

Simon George: Publications List, January 2019

Citations from Google Scholar (GS), 10/1/2018

Google Scholar statistics: Hirsch index = 33, i10-index = 67, total citations = 3005 (Hirsch index = 20 since 2013)

Scopus statistics: Hirsch index = 27, 90 papers, total citations = 1834.

Journal Impact Factors (JIF): Web of Science, Journal Citation Reports, 2016, 5-year impact factor. <https://jcr.incites.thomsonreuters.com/>

Quartile ranking indicates the impact of the journal in its discipline (e.g. Q1 = the top 25 % of journals in that subject category) <https://jcr.incites.thomsonreuters.com/>

Scimago Journal Rank Indicator (SJR), 2016: <http://www.scimagojr.com>

ResearcherID: <http://www.researcherid.com/rid/G-7134-2015>

ResearchGate: https://www.researchgate.net/profile/Simon_George7/publications

Academia: <https://mq.academia.edu/SimonGeorge>

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Names underlined were students supervised by Simon George when the paper was written.

Total peer-reviewed papers = 110, in last 5 years = 35

Summary of output

Papers in peer reviewed journals (C1 publications):	86
Chapters in book meeting A1 criteria (peer reviewed) (B1 publications).....	4
Full written conference papers, peer reviewed (E1 publications):	21
Full written papers - refereed by conference panel or editors, or published in non-refereed proceedings (E2 publications):	20
Abstracts from conferences (E3 publications):	219
Confidential reports (mainly CSIRO and APCRC):	87

C1 Accepted

Ping, H., Chen, H., Zhai, P., Zhu, J., **George, S.C.** (accepted November 2017) Petroleum charge history in the Baiyun depression and Panyu lower uplift in the Pearl River Mouth Basin, northern South China Sea: Constraints from integration of organic geochemical and fluid inclusion data. *AAPG Bulletin*,

Li Li, ZhaoJun Liu, **George, S.C.**, PingChang Sun, YinBo Xu, QingTao Meng, KeBing Wang, JunXian Wang (accepted 20/12/18) Lake evolution and its influence on the formation of oil shales in the Middle Jurassic Shimengou Formation in the Tuanyushan area, Qaidam Basin, NW China. *Geochemistry*

Papers in peer reviewed journals

90. Xu, H., **George, S.C.**, Hou, D. (2019) Algal-derived polycyclic aromatic hydrocarbons in Paleogene lacustrine sediments from the Dongying Depression, Bohai Bay Basin, China. *Marine and Petroleum Geology* **102**, 402-425.
89. Li, K., **George, S.C.**, Cai, C., Gong, S., Sestak, S., Armand, S., Zhang, X. (2019) Fluid inclusion and stable isotopic studies of thermochemical sulfate reduction: Upper Permian and Lower Triassic gasfields, northeast Sichuan Basin, China. *Geochimica et Cosmochimica Acta* **246**, 86-108.
88. Xu, H., **George, S.C.**, Hou, D. (2019) The occurrence of isorenieratane, 2 α -methylhopanes, crocetane, 24-n-propylcholestanes and 24-norcholestanes in Paleogene lacustrine source rocks from the Dongying Depression, Bohai Bay Basin: Implications for bacterial sulphate reduction, photic zone euxinia and seawater incursions. *Organic Geochemistry* **127**, 59-80. [JIF = 3.691, Q1, SJR = 1.620, 0 GS citations]
87. Ping, H., Chen, H., **George, S.C.**, Li, C., Hu, S. (2019) Relationship between the fluorescence color of oil inclusions and thermal maturity in the Dongying Depression, Bohai Bay Basin, China: Part 1. Fluorescence evolution of oil in the context of hydrous pyrolysis experiments with increasing maturity. *Marine and Petroleum Geology* **100**, 1-19. [JIF = 3.483, Q1, SJR = 1.518, 0 GS citations]
86. Ping, H., Chen, H., Zhu, J., **George, S.C.**, Mi, L., Pang, X., Zhai, P. (2018) Origin, source, mixing and thermal maturity of natural gases in the Panyu Lower Uplift and the Baiyun depression, Pearl River Mouth Basin, northern South China Sea. *AAPG Bulletin* **102**, 2171-2200. [JIF = 4.189, Q1, SJR = 1.900, 0 GS citations]
85. L  hr, S.C., Kennedy, M.J., **George, S.C.**, Williamson, R.J., Xu, H. (2018) Sediment microfabric records mass sedimentation of colonial cyanobacteria and extensive syndepositional metazoan reworking in Pliocene sapropels. *The Depositional Record* **4**, 293-317. [0 GS citations]
84. Jiang, L. and **George, S.C.** (2018) Biomarker signatures of Upper Cretaceous Latrobe Group hydrocarbon source rocks, Gippsland Basin, Australia: Distribution and palaeoenvironment significance of aliphatic hydrocarbons. *International Journal of Coal Geology* **196**, 29-42. [JIF = 5.427, Q1, SJR = 1.843, 0 GS citations]
83. Peters, C.A., **George, S.C.** (2018) Hydrocarbon biomarkers preserved in carbonate veins of potentially Paleoproterozoic age, and implications for the early biosphere. *Geobiology* **16**, 577-596. [JIF = 3.974, Q1, SJR = 1.522, 0 GS citations]
82. Peters, C.A., Hallmann, C., **George, S.C.** (2018) Phenolic compounds in oil-bearing fluid inclusions: implications for water-washing and oil migration. *Organic Geochemistry* **118**, 36-46. [JIF = 3.691, Q1, SJR = 1.620, 0 GS citations]
81. Jiang, L., **George, S.C.** and Zhang, M. (2018) The occurrence and distribution of rearranged hopanes in crude oils from the Lishu Depression, Songliao Basin. *Organic Geochemistry* **115**, 205-219. [JIF = 3.691, Q1, SJR = 1.620, 0 GS citations]
80. Errington, I., King, C.K., Houlahan, S., **George, S.C.**, Michie, A., Hose, G.C. (2018) The influence of vegetation and soil properties on springtail communities in a diesel-contaminated soil. *Science of the Total Environment* **619-620**, 1098-1104. [JIF = 5.102, Q1, SJR = 1.621, 0 GS citations]
79. Kotzakoulakis, K. and **George, S.C.** (2018) Predicting the weathering of fuel and oil spills: A diffusion-limited evaporation model. *Chemosphere* **190**, 442-453. [JIF = 4.506, Q1, SJR = 1.417, 0 GS citations]

78. Kotzakoulakis, K. and **George, S.C.** (2017) A simple and flexible correlation for predicting the viscosity of crude oils. *Journal of Petroleum Science and Engineering* **158**, 416-423. [JIF = 2.415, Q3, SJR = 0.764, 1 GS citation]
77. Marsaglia, K.M., Browne, G.H., **George, S.C.**, Kemp, D.B., Jaeger, J.M., Carson, D., Richaud, M. and IODP Expedition 317 Scientific Party (2017) The transformation of sediment into rock: insights from IODP Site U1352, Canterbury Basin, New Zealand. *Journal of Sedimentary Research* **87**, 272-287. [JIF = 2.770, Q1, SJR = 1.095, 0 GS citations]
76. Ping, H., Chen, H., Thiéry, R. and **George, S.C.** (2017) Effects of oil cracking on fluorescence color, homogenization temperature and trapping pressure reconstruction of oil inclusions from deeply buried reservoirs in the northern Dongying Depression, Bohai Bay Basin, China. *Marine and Petroleum Geology* **80**, 538-562. [JIF = 3.483, Q1, SJR = 1.518, 0 GS citations]
75. Aharonovich, S. and **George, S.C.** (2016) A possible shale gas prospect? First results of the organic composition and thermal maturity of the Carboniferous Namoi Formation, Northern NSW, Australia. *Australian Journal of Earth Sciences* **63**, 771-780. [JIF = 1.500, Q3, SJR = 0.710, 0 GS citations]
74. Kose, S.H., **George, S.C.** and Lau, I.C. (2016) Distinguishing in situ stromatolite biosignatures from silicification and dolomitisation using short wave, visible-near and thermal infrared spectroscopy: a Mars analogue study. *Vibrational Spectroscopy* **87**, 67-80. [JIF = 1.929, Q3, SJR = 0.458, 0 GS citations]
73. Peters, C.A., **George, S.C.**, Piazzolo, S., Webb, G.E. and Dutkiewicz, A. (2016) In search of early life: Carbonate veins in Archean metamorphic rocks as potential hosts of biomarkers. *Earth and Planetary Science Letters* **453**, 44-55. [JIF = 4.966, Q1, SJR = 3.171, 1 GS citation]
72. Brown, K.E., King, C.K., Kotzakoulakis, K., **George, S.C.** and Harrison, P.L. (2016) Assessing fuel spill risks in polar waters: Temporal dynamics and behaviour of hydrocarbons from Antarctic diesel, marine gas oil and residual fuel oil. *Marine Pollution Bulletin* **110**, 343-353. [JIF = 3.780, Q2, SJR = 1.302, 4 GS citations]
71. Luo, Q., **George, S.C.**, Xu, Y. and Zhong, N. (2016) Organic geochemical characteristics of the Mesoproterozoic Hongshuizhuang Formation from North China: implications for thermal maturity and biological sources. *Organic Geochemistry* **99**, 23-37. [JIF = 3.691, Q1, SJR = 1.620, 4 GS citations]
70. Li, Y., Song, Z., Cao, X.X. and **George, S.C.** (2016). Sedimentary organic matter record of Early Cretaceous environmental changes in western Liaoning Province, NE China. *Organic Geochemistry* **98**, 54-65. [JIF = 3.691, Q1, SJR = 1.620, 1 GS citation]
69. Abbassi, S., Edwards, D.S., **George, S.C.**, Volk, H., di Primio, R. and Horsfield, B. (2016) Petroleum potential and kinetic models for hydrocarbon generation from the Upper Cretaceous to Paleogene Latrobe Group coals and shales in the Gippsland Basin, Australia. *Organic Geochemistry* **91**, 54-67. [JIF = 3.691, Q1, SJR = 1.620, 6 GS citations]
68. Hoshino, Y. and **George, S.C.** (2015) Cyanobacterial inhabitation on Archean rock surfaces in the Pilbara Craton, Western Australia. *Astrobiology* **15**, 559-574. [JIF = 2.761, Q2, SJR = 0.908, 9 GS citations]
67. Blyth, A., Fuentes, D., **George, S.C.** and Volk, H. (2015) Characterisation of organic inclusions in stalagmites using laser-ablation-micropyrolysis gas chromatography-mass spectrometry. *Journal of Analytical and Applied Pyrolysis* **113**, 454-463. [JIF = 4.152, Q1, SJR = 1.353, 3 GS citations]
66. French, K.L., Hallmann, C., Hope, J.M., Schoon, P.L., Zumberge, J.A., Hoshino, Y., Peters, C.A., **George, S.C.**, Love, G.D., Brocks, J.J., Buick, R. and Summons, R.E. (2015)

- Reappraisal of hydrocarbon biomarkers in Archean rocks. *Proceedings of the National Academy of Sciences USA* **112**, 5915-5920. [JIF = 10.414, Q1, SJR = 6.321, 59 GS citations]
65. Hoshino, Y., Flannery, D.T., Walter, M.R. and **George, S.C.** (2015) Hydrocarbons preserved in a ~2.7 Ga outcrop sample from the Fortescue Group, Pilbara Craton, Western Australia. *Geobiology* **13**, 99-111. [JIF = 3.974, Q1, SJR = 1.522, 4 GS citations]
64. Abbassi, S., di Primio, R., Horsfield, B., Volk, H., Edwards, D.S., Anka, Z. and **George, S.C.** (2015) On the filling and leakage of petroleum from traps in the Laminaria High region of the northern Bonaparte Basin, Australia. *Marine and Petroleum Geology* **59**, 91-113. [JIF = 3.483, Q1, SJR = 1.518, 5 GS citations]
63. Flannery, E.N. and **George, S.C.** (2014) Assessing the syngeneity and indigeneity of hydrocarbons in the ~1.4 Ga Velkerri Formation, McArthur Basin, using slice experiments. *Organic Geochemistry* **77**, 115-125. [JIF = 3.691, Q1, SJR = 1.620, 13 GS citations]
62. Abbassi, S., Horsfield, B., **George, S.C.**, Edwards, D.S., Volk, H. and di Primio, R. (2014) Geochemical characterisation and predicted bulk chemical properties of petroleum generated from Jurassic and Cretaceous source rocks in the Vulcan Sub-basin, Bonaparte Basin, North West Shelf of Australia. *Organic Geochemistry* **76**, 82-103. [JIF = 3.691, Q1, SJR = 1.620, 4 GS citations]
61. Bray, P.S., Brocks, J.J. and **George, S.C.** (2014) ¹⁴C Analysis of aliphatic hydrocarbon fractions from the hypersaline Lake Tyrrell, southeast Australia. *Organic Geochemistry* **73**, 29-34. [JIF = 3.691, Q1, SJR = 1.620, 2 GS citations]
60. Liu, K., **George, S.C.**, Lu, X., Gong, S., Tian, H. and Gui, L. (2014) Innovative fluorescence spectroscopic techniques for rapidly characterising oil inclusions. *Organic Geochemistry* **72**, 34-45. [JIF = 3.691, Q1, SJR = 1.620, 18 GS citations]
59. Abbassi, S., **George, S.C.**, Edwards, D.S., di Primio, R., Horsfield, B. and Volk, H. (2014) Generation characteristics of Mesozoic syn- and post-rift source rocks, Bonaparte Basin, Australia: new insights from compositional kinetic modelling. *Marine and Petroleum Geology* **50**, 148-165. [JIF = 3.483, Q1, SJR = 1.518, 12 GS citations]
58. Sykes, R., Volk, H., **George, S.C.**, Ahmed, M., Higgs, K.E., Johansen, P.E. and Snowdon, L.R. (2014) Marine influence helps preserve the oil potential of coaly source rocks: Eocene Mangahewa Formation, Taranaki Basin, New Zealand. *Organic Geochemistry* **66**, 140-163. [JIF = 3.691, Q1, SJR = 1.620, 9 GS citations]
57. Willson, D., Rask, J.C., **George, S.C.**, deLeon P., Bonaccorsi, R., Blank J., Slocombe, J., Silburn, K., Steele, H., Gargarno, M. and McKay, C.P. (2014) The performance of field scientists undertaking observations of early life fossils while in simulated space suit. *Acta Astronautica* **93**, 193-206. [JIF = 1.596, Q2, SJR = 0.732, 5 GS citations]
56. Siljeström, S., Volk, H., **George, S.C.**, Lausmaa, J., Sjövall, P., Dutkiewicz, A. and Hode, T. (2013) Analysis of single oil-bearing fluid inclusions in mid-Proterozoic sandstones (Roper Group, Australia). *Geochimica et Cosmochimica Acta* **122**, 448-463. [JIF = 4.847, Q1, SJR = 2.626, 12 GS citations]
55. Coffey, J.M., Flannery, D.T., Walter, M.R. and **George, S.C.** (2013) Sedimentology, stratigraphy and geochemistry of a stromatolite biofacies in the 2.72Ga Tumbiana Formation, Fortescue Group, Western Australia. *Precambrian Research* **236**, 282-296. [JIF = 4.657, Q1, SJR = 2.749, 14 GS citations]
54. Song, Z., Yin, Q., **George, S.C.**, Wang, L., Guo, J. and Feng, Z. (2013) A biomarker study of depositional paleoenvironments and source inputs for the massive formation of Upper Cretaceous lacustrine source rocks in the Songliao Basin, China. *Palaeogeography, Palaeoclimatology, Palaeoecology* **385**, 137-151. [JIF = 2.949, Q2, SJR = 1.303, 24 GS citations]

53. Bourdet, J., Eadington, P., Volk, H., **George, S.C.**, Pironon, J. and Kempton, R. (2012) Chemical changes of fluid inclusion oil trapped during the evolution of an oil reservoir: Jabiru-1A case study (Timor Sea, Australia). *Marine and Petroleum Geology* **36**, 118-139. [JIF = 3.483, Q1, SJR = 1.518, 22 GS citations]
52. **Bray, P.S.**, Jones, C.M., Fallon, S.J., Brocks, J.J. and **George, S.C.** (2012) Radiocarbon analysis of halophilic microbial lipids from an Australian salt lake. *Quaternary Research* **77**, 104-109. [JIF = 2.500, Q3, SJR = 1.073, 6 GS citations]
51. Fulthorpe, C.S., Hoyanagi, K., Blum, P., Guèrin, G., Slagle, A.L., Blair, S.A., Browne, G.H., Carter, R.M., Ciobanu, M.-C., Claypool, G.E., Crundwell, M.P., Dinarès-Turell, J., Ding, X., **George, S.**, Hepp, D.A., Jaeger, J., Kawagata, S., Kemp, D.B., Kim, Y.-G., Kominz, M.A., Lever, H., Lipp, J.S., Marsaglia, K.M., McHugh, C.M., Murakoshi, N., Ohi, T., Pea, L., Richaud, M., Suto, I., Tanabe, S., Tinto, K.J., Uramoto, G. and Yoshimura, T. (2011) IODP Expedition 317: Exploring the record of sea-level change off New Zealand. *Scientific Drilling* **12**, 4-14. [C1 non-ISI journal, SJR = 0.634, 1 GS citation].
50. **Woolfenden, E.N.M.**, Hince, G., Powell, S.M., Stark, S.C., Snape, I., Stark, J.S. and **George, S.C.** (2011) The rate of removal and the compositional changes of diesel in Antarctic marine sediment. *Science of the Total Environment* **410-411**, 205-216. [JIF = 5.102, Q1, SJR = 1.621, 4 GS citations]
49. Wang, L., Song, Z., Yin, Q. and **George, S.C.** (2011) Paleo-salinity significance of the occurrence and distribution of methyltrimethyltridecylchromans in the Nenjiang Formation, Upper Cretaceous, Songliao Basin, China. *Organic Geochemistry* **42**, 1411-1419. [JIF = 3.691, Q1, SJR = 1.620, 21 GS citations]
48. **George, S.C.**, Volk, H., Romero-Sarmiento, M.-F., Dutkiewicz, A. and Mossman, D.J., (2010) Diisopropylnaphthalenes: Environmental contaminants of increasing importance for organic geochemists. *Organic Geochemistry* **41**, 901-904. [JIF = 3.691, Q1, SJR = 1.620, 8 GS citations]
47. Ahmed, M., Volk, H., **George, S.C.**, Faiz, M. and Stalker, S. (2009) Generation and expulsion of oils from Permian coals of the Sydney Basin, Australia. *Organic Geochemistry* **40**, 810-831. [JIF = 3.691, Q1, SJR = 1.620, 18 GS citations]
46. **George, S.C.**, Dutkiewicz, A., Volk, H., Ridley, J., Mossman, D.J. and Buick, R. (2009) Oil-bearing fluid inclusions from the Palaeoproterozoic: a review of biogeochemical results from time-capsules >2.0 billion years old. *Science in China Series D-Earth Sciences* **52**, 1-11. [JIF = 1.420, Q2, SJR = 0.696, 10 GS citations]
45. Coelho, C.E.S., **George, S.C.**, Volk, H., Eadington, P.J. and Ross, A.S. (2008) Distribution and geochemical composition of oil-bearing fluid inclusions compared to crude oil, oil shows and rock extracts in a Campos Basin well, offshore Brazil. *Revista Brasileira de Geociências* **38** (1 - Suplemento), 19-38. [JIF = 0.797, Q4, SJR = 0.415, 1 GS citation]
44. Mossman, D.J., Minter, W.E.L., Dutkiewicz, A., Hallbauer, D.K., **George, S.C.**, Hennigh, Q., Reimer, T.O. and Horscroft, F.D. (2008) The indigenous origin of Witwatersrand "carbon". *Precambrian Research* **164**, 173-186. [JIF = 4.657, Q1, SJR = 2.749, 38 GS citations]
43. McIntyre, C.P., Volk, H., Batts, B.D. and **George, S.C.** (2008) The suitability of the fuel used for motor-sledging on Scott's last expedition, 1910-1913. *Polar Record* **44**, 276-277. [JIF = 0.946, Q4, SJR = 0.406, 2 GS citations]
42. **George, S.C.**, Volk, H., Dutkiewicz, A., Ridley, J. and Buick, R. (2008) Preservation of hydrocarbons and biomarkers in oil trapped inside fluid inclusions for >2 billion years. *Geochimica et Cosmochimica Acta* **72**, 844-870. [JIF = 4.847, Q1, SJR = 2.626, 71 GS citations]

41. McIntyre, C., Harvey, P.McA., Ferguson, S.H., Wressnig, A.M., Snape, I. and **George, S.C.** (2007) Determining the extent of weathering of spilled fuel in contaminated soils using the diastereomers of pristane and phytane. *Organic Geochemistry* **38**, 2131-2134. [JIF = 3.691, Q1, SJR = 1.620, 11 GS citations]
40. Jacob, J., Paris, F., Monod, O., Miller, M.A. Tang, P., **George, S.C.** and Bény, J.M. (2007) New insights into the chemical composition of Chitinozoans. *Organic Geochemistry* **38**, 1782-1788. [JIF = 3.691, Q1, SJR = 1.620, 29 GS citations]
39. Dutkiewicz, A., Mossman, D.J., Ridley, J., **George, S.C.** and Volk, H. (2007) Oil and its biomarkers associated with the Paleoproterozoic Oklo natural fission reactors, Gabon. *Chemical Geology* **244**, 130-154. [JIF = 4.038, Q1, SJR = 1.810, 38 GS citations]
38. Gong, S., **George, S.C.**, Volk, H., Liu, K. and Peng, P. (2007) Petroleum charge history in the Lunnan Low Uplift, Tarim Basin, China – Evidence from oil-bearing fluid inclusions. *Organic Geochemistry* **38**, 1341-1355. [JIF = 3.691, Q1, SJR = 1.620, 43 GS citations]
37. McIntyre, C., Harvey, P.McA., Ferguson, S.H., Wressnig, A.M., Volk, H., **George, S.C.** and Snape, I. (2007) Determining the extent of biodegradation of fuels using the diastereomers of acyclic isoprenoids. *Environmental Science & Technology* **41**, 2452-2458. [JIF = 6.960, Q1, SJR = 2.538, 21 GS citations]
36. **George, S.C.**, Volk, H., Ahmed, M., Pickel, W. and Allan, T. (2007b) Biomarker evidence for two sources for solid bitumens in the Subu wells and implications for the petroleum prospectivity of the East Papuan Basin. *Organic Geochemistry* **38**, 609-642. [JIF = 3.691, Q1, SJR = 1.620, 18 GS citations]
35. **George, S.C.**, Volk, H. and Ahmed, M. (2007a) Geochemical analysis techniques and geological applications of oil-bearing fluid inclusions, with some Australian case studies. *Journal of Petroleum Science and Engineering* **57**, 119-138. [JIF = 2.415, Q3, SJR = 0.764, 64 GS citations]
34. Dutkiewicz, A., Volk, H., **George, S.C.**, Ridley, J. and Buick, R. (2006) Biomarkers from Huronian oil-bearing fluid inclusions: An uncontaminated record of life before the Great Oxidation Event. *Geology* **34**, 437-440. [JIF = 5.047, Q1, SJR = 3.112, 100 GS citations]
33. Volk, H., **George, S.C.**, Dutkiewicz, A. and Ridley, J. (2005) Characterisation of fluid inclusion oil in a Mid-Proterozoic sandstone and dolerite (Roper Superbasin, Australia). *Chemical Geology* **223**, 109-135. [JIF = 4.038, Q1, SJR = 1.810, 26 GS citations]
32. Volk, H., McIntyre, C., Batts, B.D. and **George, S.C.** (2005) Composition and origin of fuel from the hut of explorer Robert Falcon Scott, Cape Evans, Antarctica. *Organic Geochemistry* **36**, 655-661. [JIF = 3.691, Q1, SJR = 1.620, 2 GS citations]
31. Volk, H., **George, S.C.**, Middleton, H., Schofield, S. (2005) Geochemical comparison of fluid inclusion and reservoir oils in the Papuan Foreland - evidence for previously unrecognised petroleum source rocks. *Organic Geochemistry* **36**, 29-51. [JIF = 3.691, Q1, SJR = 1.620, 90 GS citations]
30. **George, S.C.**, Ahmed, M., Liu, K. and Volk, H. (2004) The analysis of oil trapped in the process of secondary migration. *Organic Geochemistry* **35**, 1489-1511. [JIF = 3.691, Q1, SJR = 1.620, 70 GS citations]
29. **George, S.C.**, Volk, H. and Ahmed, M. (2004) Oil-bearing fluid inclusions: geochemical analysis and geological applications. *Acta Petrologica Sinica* **20**, 1319-1332. [JIF = 1.444, Q2, SJR = 0.542, 12 GS citations]
28. **George, S.C.**, Lisk, M. and Eadington, P.J. (2004) Fluid inclusion evidence for an early, marine-sourced oil charge prior to gas-condensate migration, Bayu-1, Timor Sea, Australia. *Marine and Petroleum Geology* **21**, 1107-1128. [JIF = 3.483, Q1, SJR = 1.518, 62 GS citations]

27. Dutkiewicz, A., Volk, H., Ridley, J. and **George, S.C.** (2004) Geochemistry of oil in fluid inclusions in a Middle Proterozoic igneous intrusion: implications for the source of hydrocarbons in crystalline rocks. *Organic Geochemistry* **35**, 937-957. [JIF = 3.691, Q1, SJR = 1.620, 65 GS citations]
26. Ahmed, M. and **George, S.C.** (2004) Changes in the molecular composition of crude oils during their preparation for GC and GC-MS analyses. *Organic Geochemistry* **35**, 137-155. [JIF = 3.691, Q1, SJR = 1.620, 48 GS citations]
25. Dutkiewicz, A., Volk, H., Ridley, J. and **George, S.** (2003) Biomarkers, brines and oil in the Mesoproterozoic, Roper Superbasin, Australia. *Geology* **31**, 981-984. [JIF = 5.047, Q1, SJR = 3.112, 52 GS citations]
24. Volk, H., Dutkiewicz, A., **George, S.** and Ridley, J. (2003) Oil migration in the Middle Proterozoic Roper Superbasin, Australia: Evidence from fluid inclusions and their geochemistries. *Journal of Geochemical Exploration* **78-79**, 437-441. [JIF = 3.024, Q2, SJR = 1.047, 29 GS citations]
23. **George, S.C.**, Boreham, C.J., Minifie, S.A. and Teerman, S.C. (2002) The effect of minor to moderate biodegradation on C₅ to C₉ hydrocarbons in crude oils. *Organic Geochemistry* **33**, 1293-1317. [JIF = 3.691, Q1, SJR = 1.620, 125 GS citations]
22. Wilkins, R.W.T. and **George, S.C.** (2002) Coal as a source rock for oil: A review. *International Journal of Coal Geology* **50**, 317-361. [JIF = 5.427, Q1, SJR = 1.843, 164 GS citations]
21. **George, S.C.**, Ruble, T.E., Dutkiewicz, A. and Eadington, P.J. (2002) Reply to comment by Oxtoby on "Assessing the maturity of oil trapped in fluid inclusions using molecular geochemistry data and visually-determined fluorescence colours". *Applied Geochemistry* **17**, 1375-1378. [JIF = 2.671, Q2, SJR = 1.019, 18 GS citations]
20. Greenwood, P.F., **George, S.C.**, Pickel, W., Zhu, Y. and Zhong, N. (2001) In situ analytical pyrolysis of coal macerals and solid bitumens by laser micro-pyrolysis GC-MS. *Journal of Analytical and Applied Pyrolysis*, **58-59**, 237-253. [JIF = 4.152, Q1, SJR = 1.353, 17 GS citations]
19. **George, S.C.**, Ruble, T.E., Dutkiewicz, A. and Eadington, P.J. (2001) Assessing the maturity of oil trapped in fluid inclusions using molecular geochemistry data and visually-determined fluorescence colours. *Applied Geochemistry* **16**, 451-473. [JIF = 2.671, Q2, SJR = 1.019, 109 GS citations]
18. Greenwood, P.F., Al-Aroui, K. and **George, S.C.** (2000) Tricyclic terpenoid composition of Tasmanites kerogen as determined by pyrolysis GC-MS. *Geochimica et Cosmochimica Acta* **64**, 1249-1263. [JIF = 4.847, Q1, SJR = 2.626, 52 GS citations]
17. Ahmed, M., Smith, J.W. and **George, S.C.** (1999) Effects of biodegradation on Australian Permian coals. *Organic Geochemistry* **30**, 1311-1322. [JIF = 3.691, Q1, SJR = 1.620, 62 GS citations]
16. Greenwood, P.F. and **George, S.C.** (1999) Mass spectral characteristics of C₁₉ and C₂₀ tricyclic terpanes detected in Latrobe Tasmanite oil shale. *European Journal of Mass Spectrometry* **5**, 221-230. [JIF = 1.025, Q4, SJR = 0.508, 7 GS citations]
15. **George, S.C.**, Eadington, P.J., Lisk, M. and Quezada, R.A. (1998) Geochemical comparison of oil trapped in fluid inclusions and reservoir oil in Blackback oilfield, Gippsland Basin, Australia. *Petroleum Exploration Society of Australia Journal* **26**, 64-81. [C1, non-ISI and non-SJR journal, 30 GS citations]
14. Pang, L.S.K., **George, S.C.** and Quezada, R.A. (1998) A study of the gross composition of oil-bearing fluid inclusions using high performance liquid chromatography. *Organic Geochemistry* **29**, 1149-1161. [JIF = 3.691, Q1, SJR = 1.620, 38 GS citations]

13. Greenwood, P.F., **George, S.C.** and Hall, K. (1998) Applications of laser micropyrolysis–gas chromatography–mass spectrometry. *Organic Geochemistry* **29**, 1075-1089. [JIF = 3.691, Q1, SJR = 1.620, 61 GS citations]
12. **George, S.C.**, Lisk, M., Summons, R.E. and Quezada, R.A. (1998) Constraining the oil charge history of the South Pepper oilfield from the analysis of oil-bearing fluid inclusions. *Organic Geochemistry* **29**, 631-648. [JIF = 3.691, Q1, SJR = 1.620, 123 GS citations]
11. Ruble, T.E., **George, S.C.**, Lisk, M. and Quezada, R.A. (1998) Organic compounds trapped in aqueous fluid inclusions. *Organic Geochemistry* **29**, 195-205. [JIF = 3.691, Q1, SJR = 1.620, 39 GS citations]
10. Warren, J.K., **George, S.C.**, Hamilton, P.J. and Tingate, P. (1998) Proterozoic source rocks: Sedimentology and organic characteristics of the Velkerri Formation, Northern Territory, Australia. *AAPG Bulletin* **82**, 442-463. [JIF = 4.189, Q1, SJR = 1.900, 36 GS citations]
9. **George, S.C.**, Krieger, F.W., Eadington, P.J., Quezada, R.A., Greenwood, P.F., Eisenberg, L.I., Hamilton, P.J. and Wilson, M.A. (1997) Geochemical comparison of oil-bearing fluid inclusions and produced oil from the Toro sandstone, Papua New Guinea. *Organic Geochemistry* **26**, 155-173. [JIF = 3.691, Q1, SJR = 1.620, 143 GS citations]
8. **George, S.C.**, Lisk, M., Eadington, P. J., Krieger, F.W., Quezada, R.A., Greenwood, P.F. and Wilson, M.A. (1997) Fluid inclusion record of early oil preserved at Jabiru Field, Vulcan Sub-basin. *Exploration Geophysics* **28**, 66-71. [JIF = 0.879, Q3, SJR = 0.596, 10 GS citations]
7. Greenwood, P.F., **George, S.C.**, Wilson, M.A. and Hall, K.J. (1996) A new apparatus for laser micropyrolysis gas chromatography mass spectrometry. *Journal of Analytical and Applied Pyrolysis* **38**, 101-118. [JIF = 4.152, Q1, SJR = 1.353, 40 GS citations]
6. Casareo, F.E., **George, S.C.**, Batts, B.D. and Conaghan, P.J. (1996) The effects of varying tissue preservation on the aliphatic hydrocarbons within a high-volatile bituminous coal. *Organic Geochemistry* **24**, 785-800. [JIF = 3.691, Q1, SJR = 1.620, 13 GS citations]
5. Smith, J.W., **George, S.C.** and Batts, B.D. (1995) The geosynthesis of alkylaromatics. *Organic Geochemistry* **23**, 71-80. [JIF = 3.691, Q1, SJR = 1.620, 41 GS citations]
4. **George, S.C.** and Jardine, D.R. (1994) Ketones in a Proterozoic dolerite sill. *Organic Geochemistry* **21**, 829-839. [JIF = 3.691, Q1, SJR = 1.620, 44 GS citations]
3. **George, S.C.**, Llorca, S.M. and Hamilton, P.J. (1994) An integrated analytical approach for determining the origin of solid bitumens in the McArthur Basin, northern Australia. *Organic Geochemistry* **21**, 235-248. [JIF = 3.691, Q1, SJR = 1.620, 34 GS citations]
2. **George, S.C.** (1993) Black sandstones in the Midland Valley of Scotland: thermally metamorphosed hydrocarbon reservoirs? *Transactions of the Royal Society of Edinburgh: Earth Science* **84**, 61-72. [JIF = 1.758, Q4, SJR = 0.408, 11 GS citations]
1. **George, S.C.** (1992) Effect of igneous intrusion on the organic geochemistry of a siltstone and an oil shale horizon in the Midland Valley of Scotland. *Organic Geochemistry* **18**, 705-723. [JIF = 3.691, Q1, SJR = 1.620, 79 GS citations]

B1: Chapters in book meeting A1 criteria (peer reviewed)

4. **George, S.C.**, Aharonovich, S., Browne, G.H., Lipp, J.S. (2017). Sediments, rocks and chemical fossils in the Canterbury Basin, New Zealand: IODP Expedition 317. In: *Exploring the Earth Under the Sea: Australian and New Zealand achievements in the first phase of IODP Scientific Ocean Drilling, 2008–2013* (editor Exon, N.), Australian National University Press, Canberra, pp. 86-93. [0 GS citations]
3. **George, S.C.**, Volk, H. and Dutkiewicz, A. (2012) Mass Spectrometry Techniques for Analysis of Oil and Gas Trapped in Fluid Inclusions. In: *Mass Spectrometry Handbook* (Edited by Lee, M.S.), John Wiley & Sons, Hoboken, New Jersey, pp. 647-673. [4 GS citations]
2. Ahmed, M., Barclay, S.A., **George, S.C.**, McDonald, B. and Smith, J.W. (2004) The distribution and isotopic composition of sulfur in solid bitumens from Papua New Guinea. In: *Geochemical Investigation in Earth and Space Science, A Tribute to Isaac R. Kaplan* (edited by R. J. Hill, J. Leventhal, Z. Aizenshtat, M. J. Baedeker, G. Claypool, R. Eganhouse, M. Goldhaber, and K. Peters). The Geochemical Society Special Publication No. 9, Elsevier, pp. 51-58. [7 GS citations]
1. Wold, M.B., Choi, S.K., **George, S.C.**, Wood, J.H. and Williams, D.J. (1999) Coal mining beneath a gorge; induced fracturing and the release of reservoir gases. In *Proceedings of the Ninth International Congress on Rock Mechanics, Paris, France*. eds G. Vouille and P. Berest, volume 1, pp. 339-342. Balkema, Rotterdam. [5 GS citations]

E1: Full written conference papers, peer reviewed

21. Clarke, J.D.A., Cooper, M., **George, S.**, Hobbs, S., Houlahan, S., Murphy, G.M., Silburn, K., Sprigg, D., Sprigg, M. and Waldie, J. (2015) Evaluating the performance of field science in an analogue EVA suit: stromatolite identification by geologists and non-geologists. In: *Proceedings from 15th Australian Space Research Conference*, Canberra, pp. 159-172. <http://www.nssa.com.au/web-resources/downloads.html>. [1 GS citation]
20. Volk, H., **George, S.C.**, Kempton, R.H., Liu, K., Ahmed, M. and Ambrose, G.J. (2007) Petroleum migration in the Georgina Basin: Evidence from the geochemistry of oil inclusions and bitumens. In: *Proceedings of the Central Australian Basins Symposium (CABS), Alice Springs, Northern Territory, 16–18 August, 2005*, (eds. T.J. Munson and G.J. Ambrose), Northern Territory Geological Survey, Special Publication 2, pp. 282-303. [4 GS citations]
19. Dutkiewicz, A., Volk, H., Ridley, J. and **George, S.C.** (2007) Precambrian inclusion oils in the Roper Group: A review. In: *Proceedings of the Central Australian Basins Symposium (CABS), Alice Springs, Northern Territory, 16–18 August, 2005*, (eds. T.J. Munson and G.J. Ambrose), Northern Territory Geological Survey, Special Publication 2, pp. 326-348. [4 GS citations]
18. **George, S.C.**, Volk, H., Ahmed, M., Middleton, H., Allan, T. and Holland, D. (2004) Novel petroleum systems in Papua New Guinea indicated by terpane and methylhopane distributions. In: Boulton, P.J., Johns, D.R. and Lang, S.C. (Eds), *Eastern Australasian Basins Symposium II, Adelaide, 19–22 September*, Petroleum Exploration Society of Australia, Special Publication, pp. 575-588. [4 GS citations]
17. Liu, K., Eadington, P.J., Kennard, J.M., Middleton, H.A., **George, S.C.**, Ahmed, M. and Cope, P. (2004) Oil migration in the Vulcan Sub-basin, Timor Sea, investigated using GOI and FIS Data. In: *Timor Sea Petroleum Geoscience, Proceedings Of The Timor Sea Symposium, Darwin, Northern Territory, 19-20 June 2003* (eds G. K. Ellis, P. W. Baillie and

- T. J. Munson), Northern Territory Geological Survey, Special Publication 1, pp. 333-351. [13 GS citations]
16. **George, S.C.**, Ruble, T.E., Volk, H., Lisk, M., Brincat, M.P., Dutkiewicz, A. and Ahmed, M. (2004) Comparing the geochemical composition of fluid inclusion and crude oils from wells on the Laminaria High, Timor Sea. In: *Timor Sea Petroleum Geoscience, Proceedings Of The Timor Sea Symposium, Darwin, Northern Territory, 19-20 June 2003* (eds G. K. Ellis, P. W. Baillie and T. J. Munson), Northern Territory Geological Survey, Special Publication 1, pp. 203-230. [18 GS citations]
 15. Volk, H., Boreham, C., Kempton, R.H. and **George, S.C.** (2004) Geochemical and compound specific carbon isotopic characterisation of fluid inclusion oils from the offshore Perth Basin (Western Australia): implications for recognising effective oil source rocks. *The Australian Petroleum Production and Exploration Association Journal* **44(1)**, 223-239. [24 GS citations]
 14. **George, S.C.** and Ahmed, M. (2002) Use of aromatic compound distributions to evaluate organic maturity of the Proterozoic middle Velkerri Formation, McArthur Basin, Australia. In *The Sedimentary Basins of Western Australia 3*, eds Keep, M. and Moss, S. J., pp. 253-270. Proceedings of the Petroleum Exploration Society of Australia Symposium, Perth, WA, 2002. [33 GS citations]
 13. **George, S.C.**, Lisk, M., Eadington, P.J., and Quezada, R.A. (2002) Evidence for an early, marine-sourced oil charge prior to gas-condensate migration, Bayu-1, Timor Sea. In *The Sedimentary Basins of Western Australia 3*, eds Keep, M. and Moss, S. J., pp. 465-474. Proceedings of the Petroleum Exploration Society of Australia Symposium, Perth, WA, 2002. [6 GS citations]
 12. Volk, H., **George, S.C.**, Killops, S.D., Lisk, M., Ahmed, M. and Quezada, R.A. (2002) The use of fluid inclusion oils to reconstruct the charge history of petroleum reservoirs – an example from the Taranaki Basin. *2002 New Zealand Petroleum Conference Proceedings*, pp. 221-233. [9 GS citations]
 11. **George, S.C.**, Volk, H., Ruble, T.E. and Brincat, M.P. (2002) Evidence for a new oil family in the Nancarrow Trough area, Timor Sea. *Australian Petroleum Production and Exploration Association Journal* **42(1)**, 387-404. [12 GS citations]
 10. Volk, H., **George, S.C.**, Lisk, M., Killops, S. D., Ahmed, M. and Quezada, R. A. (2001) Charge histories of petroleum reservoirs in the Gippsland and Taranaki Basins – Evidence from the analysis of oil inclusions and crude oils. In: Hill, K.C. and Bernecker, T. (Eds), *Eastern Australasian Basins Symposium, A Refocused Energy Perspective for the Future*, Petroleum Exploration Society of Australia, Special Publication, pp. 413-422 (with 1 page appendix on CD). [7 GS citations]
 9. Brincat, M. P., O'Brien, G. W., Lisk, M., DeRuig, M. and **George, S.C.** (2001) Hydrocarbon charge history of the northern Londonderry High: Implications for trap integrity and future prospectivity. *Australian Petroleum Production and Exploration Association Journal* **41(1)**, 483-496. [10 GS citations]
 8. **George, S.C.**, Ruble, T.E. and Dutkiewicz, A. (2001) The use and abuse of fluorescence colours as maturity indicators of oil in inclusions from Australasian petroleum systems. *Australian Petroleum Production and Exploration Association Journal* **41(1)**, 505-522. [5 GS citations]
 7. Summons, R.E., Bradshaw, M., Crowley, J., Edwards, D.S., **George, S.C.** and Zumberge, J. E. (1998) Vagrant oils: geochemical signposts to unrecognised petroleum systems. In *The Sedimentary Basins of Western Australia 2*, eds P.G. Purcell and R.R. Purcell, pp. 169-184. Proceedings of Petroleum Exploration Society of Australia Symposium, Perth, WA. [26 GS citations]

6. **George, S.C.**, Lisk, M., Eadington, P.J. and Quezada, R.A. (1998a) Geochemistry of a palaeo-oil column: Octavius 2, Vulcan Sub-basin. In *The Sedimentary Basins of Western Australia 2*, eds P.G. Purcell and R.R. Purcell, pp. 195-210. Proceedings of Petroleum Exploration Society of Australia Symposium, Perth, WA. [25 GS citations]
5. **George, S.C.**, Greenwood, P.F., Logan, G.A., Quezada, R.A., Pang, L.S.K., Lisk, M., Krieger, F.W. and Eadington, P.J. (1997b) Comparison of palaeo oil charges with currently reservoired hydrocarbons using molecular and isotopic analyses of oil-bearing fluid inclusions: Jabiru oil field, Timor Sea. *Australian Petroleum Production and Exploration Association Journal* **37(1)**, 490-504. [52 GS citations]
4. **George, S.C.**, Lisk, M., Eadington, P.J., Quezada, R. A., Krieger, F.W., Greenwood, P.F. and Wilson, M.A. (1996) Comparison of palaeo oil charges with currently reservoired hydrocarbons using the geochemistry of oil-bearing fluid inclusions. *SPE paper 36980*, Society of Petroleum Engineers, Asia Pacific Oil and Gas Conference, 28–31 October 1996 Adelaide, Australia, pp. 159-171. [28 GS citations]
3. Lisk, M., **George, S.C.**, Summons, R.E., Quezada, R.A. and O'Brien, G.W. (1996) Mapping hydrocarbon charge histories: detailed characterisation of the South Pepper oil field, Carnarvon Basin. *Australian Petroleum Production and Exploration Association Journal* **36(1)**, 445-464. [42 GS citations]
2. **George, S.C.**, Smith, J.W. and Jardine, D.R. (1994) Vitrinite reflectance suppression in coal due to a marine transgression: case study of the organic geochemistry of the Greta Seam, Sydney Basin. *Australian Petroleum Exploration Association Journal* **34(1)**, 241-255. [41 GS citations]
1. Smith, J.W., **George, S.C.** and Batts, B.D. (1994) Pyrolysis of aromatic compounds as a guide to synthetic reactions in sediments. *Australian Petroleum Exploration Association Journal* **34(1)**, 231-240. [8 GS citations]

E2: Full written papers - refereed by conference panel or editors, or published in non-refereed proceedings

20. **George, S.C.** (2016) Applications of oil-bearing fluid inclusions in petroleum exploration, and advances in the techniques for their analysis. *Asian Current Research On Fluid Inclusions (ACROFI-VI)*, Indian Institute of Technology Bombay, 25th to 27th November, 2016, Extended Abstracts Volume (Editors: Pandalai, H. S. and Jadhav, G. N.), pp. 10-13. Invited keynote/plenary oral presentation. [0 GS citations]
19. Flannery, D.T., Hoshino, Y., **George, S.C.** and Walter, M.R. (2012) Field observations relating to the c. 2740 Ma Mopoke Member, Kylenea Formation, Fortescue Group, Pilbara region, Western Australia. *Geological Survey of Western Australia*, Record 2012/8, pp. 1-12, ISBN 178-1-74168-446-9. [3 GS citations]
18. **George, S.C.** and Dutkiewicz, A. (2012) Chemical fossils. Marking the origins of life. *Chemistry in Australia*, May 2012, pp. 16-19. [0 GS citations]
17. **Expedition 317 Scientists** (2011). Expedition 317 summary. In: Fulthorpe, C.S., Hoyanagi, K., Blum, P. and the **Expedition 317 Scientists** (2011) Proceedings of the Integrated Ocean Drilling Program, **317**: Tokyo (Integrated Ocean Drilling Program Management International, Inc.), 86 pp. doi:10.2204/iodp.proc.317.101.2011. [0 GS citations]
16. **Expedition 317 Scientists** (2011). Methods. In: Fulthorpe, C.S., Hoyanagi, K., Blum, P. and the **Expedition 317 Scientists** (2011) Proceedings of the Integrated Ocean Drilling Program, **317**: Tokyo (Integrated Ocean Drilling Program Management International, Inc.), 68 pp. doi:10.2204/iodp.proc.317.102.2011. [0 GS citations]

15. **Expedition 317 Scientists** (2011). Site U1351. In: Fulthorpe, C.S., Hoyanagi, K., Blum, P. and the **Expedition 317 Scientists** (2011) Proceedings of the Integrated Ocean Drilling Program, **317**: Tokyo (Integrated Ocean Drilling Program Management International, Inc.), 128 pp. doi:10.2204/iodp.proc.317.103.2011. [0 GS citations]
14. **Expedition 317 Scientists** (2011). Site U1352. In: Fulthorpe, C.S., Hoyanagi, K., Blum, P. and the **Expedition 317 Scientists** (2011) Proceedings of the Integrated Ocean Drilling Program, **317**: Tokyo (Integrated Ocean Drilling Program Management International, Inc.), 171 pp. doi:10.2204/iodp.proc.317.104.2011. [0 GS citations]
13. **Expedition 317 Scientists** (2011). Site U1353. In: Fulthorpe, C.S., Hoyanagi, K., Blum, P. and the **Expedition 317 Scientists** (2011) Proceedings of the Integrated Ocean Drilling Program, **317**: Tokyo (Integrated Ocean Drilling Program Management International, Inc.), 103 pp. doi:10.2204/iodp.proc.317.105.2011. [0 GS citations]
12. **Expedition 317 Scientists** (2011). Site U1354. In: Fulthorpe, C.S., Hoyanagi, K., Blum, P. and the **Expedition 317 Scientists** (2011) Proceedings of the Integrated Ocean Drilling Program, **317**: Tokyo (Integrated Ocean Drilling Program Management International, Inc.), 84 pp. doi:10.2204/iodp.proc.317.106.2011. [0 GS citations]
11. **Expedition 317 Scientists** (2010) Canterbury Basin Sea Level: Global and local controls on continental margin stratigraphy. *Integrated Ocean Drilling Program Preliminary Report, 317*. doi:10.2204/iodp.pr.317.2010. [0 GS citations]
10. Volk, H., **George, S.C.** and Sykes, R. (2008) Influence of depositional environment and early diagenesis on molecular maturity parameters of coals – an example from the Taranaki Basin. In: Blevin, J.E., Bradshaw, B.E. and Uruski, C. (Eds), *Eastern Australasian Basins Symposium III*, Sydney 14–17 September, 2008, Petroleum Exploration Society of Australia, Special Publication, pp. 215-217. [0 GS citations]
9. Ahmed, M., Volk, H., **George, S.C.** and Faiz, M. (2006) Organic geochemical characteristics of Late Permian coals from the southern Sydney Basin, Australia. In: *Proceedings of the 36th Sydney Basin Symposium on "Advances in the Study of the Sydney Basin"* (eds. Hutton, A. and Griffin, J.), 27-29 November, 2006, University of Wollongong, NSW 2522, Australia, pp. 149-156. [0 GS citations]
8. Volk, H., Dutkiewicz, A., Ridley, J. and **George, S.C.** (2006) It's life but not as we know it. *Australasian Science* **27**, 14-16 (March 2006). [0 GS citations]
7. **George, S.C.** and Ahmed, M. (2000) Organic maturity evaluation of the Proterozoic middle Velkerri Formation, Northern Territory, Australia: Use of aromatic hydrocarbon distributions. *AAPG International Conference and Exhibition*, Bali, October 15-18, 2000. *Am. Assoc. Pet. Geol. Bull.*, **84**, 1429 (short abstract). Also extended abstract on CD (7 pages). [3 GS citations]
6. **George, S.C.**, Pallasser, R.J., Quezada, R.A., Wold, M.B., Williams, D.J. and Wood, J. (2000) Geochemical correlation of gas emissions in the Cataract River gorge, Australia. *AAPG International Conference and Exhibition*, Bali, October 15-18, 2000. *Am. Assoc. Pet. Geol. Bull.*, **84**, 1430 (short abstract). Also extended abstract on CD (6 pages). [0 GS citations]
5. Casareo, F.E., Batts, B.D., Conaghan, P.J., **George, S.C.** and Jardine, D.R. (1995) Implications of variations in petrography on the aliphatic hydrocarbon composition within the Barrett Coal Member, Upper Permian Wittingham Coal Measures, northern Sydney basin, New South Wales (NSW), Australia. In *Coal Science and Technology V24, Coal Science*, Proceedings of the Eight International Conference on Coal Science, Oviedo, Spain, 1-15th September, eds J.A. Pajares and J.M.D. Tascon, 279-282. Elsevier, Amsterdam. [0 GS citations]
4. **George, S.C.** and Smith, J.W. (1995) The influence of depositional environment on the methylphenanthrene index. In *Coal Science and Technology V24, Coal Science*, Proceedings

of the Eight International Conference on Coal Science, Oviedo, Spain, 1-15th September, eds J.A. Pajares and J.M.D. Tascon, 287-290. Elsevier, Amsterdam. [3 GS citations]

3. Zhu, Z., Gu, Y., **George, S.C.**, Wilson, M.A., Huggins, F.E and Huffman, G.P. (1995) A study of sulphur and nitrogen compounds in two high sulphur coals. In *Coal Science and Technology V24, Coal Science*, Proceedings of the Eight International Conference on Coal Science, Oviedo, Spain, 1-15th September, eds J.A. Pajares and J.M.D. Tascon, 1681-1684. Elsevier, Amsterdam. [4 GS citations]
2. Casareo, F.E., Batts, B.D., Conaghan, P.J., **George, S.C.** and Jardine, D.R. (1995) Petrography and aliphatic hydrocarbon composition of the Barrett Coal Member, Upper Permian, northern Sydney basin, NSW. In: Proceedings of the 29th Newcastle Symposium, "Advances in the Study of the Sydney Basin" (Edited by Boyd, R.L. and Mackenzie, G. A.), pp. 102-110. University of Newcastle, NSW, Australia, April 6th-9th 1995. [2 GS citations]
1. Hamilton, P.J., Eadington, P.J., **George, S.C.**, Rigby, D. , Smyth, M., Whitford, D.J., Wilkins, R.W.T., and Wilmhurst, J.R. (1992). CSIRO Australia: Research and development for the exploration industry. *Offshore South East Asia 9th Conference and Exhibition*, Singapore, 1-4 December 1992. OSEA 92203, pp. 699-706. [0 GS citations]

E3: Abstracts from conferences and miscellaneous articles

228. Li, Z., **George, S.C.**, Huang, H., Xu, Z. (2018) Paleozoic oil-source correlation in the Tarim Basin. In: *20th Australian Organic Geochemistry Conference Program and Abstracts*, 3–7 December 2018, Australian National University, Canberra (eds. Edwards, D.S., Grosjean, E., Brocks, J.J. and van Maldegem, L.), p. 111-112. Record 2018/44. Geoscience Australia. Poster.
227. Jiang, L. and **George, S.C.** (2018) Comparison of the geochemistry of Upper Cretaceous and Palaeogene hydrocarbon source rocks from the Latrobe Group, Gippsland Basin. In: *20th Australian Organic Geochemistry Conference Program and Abstracts*, 3–7 December 2018, Australian National University, Canberra (eds. Edwards, D.S., Grosjean, E., Brocks, J.J. and van Maldegem, L.), p. 105-106. Record 2018/44. Geoscience Australia. Poster.
226. Teece, B.L., **George, S.C.**, Djokic, T., Campbell, K.A., Ruff, S.W. and Van Kranendonk, M.J. (2018) Hydrocarbons and hot springs; looking at analogues in the quest for life on Mars. In: *20th Australian Organic Geochemistry Conference Program and Abstracts*, 3–7 December 2018, Australian National University, Canberra (eds. Edwards, D.S., Grosjean, E., Brocks, J.J. and van Maldegem, L.), p. 87-88. Record 2018/44. Geoscience Australia. Oral.
225. **George, S.C.**, Baydjanova, S., Campbell, B.C., Manda, B. (2018) Thermal maturity variations and unusual biomarker distributions in Permian outcrop and core samples from the southern Sydney Basin. In: *20th Australian Organic Geochemistry Conference Program and Abstracts*, 3–7 December 2018, Australian National University, Canberra (eds.

- Edwards, D.S., Grosjean, E., Brocks, J.J. and van Maldegem, L.), p. 61-63. Record 2018/44. Geoscience Australia. Oral.
224. Eze, M., **George, S.C.** (2018) Effect of ethanol on the vertical migration of diesel fuel: implications for phytoremediation. In: *20th Australian Organic Geochemistry Conference Program and Abstracts*, 3–7 December 2018, Australian National University, Canberra (eds. Edwards, D.S., Grosjean, E., Brocks, J.J. and van Maldegem, L.), p. 55-56. Record 2018/44. Geoscience Australia. Oral.
223. Ding, W., Hou, D., **George, S.C.** (2018) Genetic typing of natural gases and condensates in the Songnan-Baodao Sag, Qiongdongnan Basin, South China Sea. In: *20th Australian Organic Geochemistry Conference Program and Abstracts*, 3–7 December 2018, Australian National University, Canberra (eds. Edwards, D.S., Grosjean, E., Brocks, J.J. and van Maldegem, L.), p. 50-52. Record 2018/44. Geoscience Australia. Poster.
222. Campbell, B., Gong, S., **George, S.C.**, Midgley, D. (2018) Geochemical characteristics of coal seam biodegradation. In: *20th Australian Organic Geochemistry Conference Program and Abstracts*, 3–7 December 2018, Australian National University, Canberra (eds. Edwards, D.S., Grosjean, E., Brocks, J.J. and van Maldegem, L.), p. 44-45. Record 2018/44. Geoscience Australia. Oral.
221. Ai, J., Zhong, N., **George, S.C.**, Wang, T., Zhang, Y. (2018) Tracing the redox evolution of the palaeo-ocean through the Late Neoproterozoic in South China: insights from trace elemental proxies. In: *20th Australian Organic Geochemistry Conference Program and Abstracts*, 3–7 December 2018, Australian National University, Canberra (eds. Edwards, D.S., Grosjean, E., Brocks, J.J. and van Maldegem, L.), p. 36-38. Record 2018/44. Geoscience Australia. Oral.
220. Teece, B., **George, S.C.** and Brock, G.A. (2018) Lower-Middle Cambrian microbialites from South Australia: architecture, ecology & biogeochemistry. In: *International Conference on Ediacaran and Cambrian Sciences, Joint Meeting of Ediacaran and Cambrian Subcommissions*, Xian, China, 11–21 August, 2018, oral.
219. Jiang, L. and **George, S.C.** (2018) Biomarker signatures of Upper Cretaceous to Paleogene hydrocarbon source rocks from the Latrobe Group, Gippsland Basin. In: *1st Australasian Exploration Geoscience Conference*, Sydney, Australia, 18–21 February, 2018, 4 page extended abstract, poster.
218. Teece, B., **George, S.C.** and Brock, G.A. (2018) Stromatolite construction, biofacies and biomarkers in the lower Cambrian Hawker Group, Arrowie Basin, South Australia. In: *1st Australasian Exploration Geoscience Conference*, Sydney, Australia, 18–21 February, 2018, 6 page extended abstract, oral.
217. **George, S.C.**, Baydjanova, S., Campbell, B.C. and Manda, B. (2018) Organic geochemistry and petroleum potential of Permian outcrop and core samples from the southern Sydney Basin. In: *1st Australasian Exploration Geoscience Conference*, Sydney, Australia, 18–21 February, 2018, 5 page extended abstract, oral.
216. Jiang, L. and **George, S.** (2017) Biomarker signatures of Upper Cretaceous hydrocarbon source rocks from the Latrobe Group, Gippsland Basin. In: *GSA Earth Sciences Student Symposium*, Macquarie University, Sydney, 10th November 2017, p. 22.
215. Peters, C.A., Hallmann, C. and **George, S.C.** (2017) Phenolic compounds in oil-bearing fluid inclusions: implications for water-washing and oil migration. In: *Abstracts, Gussow Research Conference*, Banff Centre, Banff, Canada, October 10-12, 2017, 5pp. Poster.
214. Xu, H., **George, S.C.**, and Hou, D. (2017) Carbon isotopic compositions of n-alkanes and isoprenoids provide evidence of source contributions for Xihu petroleum. In: *Abstracts, 28th International Meeting on Organic Geochemistry*, Florence, Italy, September 17–22, 2017. Poster P264.

213. Jiang, L., Zhang, M., Chen, J. and **George, S.C.** (2017) Investigation of a thermal effect on rearranged hopanes. In: *Abstracts, 28th International Meeting on Organic Geochemistry*, Florence, Italy, September 17–22, 2017. Poster P200.
212. **George, S.C.**, Xu, H., Löhr, S.C., and Kennedy, M.J. (2017) Organic geochemistry of Pliocene sapropels from ODP Sites 964 and 967, eastern Mediterranean Basin. In: *Abstracts, 28th International Meeting on Organic Geochemistry*, Florence, Italy, September 17–22, 2017. Poster P15.
211. Kotzakoulakis, K., Harrison, P.L., King, C.K., Brown, K. and **George, S.C.** (2017) The fate and bioavailability of fuel spills in polar marine environments: effect of evaporation and dissolution. In: *Abstracts, 28th International Meeting on Organic Geochemistry*, Florence, Italy, September 17–22, 2017. Oral O67.
210. McIntyre, C., Harvey, P.McA., Ferguson, S.H., Wressnig, A.M., Volk, H., **George, S.C.** and Snape, I. (2017) Correction to determining the extent of biodegradation of fuels using the diastereomers of acyclic isoprenoids. *Environmental Science & Technology* **51**, 2495.
209. Löhr, S.C., Kennedy, M.J. and **George, S.C.** (2016) Constraining the impact of benthic meiofaunal activity on organic carbon burial in ancient oxygen-depleted sedimentary environments. In: *Paleoclimates, Environments, Ecosystems and Our Resources, 19th Australian Organic Geochemistry Conference, Program and Abstracts*, Fremantle, Australia, 4-7 December 2016, p. 84-85. Oral presentation.
208. Xu, H., **George, S.C.** and Hou, D. (2016) The stable carbon isotopic compositions of individual n- alkanes and isoprenoids provide evidence of source contributions for petroleum generated from the Xihu Depression, East China Sea. In: *Paleoclimates, Environments, Ecosystems and Our Resources, 19th Australian Organic Geochemistry Conference, Program and Abstracts*, Fremantle, Australia, 4-7 December 2016, p. 58-59. Oral presentation.
207. Li, K., **George, S.C.** and Cai, C. (2016) Carbon isotope records of thermochemical sulfate reduction corrosion effects on carbonate minerals, Upper Permian and Lower Triassic carbonates, NE Sichuan Basin, China. In: *Paleoclimates, Environments, Ecosystems and Our Resources, 19th Australian Organic Geochemistry Conference, Program and Abstracts*, Fremantle, Australia, 4-7 December 2016, p. 69-71. Oral presentation.
206. **George, S.C.**, Xu, H., Löhr, S.C. and Kennedy, M.J. (2016) Organic geochemical characterisation of aliphatic fractions of Pliocene sapropels from ODP Sites 964 and 967, Eastern Mediterranean Basin. In: *Paleoclimates, Environments, Ecosystems and Our Resources, 19th Australian Organic Geochemistry Conference, Program and Abstracts*, Fremantle, Australia, 4-7 December 2016, p. 60-61. Oral presentation.
205. Aharonovich, S., Kulhanek, D.K., Clift, P.D. and **George, S.C.** (2016) Sub-marine mass slide as a potential biomarker reservoir: preliminary results from IODP Expedition 355, Arabian Sea. In: *Paleoclimates, Environments, Ecosystems and Our Resources, 19th Australian Organic Geochemistry Conference, Program and Abstracts*, Fremantle, Australia, 4-7 December 2016, p. 87-88. Poster presentation.
204. Aharonovich, S., **George, S.C.**, Bendle, J., Liddy, H., Clift, P.D., Pandey, D.K., Kulhanek, D.K., Andò, S., Tiwari, M., Khim, B.-K., Griffith, E., Steinke, S., Suzuki, K., Lee, J., Newton, K., Tripathi, S. and the Expedition 355 Scientific Party (2016) Multi-proxy geochemical analyses of Indus Submarine Fan sediments sampled by IODP Expedition 355: implications for sediment provenance and palaeoclimate reconstructions. In: *Paleoclimates, Environments, Ecosystems and Our Resources, 19th Australian Organic Geochemistry Conference, Program and Abstracts*, Fremantle, Australia, 4-7 December 2016, p. 38-39. Oral presentation.
203. Brown, K.E., King, C.K., Kotzakoulakis, K., **George, S.C.**, and Harrison, P.L. (2016) Behaviour of hydrocarbons from fuels in polar seawater and effects on the Antarctic

- amphipod *Paramoera walkeri*. Society of Environmental Toxicology and Chemistry Australasia (SETAC-AU), Hobart, 4-7th October 2016, p. 101. Oral presentation.
202. Marsaglia, K., Browne, G., **George, S.**, Kemp, D., Jaeger, J., Carson, D., Richaud, M. and IODP Expedition 317 Scientific Party (2016) Shallow to moderate burial diagenesis and lithification processes in a mixed carbonate/siliciclastic slope succession in the Canterbury Basin, New Zealand. In: *AAPG Annual Convention*, 19-22 June 2016, Calgary, Canada. Oral presentation.
201. **George, S.C.**, Peters, C.A., Piazzolo, S., Leefmann, T. and Dutkiewicz, A. (2016) Oil-bearing fluid inclusions and solid bitumens: biogeochemical repositories of information about the Archean biosphere. In: *Abstracts of Australasian Astrobiology Meeting* (edited by Pagès, A., Spaak G. and Campbell, M.), Perth, 9–12th July 2016. p. 35. Oral presentation.
200. Blake, R.P., van Kranendonk, M., Peters, C.A. and **George, S.C.** (2016) Organic contamination of 2.6Ga stromatolitic dolomites leading to false-positive biomarker results. In: *Abstracts of Australasian Astrobiology Meeting* (edited by Pagès, A., Spaak G. and Campbell, M.), Perth, Australia, 9–12th July 2016. p. 22. Oral presentation.
199. Ping, H., Chen, H., Thiéry, R. and **George, S.C.** (2016) Effects of oil cracking on fluorescence color, homogenization temperature and trapping pressure reconstruction of oil inclusions from deeply buried reservoirs, Northern Donging Depression, China. *Abstracts of the 8th International Geofluids Conference*, 22-25 June 2016, Wuhan, China, p. 50. Poster presentation.
198. **George, S.C.**, Peters, C.A., Piazzolo, S., Leefmann, T. and Dutkiewicz, A. (2016) Oil-bearing fluid inclusions and solid bitumens as biogeochemical repositories of information about the Archean biosphere. *Abstracts of the 8th International Geofluids Conference*, 22-25 June 2016, Wuhan, China, p. 2. Keynote oral presentation.
197. Bratenkov, S., Kulhanek, D.K., Clift, P.D. and **George, S.C.** (2016) Arabian Night and Sea Story – Biomarkers from a Giant Mass Transport Deposit. *European Geosciences Union General Assembly*, 23–28 April 2017, Vienna, Austria. Geophysical Research Abstracts 18, EGU2016-3754. Poster presentation.
196. Bratenkov, S., **George, S.C.**, Bendle, J., Liddy, H., Clift, P.D., Pandey, D.K., Kulhanek, D.K., Andò, S., Tiwari, M., Khim, B.-K., Griffith, E., Steinke, S., Suzuki, K., Lee, J., Newton, K., Tripathi, S. and the Expedition 355 Scientific Party (2016) Multi-proxy geochemical analyses of Indus Submarine Fan sediments sampled by IODP Expedition 355: implications for sediment provenance and palaeoclimate reconstructions. *European Geosciences Union General Assembly*, 23–28 April 2017, Vienna, Austria. Geophysical Research Abstracts 18, EGU2016-3735. Poster presentation.
195. Andò, S., Bratenkov, S., Hahn, A., **George, S.C.**, Clift, P.D., Gazarenti, E. and the Expedition 355 Scientific Party (2016) Combined heavy mineral and biomarker analysis in silt: a novel approach for provenance studies (Indus Fan, IODP Expedition 355). *European Geosciences Union General Assembly*, 23–28 April 2017, Vienna, Austria. Geophysical Research Abstracts 18, EGU2016-3497. Poster presentation.
194. French, K.L., Hallmann, C., Schoon, P.L., Zumberge, J.A., Hoshino, Y., Peters, C.A., **George, S.C.**, Love, G.D., Brocks, J.J., Buick, R. and Summons, R.E. (2015) Reappraisal of hydrocarbon biomarkers in Archean rocks. *2015 GSA Annual Meeting* in Baltimore, Maryland, USA (1-4 November 2015). Oral presentation.
193. Peters, C.A., **George, S.C.**, Piazzolo, S., Webb, G.E. and Dutkiewicz, A. (2015) A petrological investigation to find potential biomarker sites in Precambrian rocks. In: Book of abstracts, *27th International Meeting on Organic Geochemistry* (Editors: Francu, J., Schwark, L., Ocásková, D., Čáslavský, J., Brejchová, V.), Prague, Czech Republic, September 13–18, 2015. p. 583-584. Poster presentation.

192. **Baydjanova, S.**, and **George, S.C.** (2015) The organic geochemistry of Permian shales from southern New South Wales, Australia. In: Book of abstracts, *27th International Meeting on Organic Geochemistry* (Editors: Francu, J., Schwark, L., Ocásková, D., Čáslavský, J., Brejchová, V.), Prague, Czech Republic, September 13–18, 2015. p. 784-785. Poster presentation.
191. **George, S.C.**, Williams, M.L., Wheeler, J., Baydjanova, S., Camilleri, N., Hanssen, B., Maher, R., Meek, U., Nelson, A., O'Connor, C., Porter, W. and Jones, B.G. (2015) Organic geochemistry of non-marine Permian–Triassic mass extinction (PTME) sections in the Sydney Basin, Australia. In: Book of abstracts, *27th International Meeting on Organic Geochemistry* (Editors: Francu, J., Schwark, L., Ocásková, D., Čáslavský, J., Brejchová, V.), Prague, Czech Republic, September 13–18, 2015. p. 613-614. Oral and poster presentation.
190. Hoshino, Y., Flannery, D.T., Walter, M.R. and **George, S.C.** (2015) The spatial distribution of hydrocarbon biomarkers in an Archean stromatolite outcrop in the Fortescue Group, Pilbara region, Western Australia. In: Book of abstracts, *27th International Meeting on Organic Geochemistry* (Editors: Francu, J., Schwark, L., Ocásková, D., Čáslavský, J., Brejchová, V.), Prague, Czech Republic, September 13–18, 2015. p. 611-612. Poster presentation.
189. **Bratenkov, S.**, **George, S.C.** (2015) Global sea level changes or local tectonics? First Miocene biomarkers in cored sedimentary rocks from IODP Expedition 317, Canterbury Basin, New Zealand. In: Book of abstracts, *27th International Meeting on Organic Geochemistry* (Editors: Francu, J., Schwark, L., Ocásková, D., Čáslavský, J., Brejchová, V.), Prague, Czech Republic, September 13–18, 2015. p. 748-749. Poster presentation.
188. **Leefmann, T.**, Siljeström, S., Volk H., Dutkiewicz, A. and **George, S.C.** (2015) Analysis of individual oil-bearing fluid inclusions in single quartz crystals from the Barrandian Basin (Lower Palaeozoic, Czech Republic) using ToF-SIMS. In: Book of abstracts, *27th International Meeting on Organic Geochemistry* (Editors: Francu, J., Schwark, L., Ocásková, D., Čáslavský, J., Brejchová, V.), Prague, Czech Republic, September 13–18, 2015. p. 122-123. Oral presentation.
187. **Abbassi, S.**, Edwards, D.S., **George, S.C.**, Volk, H., di Primio, R. and Horsfield, B. (2015) New Insights on Potential Sources of Hydrocarbons in the Gippsland Basin. *AAPG/SEG/PESA 2015 International Conference & Exhibition*, 13–16 September 2015, Melbourne, Australia. Oral presentation.
186. Gong, S., Sestak, S., Armand, S., **van Holst, J.**, Volk, H., **George, S.C.**, Edwards, D.S. and Grosjean, E. (2015) Compound specific carbon isotope analysis of palaeo gases trapped in fluid inclusions: implications for the source of gas in the Browse Basin, Australia. *AAPG/SEG/PESA 2015 International Conference & Exhibition*, 13–16 September 2015, Melbourne, Australia. Oral presentation.
185. **Kotzakoulakis, K.**, **George, S.C.** and Smith, P. (2015) Predicting the weathering and bioavailability of fuel spills in polar marine environments. *SETAC Australasia*, 25–28 August 2015, Nelson, New Zealand. Oral presentation.
184. **Kotzakoulakis, K.**, **George, S.C.** and Smith, P. (2015) Predicting the weathering and bioavailability of fuel spills in cold marine environments. *38th AMOP Technical Seminar on Environmental Contamination and Response*, 2–4 June 2015, British Columbia, Canada. Oral presentation.
183. **Leefmann, T.**, Denman, J.A., Dutkiewicz, A., Siljeström, S., Volk, H. and **George, S.C.** (2014) ToF-SIMS dual beam depth profiling of individual oil-bearing fluid inclusions. In: *Life, environments and resources, 18th Australian Organic Geochemistry Conference, Program and Abstracts*. 30th Nov – 2nd December 2014, National Wine Centre, Adelaide. p. 122-123. Poster presentation.

182. Baydjanova, S., Wheeler, J., Thomas, B. and **George, S.C.** (2014) The organic geochemistry of Permian shales from the south coast of NSW. In: *Life, environments and resources, 18th Australian Organic Geochemistry Conference, Program and Abstracts*. 30th Nov – 2nd December 2014, National Wine Centre, Adelaide. p. 105-106. Poster presentation.
181. Abbassi, S., **George, S.C.**, Edwards, D.S., Volk, H., di Primio, R. and Horsfield, B. (2014) Potential sources of petroleum accumulations in the Gippsland Basin: Insights from pyrolysis and bulk chemical data. In: *Life, environments and resources, 18th Australian Organic Geochemistry Conference, Program and Abstracts*. 30th Nov – 2nd December 2014, National Wine Centre, Adelaide. p. 101-102. Poster presentation.
180. Kotzakoulakis, K., **George, S.C.**, Smith, P. (2014) Predicting the weathering and bioavailability of fuel spills in cold marine environments. In: *Life, environments and resources, 18th Australian Organic Geochemistry Conference, Program and Abstracts*. 30th Nov – 2nd December 2014, National Wine Centre, Adelaide. p. 83-84. Oral presentation.
179. Houlahan, S.B., Hose, G., Errington, I., King, C.K. and **George, S.C.** (2014) Petroleum biodegradation in subantarctic Macquarie Island soils. In: *Life, environments and resources, 18th Australian Organic Geochemistry Conference, Program and Abstracts*. 30th Nov – 2nd December 2014, National Wine Centre, Adelaide. p. 81-82. Oral presentation.
178. Bratenkov, S. and **George, S.C.** (2014) Global sea level changes or local tectonics? First Miocene biomarkers in cored sedimentary rocks from IODP Expedition 317, Canterbury Basin, New Zealand. In: *Life, environments and resources, 18th Australian Organic Geochemistry Conference, Program and Abstracts*. 30th Nov – 2nd December 2014, National Wine Centre, Adelaide. p. 73-74. Oral presentation.
177. Peters, C.A., Dutkiewicz, A., Piazzolo, S., Webb, G.E. and **George, S.C.** (2014) Biomarkers or not? A petrologic assessment of Archean rocks and their oil inclusions. In: *Life, environments and resources, 18th Australian Organic Geochemistry Conference, Program and Abstracts*. 30th Nov – 2nd December 2014, National Wine Centre, Adelaide. p. 64-65. Oral presentation.
176. Hoshino, Y., Flannery, D.T., Walter, M.R. and **George, S.C.** (2014) The preservation potential of hydrocarbon biomarkers in an Archean stromatolite outcrop in the Fortescue Group, Pilbara region, Western Australia. In: *Life, environments and resources, 18th Australian Organic Geochemistry Conference, Program and Abstracts*. 30th Nov – 2nd December 2014, National Wine Centre, Adelaide. p. 62-63. Oral presentation.
175. **George, S.C.**, Holterhof, J. and Volk, H. (2014) Understanding the biodegradation of petroleum hydrocarbons in the Gippsland Basin, offshore Australia, using quantitative two-dimensional gas chromatography time-of-flight mass spectrometry. In: *Life, environments and resources, 18th Australian Organic Geochemistry Conference, Program and Abstracts*. 30th Nov – 2nd December 2014, National Wine Centre, Adelaide. p. 46-47. Oral presentation.
174. **George, S.C.** (2014) In memoriam: John W. Smith (1925-2014). In: *Life, environments and resources, 18th Australian Organic Geochemistry Conference, Program and Abstracts*. 30th Nov – 2nd December 2014, National Wine Centre, Adelaide. p. 23-26. Oral presentation.
173. Errington, I., King, C.K., **George, S.C.**, Houlahan, S. and Hose, G. (2014) The effects of aged diesel fuel on subantarctic invertebrate and microbial communities. *9th Society of Environmental Toxicology and Chemistry (SETAC) Asia/Pacific 2014 Conference*, Adelaide, 14-17 September 2014. Oral presentation.
172. Hoshino, Y., Flannery, D.T., Walter, M.R. and **George, S.C.** (2014) Investigating the syngeneity and the paleobiology of hydrocarbon biomarkers in the Fortescue Group at 2.7-2.8 Ga. Abstracts of *Origins 2014*, second joint international conference of the International Astrobiology Society and Bioastronomy, Nara, Japan, 6-11 July. Oral presentation.
171. King, S., Donovan, S., **George, S.**, Jaeglé, L., Pyle, D., van Gasselt, S. and Eresk, V. (2014) Beginnings, *GeoResJ* 1-2, ii.

170. Bratenkov, S. and **George, S.C.** (2014) Origin and evolution of biomarkers in cored Miocene sedimentary rocks from IODP Expedition 317, Canterbury Basin, New Zealand. *Abstracts of the 31st Annual Meeting of the Society for Organic Petrology: 2014*, Volume 31, Sydney, NSW, Australia, 27th September to 3rd October 2014. Oral presentation.
169. Peters, C.A., Dutkiewicz, A., Piazzolo, S. and **George, S.C.** (2014) Crude oil in Archean carbonates. *Abstracts of the 31st Annual Meeting of the Society for Organic Petrology: 2014*, Volume 31, Sydney, NSW, Australia, 27th September to 3rd October 2014. Oral presentation.
168. Kotzakoulakis, K., **George, S.C.**, Harrison, P., Alexander, F. and King, C.K. (2014) Bioavailability and fate of toxic aromatic hydrocarbons in fuel spills in the Antarctic marine environment. *Australian Earth Sciences Convention*, Newcastle, NSW, 7–10 July 2014. Oral presentation.
167. Bratenkov, S. and **George, S.C.** (2014) Exploration of Miocene biomarkers in cored sedimentary rocks from IODP Expedition 317, Canterbury Basin, New Zealand. *Australian Earth Sciences Convention*, Newcastle, NSW, 7–10 July 2014. Oral presentation.
166. Bratenkov, S. and **George, S.C.** (2014) Preliminary results on the organic composition and thermal maturity of the Carboniferous Namoi Formation, northern NSW, Australia: a possible shale gas prospect? *Australian Earth Sciences Convention*, Newcastle, NSW, 7–10 July 2014. Poster presentation.
165. Chen, A., Burton, E.D., **George, S.C.**, Hesse, P., Kraal, P., Potter, D.K., Sepúlveda, J., Trimby, P. and Vella, N. (2014) A comparative multiproxy approach to address paleo-redox change at the Paleocene-Eocene boundary, New Jersey continental margin. *Australian Earth Sciences Convention*, Newcastle, NSW, 7–10 July 2014. Oral presentation.
164. Flannery, E.N. and **George, S.C.** (2014) Assessing the syngeneity and indigeneity of hydrocarbons in the ~1.4 Ga Velkerri Formation, McArthur Basin, using slice experiments. *Australian Earth Sciences Convention*, Newcastle, NSW, 7–10 July 2014. Poster presentation.
163. Abbassi, S., Horsfield, B., di Primio, R., Edwards, D., Volk, H. and **George, S.C.** (2014) Coal contribution to oil and gas accumulations in the Bonaparte and Gippsland basins: new insights from molecular and bulk kinetic data. *Australian Earth Sciences Convention*, Newcastle, NSW, 7–10 July 2014. Oral presentation.
162. Hoshino, Y., Flannery, D.T., Walter, M.R. and **George, S.C.** (2013) Investigating the syngeneity and the palaeobiology of hydrocarbon biomarkers in the Fortescue Group at 2.7-2.8 Ga. In: *Organic Geochemistry: trends for the 21st Century, Book of Abstracts of the Communications presented to the 26th International Meeting on Organic Geochemistry, Costa Adeje, Tenerife – Spain* (Edited by J.A. González-Pérez, F.J. González-Vila, Nicasio T. Jiménez-Morillo and G. Almendros). Poster presentation, Volume 2, p. 261-262.
161. Flannery, E.N. and **George, S.C.** (2013) Investigations into syngenicity and indigeneity of hydrocarbons of the Mesoproterozoic Velkerri Formation using slice experiments. In: *Organic Geochemistry: trends for the 21st Century, Book of Abstracts of the Communications presented to the 26th International Meeting on Organic Geochemistry, Costa Adeje, Tenerife – Spain* (Edited by J.A. González-Pérez, F.J. González-Vila, Nicasio T. Jiménez-Morillo and G. Almendros). Poster presentation, Volume 2, p. 207-208.
160. Luo, Q., **George, S.C.** and Zhong, N. (2013) Geochemical characteristics of the Mesoproterozoic Hongshuizhuang Formation, northern part of North China. In: *Organic Geochemistry: trends for the 21st Century, Book of Abstracts of the Communications presented to the 26th International Meeting on Organic Geochemistry, Costa Adeje, Tenerife – Spain* (Edited by J.A. González-Pérez, F.J. González-Vila, Nicasio T. Jiménez-Morillo and G. Almendros). Poster presentation, Volume 1, p. 454-455.

159. Abbassi, S., di Primio, R., Horsfield, B., Anka, Z., Volk, H., **George, S.C.** and Edwards, D.S. (2013) On the filling and leakage of petroleum from traps in the northern Bonaparte Basin, Australia. In: *Organic Geochemistry: trends for the 21st Century, Book of Abstracts of the Communications presented to the 26th International Meeting on Organic Geochemistry, Costa Adeje, Tenerife – Spain* (Edited by J.A. González-Pérez, F.J. González-Vila, Nicasio T. Jiménez-Morillo and G. Almendros). Oral presentation, Volume 1, p. 121-122.
158. **George, S.C.**, Siljeström, S., Volk, H., Dutkiewicz, A., Lausmaa, A., Sjövall, P. and Hode, T. (2013) Biomarker geochemistry of very old rocks: single oil inclusion analysis by TOF-SIMS. In: *Organic Geochemistry: trends for the 21st Century, Book of Abstracts of the Communications presented to the 26th International Meeting on Organic Geochemistry, Costa Adeje, Tenerife – Spain* (Edited by J.A. González-Pérez, F.J. González-Vila, Nicasio T. Jiménez-Morillo and G. Almendros). Oral presentation, Volume 1, p. 45-46.
157. Brown, K.E., King, C.K., Lane, A. Kotzakoulakis, K., **George, S.C.**, and Harrison, P.L. (2013) Sensitivity of the Antarctic amphipod *Paramoera walkeri* to diesel and fuel oil: Lethal and behavioural impacts. *Strategic Science in Antarctica 2013 Conference*, University of Tasmania, Hobart, 24-26 June 2013. Oral presentation.
156. **George, S.C.**, Siljeström, S., Volk, H., Dutkiewicz, A., Lausmaa, J., Sjövall, P. and Hode, T. (2012) An exciting future for biomarker geochemistry in very old rocks: single oil inclusion analysis by TOF-SIMS. In: *Biogeochemistry from Deep Time through Petroleum Resources to Modern Environments, 17th Australian Organic Geochemistry Conference, Program and Abstracts*. 2nd - 5th December 2012, Macquarie University, Sydney. CSIRO Report Number: EP129608, p. 68-69. Oral presentation.
155. Flannery, E.N. and **George, S.C.** (2012) The organic geochemistry of the Mesoproterozoic Velkerri Formation and investigations into syngenicity and indigeneity of hydrocarbons using slice experiments. In: *Biogeochemistry from Deep Time through Petroleum Resources to Modern Environments, 17th Australian Organic Geochemistry Conference, Program and Abstracts*. 2nd - 5th December 2012, Macquarie University, Sydney. CSIRO Report Number: EP129608, p. 45-46. Oral presentation.
154. Kotzakoulakis, K. and **George, S.C.** (2012) Application of a linear transfer model for the estimation of the hydrocarbon concentration in the seawater of Antarctica following a fuel spill. In: *Biogeochemistry from Deep Time through Petroleum Resources to Modern Environments, 17th Australian Organic Geochemistry Conference, Program and Abstracts*. 2nd - 5th December 2012, Macquarie University, Sydney. CSIRO Report Number: EP129608, p. 57. Oral presentation.
153. Hoshino, Y., Flannery, D., Walter, M.R. and **George, S.C.** (2012) Investigating the syngenicity and the palaeobiology of hydrocarbon biomarkers in the Fortescue Group at 2.7-2.8 Ga. In: *Biogeochemistry from Deep Time through Petroleum Resources to Modern Environments, 17th Australian Organic Geochemistry Conference, Program and Abstracts*. 2nd - 5th December 2012, Macquarie University, Sydney. CSIRO Report Number: EP129608, p. 43-44. Oral presentation.
152. Greenwood, P.F., Zhirong, Z., Liu, K., Grice, K., **George, S.C.**, Fisher, L., and Hough, R. (2012) Flash pyrolysis GCMS analysis of fluid inclusions. In: *Biogeochemistry from Deep Time through Petroleum Resources to Modern Environments, 17th Australian Organic Geochemistry Conference, Program and Abstracts*. 2nd - 5th December 2012, Macquarie University, Sydney. CSIRO Report Number: EP129608, p. 62-63. Oral presentation.
151. Luo, Q., **George, S.C.**, and Zhong, N. (2012) Geochemistry of Mesoproterozoic Hongshuizhuang Formation shales in northern part of North China: implications for provenance, source weathering and paleoclimate. In: *Biogeochemistry from Deep Time through Petroleum Resources to Modern Environments, 17th Australian Organic Geochemistry Conference, Program and Abstracts*. 2nd - 5th December 2012, Macquarie University, Sydney. CSIRO Report Number: EP129608, p. 90-91. Poster presentation.

150. Brown, K., King, C.K., **George, S.C.**, Lane, A. and Harrison, P.L. (2012) Assessing toxicity of diesel and fuel oil on early life stages of Antarctic marine invertebrates. *Scientific Committee for Antarctic Research conference*, 16-19 July, Portland Oregon, USA. Poster presentation.
149. Van Holst, J., Midgley, D.J., Stalker, L., Gillings, M. and **George, S.C.** (2012) Coal degradation in anaerobic sediments associated with acid mine drainage. *34th International Geological Congress*, Brisbane, Australia 5-10 August 2012, p. 2765. Oral presentation.
148. Hoshino, Y., Flannery, D., Walter, M. and **George, S.** (2012) Investigating the syngeneity and paleobiology of hydrocarbon biomarkers in the Fortescue Group at 2.7-2.8 Ga. *34th International Geological Congress*, Brisbane, Australia 5-10 August 2012, p. 1656. Oral presentation.
147. Flannery, D., Hoshino, Y., Walter, M., Van Kranendonk, M. and **George, S.** (2012) A Record of life in changing Neoproterozoic environments of the Fortescue Group, Pilbara region, Western Australia. *34th International Geological Congress*, Brisbane, Australia 5-10 August 2012, p.1655. Oral presentation.
146. **George, S.C.**, Teague, E., Lipp, J.S., Yoshimura, T. and Claypool, G.E. (2012) Biomarkers in offshore Canterbury Basin sediments, New Zealand: organic matter input and thermal maturity. *34th International Geological Congress*, Brisbane, Australia 5-10 August 2012, p. 298. Oral presentation.
145. Yoshimura, T., Kawahata, H., Tanimizu, M., **George, S.C.**, Lipp, J.S. and Claypool, G.E. (2012) Sr isotopic composition of pore water of shelf cores from IODP Expedition 317: Canterbury Basin, New Zealand. *22nd V.M. Goldschmidt Conference*, 24-29 June, 2012, Palais des Congrès, Montréal, Canada. Poster presentation.
144. **George, S.C.**, Lipp, J.S., Claypool, G.E., Yoshimura, T. and Expedition 317 Shipboard Scientific Party (2011). Biogeochemical processes in Holocene-Pleistocene sediments at <100 m depth recovered during IODP Expedition 317, Canterbury Basin, New Zealand. In: *25th International Meeting on Organic Geochemistry*, Abstract Book, 18-23 September 2011, Interlaken. Poster presentation 203, p. 342.
143. Lipp, J.S., **George, S.C.**, Claypool, G.E., Yoshimura, T., Hinrichs, K.U. and Expedition 317 Shipboard Scientists (2011) Biogeochemistry of sediments at ultra-deep burial depth recovered during IODP Expedition 317, Canterbury Basin, New Zealand. In: *25th International Meeting on Organic Geochemistry*, Abstract Book, 18-23 September 2011. Interlaken. Poster presentation 185, p. 325.
142. **George, S.C.**, Lipp, J.S., Claypool, G.E., Yoshimura, T. and Expedition 317 Shipboard Scientific Party (2011) Organic carbon content and character of Holocene–Eocene sediments recovered during IODP Expedition 317, Canterbury Basin, New Zealand. In: *25th International Meeting on Organic Geochemistry*, Abstract Book, 18-23 September 2011. Interlaken. Poster presentation 039, p. 186.
141. Siljeström, S., Lausmaa, J., Volk, H., **George, S.C.**, Sjövall, P., Dutkiewicz, A. and Hode, T. (2011) Analysis of single Precambrian oil-bearing fluid inclusions as a way of constraining evolution of eukaryotes. European Geosciences Union General Assembly, Vienna, Austria, 03–08 April 2011. *Geophysical Research Abstracts* **13**, EGU2011-12852.
140. Siljeström, S., Lausmaa, J., Volk, H., **George, S.**, Sjövall, P., Dutkiewicz, A. and Hode, T. (2011) Analysis of organic biomarkers in single Precambrian oil-bearing fluid inclusions using ToF-SIMS. *Mineralogical Magazine* **75**, 3, p. 1874. Goldschmidt Conference Abstract.
139. **George, S.C.**, Coffey, J.M. and Walter, M.R. (2011) New biomarker results from the 2.7 Ga Tumbiana Formation, Pilbara region. *The Evolution of Photosynthesis and Oxygenation of the Earth Symposium*, 28-29 June 2011, The University of New South Wales, Sydney, Australia. Oral presentation.

138. **George, S.C., Coffey, J.M.,** Walter, M.R. (2011) New biomarker results from the 2.7 Ga Tumbiana Formation, Pilbara region. *Australian Mars Exploration Conference*, 22-23 July 2011, The University of WA, Perth, Australia. Oral presentation.
137. Volk, H., Kempton, R., Gong, S., Ahmed, M., **George, S.C.,** Boreham, C.J., Grosjean, E. (2012) Source rock mapping using fluid inclusion geochemistry in the offshore Perth Basin. *AAPG International Conference and Exhibition*, Singapore, 16-19 September 2012. Oral presentation.
136. **George, S.C.,** Lipp, J.S., Yoshimura, T., Claypool, G.E. and Expedition 317 Shipboard Scientific Party (2010) IODP Expedition 317, Canterbury Basin, offshore NZ: on-board geochemistry results. In: *16th Australian Organic Geochemistry Conference, program and abstracts* (edited by Chen, J.H., Hope, J.M., Grosjean, E., Boreham, C.J. and Brocks, J.J.), 7-10 December, 2010, Canberra, Australia. Geoscience Australia Record 2010/42, p. 44-45, ISBN 978-1-921781-51-3. Oral presentation.
135. **Woolfenden, E.,** Snape, I. and **George, S.C.** (2010) How does depth affect the preferential degradation process in Antarctic marine sediments polluted by diesel? In: *16th Australian Organic Geochemistry Conference, program and abstracts* (edited by Chen, J.H., Hope, J.M., Grosjean, E., Boreham, C.J. and Brocks, J.J.), 7-10 December, 2010, Canberra, Australia. Geoscience Australia Record 2010/42, p. 52-53, ISBN 978-1-921781-51-3. Oral presentation.
134. **Bray, P.S.,** Jones, C.M., Fallon, S., Brocks, J.J. and **George, S.C.** (2010) Compound specific radiocarbon analysis of hypersaline microbial biomarkers. In: *16th Australian Organic Geochemistry Conference, program and abstracts* (edited by Chen, J.H., Hope, J.M., Grosjean, E., Boreham, C.J. and Brocks, J.J.), 7-10 December, 2010, Canberra, Australia. Geoscience Australia Record 2010/42, p. 64-65, ISBN 978-1-921781-51-3. Oral presentation.
133. **Easton, M., Woolfenden, E.N.M.,** Snape, I. and **George, S.C.** (2010) Long-term degradation of lubricant oil in Antarctic sediments. In: *16th Australian Organic Geochemistry Conference, program and abstracts* (edited by Chen, J.H., Hope, J.M., Grosjean, E., Boreham, C.J. and Brocks, J.J.), 7-10 December, 2010, Canberra, Australia. Geoscience Australia Record 2010/42, p. 98, ISBN 978-1-921781-51-3. Poster presentation.
132. **Mu, G., George, S.C.,** Zhong, N.N. and Gong, S. (2010) Genesis and biogeochemical evolution of hydrocarbons in the Neo-Mesoproterozoic sediments of the Yanshan Basin, North China. In: *16th Australian Organic Geochemistry Conference, program and abstracts* (edited by Chen, J.H., Hope, J.M., Grosjean, E., Boreham, C.J. and Brocks, J.J.), 7-10 December, 2010, Canberra, Australia. Geoscience Australia Record 2010/42, p. 112-113, ISBN 978-1-921781-51-3. Poster presentation.
131. Siljeström, S., Sjövall, P., Lausmaa, J., Hode, T., Volk, H., **George, S.,** Dutkiewicz, A. and Thiel, V. (2010) ToF-SIMS analysis of organic phases trapped in natural mineral samples – Detection of molecular fossils in fluid inclusions. *SIMS Europe 2010* (7th European Workshop on Secondary Ion Mass Spectrometry), September 19-21, 2010, Münster, Germany. Oral presentation.
130. Flannery, D.T., **Coffey, J.M., George, S.C.** and Walter, M.R. (2010) Does the Neoarchean Fortescue group record the earliest evidence for oxygenic photosynthesis? In: Tyler, I.M. and Knox-Robinson, C.M., *Fifth International Archean Symposium Abstracts*: Geological Survey of Western Australia, Record 2010/18, pp. 358-359.
129. **Coffey, J.M.,** Walter, M.R. and **George, S.C.** (2010) Organic geochemical evidence of a microbial ecology in the 2.7 Ga Tumbiana Formation from stromatolitic outcrop samples, Fortescue Basin, Western Australia. *Australian Earth Sciences Convention*, 4-8th July 2010, Canberra, Australia, p. 91. Oral presentation.

128. Jones, C.M., Volkman, J.K., Magee, J., Luly, J., Bray, P.S., **George, S.**, Banfield, J.F. and Brocks, J.J. (2010) Preserved biomarkers in ephemeral saline lake sediments as constraints on inland regional evaporative regimes. *Australian Earth Sciences Convention*, 4-8th July 2010, Canberra, Australia, p. 265-266. Oral presentation.
127. Bray, P.S., Jones, C.M., Brocks, J.J. and **George, S.C.** (2010) Radiocarbon dating of archaeal lipids in microbial mats from an Australian salt lake. *Australian Earth Sciences Convention*, 4-8th July 2010, Canberra, Australia, p. 266. Oral presentation.
126. Fulthorpe, C., Hoyanagi, K., Blum, P. and **Expedition 317 Shipboard Scientists** (2010) Preliminary results on Canterbury Basin sea-level transect, New Zealand, IODP Exp. 317. Japan Geoscience Union Meeting, May 23-28 2010, Makuhari, Chiba, Japan.
125. Bray, P.S., Jones, C., Brocks, J.J. and **George, S.C.** (2009) Geochronology based on radiocarbon dating of archaeal biomarkers, Lake Tyrrell, Northern Victoria, Australia. In: *24th International Meeting on Organic Geochemistry*, Abstract Book, 6th-11th September 2009, P-211. University of Bremen - MARUM, Bremen, Germany. Poster presentation.
124. Volk, H., Sykes, R., Zink, K. and **George, S.C.** (2009) Influence of depositional environment and early diagenesis on molecular maturity parameters of coals and related oils – an example from the Taranaki Basin. In: *24th International Meeting on Organic Geochemistry*, Abstract Book, 6th-11th September 2009, P-164. University of Bremen - MARUM, Bremen, Germany. Poster presentation.
123. **George, S.C.**, Lisk, M., Ahmed, M., Volk, H. and Edwards, D.S. (2009) Assessment of regional oil charge patterns using oil inclusion geochemistry in the Vulcan Sub-basin, NW Australia. In: *24th International Meeting on Organic Geochemistry*, Abstract Book, 6th-11th September 2009, P-161. University of Bremen - MARUM, Bremen, Germany. Poster presentation.
122. **George, S.C.**, Volk, H. and Dutkiewicz, A. (2009) Di-*iso*-propylnaphthalenes: environmental contaminants of increasing importance for organic geochemists. In: *24th International Meeting on Organic Geochemistry*, Abstract Book, 6th-11th September 2009, P-99. University of Bremen - MARUM, Bremen, Germany. Poster presentation.
121. Mu, G., **George, S.C.**, Zhong, N., Song, T., Zhao, B. and Zhang, Y. (2009) Source rock and fluid inclusion study of Neoproterozoic-Mesoproterozoic sediments in the Yanshan Basin, North China. In: *24th International Meeting on Organic Geochemistry*, Abstract Book, 6th-11th September 2009, P-80. University of Bremen - MARUM, Bremen, Germany. Poster presentation.
120. Woolfenden, E., **George, S.C.**, Snape, I. (2009) Hydrocarbons in Antarctic marine sediment: expect the unexpected. In: *24th International Meeting on Organic Geochemistry*, Abstract Book, 6th-11th September 2009, O-9. University of Bremen - MARUM, Bremen, Germany. Oral presentation.
119. **George, S.C.**, Dutkiewicz, A., Volk, H., Ridley, J.R. and Buick, R. (2009) Stability of complex hydrocarbons within fluid inclusions in rocks exposed to high temperatures. In: *19th Annual V.M. Goldschmidt Conference*, 21-26th June 2009, Davos. *Geochimica et Cosmochimica Acta* **73**, supplement 1, pp. A427. Oral presentation.
118. Volk, H., Kempton, R.H., Ahmed, M., Gong, S., **George, S.C.** and Boreham, C.J. (2009) Tracking petroleum systems in the Perth Basin by integrating microscopic, molecular and isotopic information on petroleum fluid inclusions. *Geofluids VI*, Adelaide, 15-17th April 2009, *Journal of Geochemical Exploration* **101**, 109. Oral presentation. [4 GS citations]
117. Sestak, S., Singh, V., Volk, H., **George, S.C.** and Dutkiewicz, A. (2009) Pyrolysis of Jamison Sandstone solid bitumen from the Mesoproterozoic Roper Superbasin. *Geofluids VI*, Adelaide, 15-17th April 2009, *Journal of Geochemical Exploration* **101**, 94. Oral presentation. [1 GS citation]

116. Liu, K., Xiao, X., Mills, D., **George, S.C.**, Volk, H. and Gong, S. (2009) Cautions in the interpretation of petroleum fluid inclusion data in petroleum system analysis: Insight from spectroscopic analyses of natural and synthetic inclusions. *Geofluids VI*, Adelaide, 15-17th April 2009, *Journal of Geochemical Exploration* **101**, 62. Oral presentation. (5 GS citations]
115. **Coffey, J.M.**, **George, S.C.**, Walter, M.R. and Hill, A. (2008) The Palaeontology and Stratigraphy of the 2.7Ga Tumbiana Formation, Pilbara Craton, Western Australia. In: *Oil, Soil, Water and Wine, 15th Australian Organic Geochemistry Conference*, Adelaide, 8-12 September 2008, pp. 116-117. Poster presentation.
114. **Woolfenden, E.N.M.**, Powell, S.M., Stark, S.C., Stark, J.S., Thompson, B.A.W., Harvey, P. McA., Snape, I., Riddle, M.J. and **George, S.C.** (2008) Hydrocarbons in Antarctic marine sediments: degradation and ecological effects over five years. In: *Oil, Soil, Water and Wine, 15th Australian Organic Geochemistry Conference*, Adelaide, 8-12 September 2008, pp. 77-78. Oral presentation.
113. **George, S.C.**, Volk, H., Dutkiewicz, A., Ridley, J.R. and Mossman, D.J. (2008) Hydrocarbons in solid bitumens and fluid inclusions from the Palaeoproterozoic Oklo natural fission reactors, Gabon. In: *Oil, Soil, Water and Wine, 15th Australian Organic Geochemistry Conference*, Adelaide, 8-12 September 2008, pp. 51-52. Oral presentation.
112. Dutkiewicz, A., **George, S.C.**, Mossman, D.J., Volk, H., Ridley, J.R. and Buick, R. (2008) Palaeoproterozoic hydrocarbons associated with uranium and gold deposits. *Australian Earth Sciences Convention*, 20-24th July 2008, Perth, Australia. Oral presentation.
111. **Coffey, J.M.**, Walter, M.R., **George, S.C.** and Hill, A. (2008) The palaeontology and palaeoecology of the 2.7Ga Tumbiana Formation, Pilbara Craton, Western Australia. *Australian Earth Sciences Convention*, 20-24th July 2008, Perth, Australia. Oral presentation.
110. **Woolfenden, E.N.M.**, Stark, J.S., Thompson, B.A.W., Powell, S.M., Stark, S.C., Harvey, P. McA., Snape, I., Riddle, M.J. and **George, S.C.** (2008) Hydrocarbons in Antarctic marine sediments: degradation and ecological effects over 5 years (SRE4). *Contaminants in Freezing Ground (CFG6) 6th International Conference*, 22-27 June 2008, Fairlee, Vermont. Oral presentation.
109. Eadington, P.J., Kempton, R., **George, S.**, Volk, H., Bourdet, J. and Coehlo, C.E.S. (2008) Changes to oil fluorescence by the invasion of gas or water. *18th Annual V.M. Goldschmidt Conference*, 14-18th July 2008, Vancouver. *Geochimica et Cosmochimica Acta* **72**, A236. Poster presentation. [1 GS citation]
108. **George, S.C.**, Volk, H., Lisk, M., Brincat, M.P. and Eadington, P.J. (2008) Fluid inclusions provide evidence for early oil composition prior to gas condensate migration into reservoirs. *18th Annual V.M. Goldschmidt Conference*, 14-18th July 2008, Vancouver. *Geochimica et Cosmochimica Acta* **72**, A303. Oral presentation.
107. McIntyre, C., **George, S.C.**, Harvey, P.McA., Ferguson, S., Snape, I., Wressnig, A.M. and Volk, H. (2007) Monitoring biodegradation, weathering and bioremediation in cold climates. *International Symposium on Applied Molecular Microbiology in Oil Systems (ISMOS)*, 17-18th September 2007, University of Essex, Colchester, UK.
106. **George, S.C.**, Brock, G.A., Paterson, J.R., Skovsted, C.A., Fuentes, D., Volk, H. and Walter, M.R. (2007) Using laser microprobe pyrolysis to decipher the chemical record of metazoans during the “Cambrian Explosion”. In: *Abstract Book 23rd International Meeting on Organic Geochemistry* (eds Farrimond, P. *et al.*), 9th-14th September 2007, EAOG, Torquay, United Kingdom, pp. 688-689. Poster presentation P285-WE.
105. Boreham, C.J., Volk, H., Sherwood, N. and **George, S.C.** (2007) Cambrian petroleum systems and oil migration in the Georgina Basin, Australia. In: *Abstract Book 23rd International Meeting on Organic Geochemistry* (eds Farrimond, P. *et al.*), 9th-14th September 2007, EAOG, Torquay, United Kingdom, pp. 638-639. Poster presentation P260-WE.

104. Volk, H., **George, S.C.**, Brincat, M. P., Kennard, J.M., Edwards, D.S., Boreham, C.J., Ahmed, M. and Lisk, M. (2007) Unravelling the oily past of giant gas fields using oil-bearing fluid inclusions. In: *Abstract Book 23rd International Meeting on Organic Geochemistry* (eds Farrimond, P. *et al.*), 9th-14th September 2007, EAOG, Torquay, United Kingdom, pp. 109-110. Poster presentation P35-MO.
103. Ahmed, M., Volk, H., **George, S.C.**, Faiz, M. and Stalker, S. (2007) Oils sourced from Permian coals - geochemical evidence from Sydney Basin oil seeps and shows. In: *Abstract Book 23rd International Meeting on Organic Geochemistry* (eds Farrimond, P. *et al.*), 9th-14th September 2007, EAOG, Torquay, United Kingdom, pp. 815-816. Oral presentation 65.
102. **George, S.C.**, Dutkiewicz, A., Volk, H., Ridley, J., Mossman, D.J. and Buick, R. (2007) Eukaryote-derived steranes in Precambrian oils and rocks: fact or fiction? In: *Abstract Book 23rd International Meeting on Organic Geochemistry* (eds Farrimond, P. *et al.*), 9th-14th September 2007, EAOG, Torquay, United Kingdom, pp. 9-10. Oral presentation 4. [2 GS citations]
101. Coffey, J.M., **George, S.C.**, Walter, M.R. and Hill, A. (2007) The 2.7Ga Fortescue Group: organic productivity and the petroleum potential of very ancient successions. *The First International Forum on Petroleum Sustainable Development for PhD candidates*, China University of Petroleum, Beijing, August 2007. Oral presentation.
100. **George, S.C.**, Dutkiewicz, A., Volk, H., Ridley, J., Mossman, D.J. and Buick, R. (2007) Oil-bearing fluid inclusions from the Palaeoproterozoic: biogeochemical time-capsules for >2.0 billion years. *The First International Forum on Petroleum Sustainable Development for PhD candidates*, China University of Petroleum, Beijing, August 2007. Plenary invited oral presentation.
99. Dutkiewicz, A., Volk, H., Ridley, J. and **George, S.C.** (2007) Proterozoic Oils in the Roper Superbasin, Northern Australia. *Emerging Plays in Australasia, joint Geological Society and Petroleum Group conference*, 17-19th July 2007, London, UK. Oral presentation.
98. Ridley, J., Dutkiewicz, A., **George, S.C.** and Volk, H. (2007) Hydrocarbon-aqueous mixtures in syndiagenetic fluid inclusions. *19th Biennial Conference on European Current Research on Fluid Inclusions (ECROFI-XIX)*, 17-20th July 2007, University of Bern, Switzerland. Oral presentation.
97. Dutkiewicz, A., Ridley, J., **George, S.C.**, Mossman, D. and Volk, H. (2007) Oil-bearing fluid inclusions associated with the Palaeoproterozoic Oklo natural fission reactors, Gabon. *19th Biennial Conference on European Current Research on Fluid Inclusions (ECROFI-XIX)*, 17-20th July 2007, University of Bern, Switzerland. Poster presentation.
96. Batts, B. and **George, S.C.** (2007) The 2006 AOGC Medal. *Organic Geochemistry* **38**, 1013-1014.
95. McIntyre, C., Harvey, P.M., Snape, I. and **George, S.C.** (2006) Evaluating the extent of biodegradation of fuel spills using the stereochemical isomers of acyclic isoprenoids. Contaminants in Freezing Ground, Proceedings of the 5th International Conference (eds. A.G. Rike, J. Øvstedal and Ø. Vethe), 21-25 May 2006, Oslo, Norway, Norsk Geologisk Forening.
94. Coelho, C. E. S., Volk, H., **George, S.C.**, Eadington, P. J. and Ross. A.S. (2006) Use of the distribution and geochemistry of oil-bearing fluid inclusion to unravel petroleum charge histories — an example from offshore Brazil. *10th Latin American Association of Organic Geochemistry (ALAGO) Congress on Organic Geochemistry*, November 4-10, Salvador, Brazil, pp. 183-185. Poster presentation. [1 GS citation]
93. Volk, H., Coelho, C. E. S., **George, S.C.**, Eadington, P. and Ross. A.S. (2006) Petroleum charge history of a stacked reservoir offshore Brazil as inferred from the distribution and geochemistry of petroleum inclusions. *AAPG International Conference and Exhibition*, 5-8 November, Perth, Australia. Poster presentation.

92. Gong, S., Volk, H., **George, S.C.**, Liu, K. and Peng, P. (2006) Petroleum charge history in the Lunnan Low Uplift Tarim Basin, China – A fluid inclusion oil study. *AAPG International Conference and Exhibition*, 5-8 November, Perth, Australia. Poster presentation.
91. **George, S.C.** and Volk, H. (2006) Quantitative whole oil gas chromatography as a tool for understanding biodegradation processes in oil reservoirs. *AAPG International Conference and Exhibition*, 5-8 November, Perth, Australia. Extended abstract (6 pages). Oral presentation.
90. Ahmed, M., Volk, H., **George, S.C.**, Faiz, M. and Stalker, L. (2006) Oil from Late Permian coals in the Sydney Basin, Australia – A geochemical study. *AAPG International Conference and Exhibition*, 5-8 November, Perth, Australia. Extended abstract (5 pages). Poster presentation.
89. **George, S.C.**, Dutkiewicz, A., Volk, H., Ridley, J. and Mossman, D. (2006) Oil-bearing fluid inclusions: biogeochemical time-capsules for >2.0 billion years. *16th Annual V.M. Goldschmidt Conference*, 27 August–1 September 2006, Melbourne. *Geochimica et Cosmochimica Acta* 70, A198. Oral presentation. [2 GS citations]
88. Dutkiewicz, A., Volk, H., **George, S.C.**, Ridley, J., Mossman, D. and Buick, R. (2006) Oil and its biomarkers trapped inside fluid inclusions ca. 2.45-2.0 Ga. *16th Annual V.M. Goldschmidt Conference*, 27 August–1 September 2006, Melbourne. *Geochimica et Cosmochimica Acta* 70, A153. Oral presentation. [2 GS citations]
87. Dutkiewicz, A., Volk, H., **George, S.C.**, Ridley, J. and Buick, R. (2006) Biomarkers sealed in Huronian oil-bearing fluid inclusions from the Matinenda Formation, Canada. *Australian Earth Science Convention*, 2-6 July 2006, Melbourne, Australia. Oral presentation.
86. Volk, H., **George, S.C.**, Ahmed, M. and Sykes, R. (2006) Early diagenesis of organic matter in isorank coal seams of the Mangahewa Formation, Taranaki Basin, New Zealand. *Australian Earth Science Convention*, 2-6 July 2006, Melbourne, Australia. Oral presentation.
85. Liu, K., **George, S.C.**, Eadington, P. J., Fenton, S., Volk, H. and Ahmed, M., (2006) Applying innovative fluorescence spectroscopy techniques to study petroleum inclusions. In: *AOGC-NOM Conference Program and Abstracts*, 12th-15th February 2006, Rottneest Island, p. 137-138. Poster presentation.
84. Bruensing, J., Volk, H., **George, S.C.** and Liu, K. (2006) Using oil inclusions for reconstruction fluid evolutions – an example from the Gidgealpa oilfield (Cooper-Eromanga basins, Central Australia). In: *AOGC-NOM Conference Program and Abstracts*, 12th-15th February 2006, Rottneest Island, p. 117-118. Poster presentation.
83. Volk, H., Dutkiewicz, A., **George, S.C.**, Mossman, D.J. and Ridley J. (2006) Solid bitumen and oil-bearing fluid inclusions associated with Proterozoic natural fission reactors at Oklo (Gabon, Africa). In: *AOGC-NOM Conference Program and Abstracts*, 12th-15th February 2006, Rottneest Island, p. 103-104. Oral presentation.
82. **George, S.C.**, Dutkiewicz, A., Volk, H., Ridley J. and Buick, R. (2006) Biomarkers trapped in 2.45 Ga oil inclusions from Canada. In: *AOGC-NOM Conference Program and Abstracts*, 12th-15th February 2006, Rottneest Island, p. 93-94. Oral presentation.
81. Gong, S. Volk, H., **George, S.C.**, Liu, K. and Peng, P. (2006) Geochemical characteristics of fluid inclusion oils from the Lunnan Low Uplift (Tarim Basin, China). In: *AOGC-NOM Conference Program and Abstracts*, 12th-15th February 2006, Rottneest Island, p. 87-88. Oral presentation.
80. Fuentes, D., **George, S.C.**, Barcikowski, S., McIntyre, C., Sattari, R. and Sestak, S. (2006) Recent developments and applications of the laser micropyrolysis GC-MS technique. In:

- AOGC-NOM Conference Program and Abstracts*, 12th-15th February 2006, Rottneest Island, p. 77-78. Oral presentation.
79. Liu, K., Pang, X., Li, S., **George, S.**, Eadington, P., Fenton, S., Li, P. and Zhang, S. (2005) Unravel the origin and processes of heavy oil genesis using integrated fluid inclusion analysis. *Heavy Oil Conference, Beijing, September 2005*. Oral presentation.
78. Volk, H., Logan, G., **George, S.C.**, Fuentes, D., Jones, A. and Rollet, N. (2005) Molecular and isotopic characteristics of shallow surface sediments from petroleum seep areas, offshore North West Australia. In: *System Earth-Biosphere Coupling, Erlangen 2005* (eds Freiwald, A., Röhling, H-G., Löffler, S.-B.), 39, Erlangen, Deutschen Gesellschaft für Geowissenschaften, Hannover, p. 390. Oral presentation.
77. Brünsing, J., Volk, H. and **George, S.C.** (2005) Charge history of the Gidgealpa oilfield, Cooper Eromanga basins - Evidence from fluid inclusion oil analysis. In: *System Earth-Biosphere Coupling, Erlangen 2005* (eds Freiwald, A., Röhling, H-G., Löffler, S.-B.), 39, Deutschen Gesellschaft für Geowissenschaften, Hannover, p. 54. Oral presentation.
76. Volk, H., McIntyre, C., Batts, B.D. and **George, S.C.** (2005) Composition and origin of fuel from Scott's expedition to Antarctica. In: *Abstract Book 22nd International Meeting on Organic Geochemistry: Vol. 1*, (eds González-Vila, F.J., González-Pérez, J.A., Almendros, G.), EAOG, Seville, pp. 258-259. Poster presentation.
75. Volk, H., **George, S.C.**, Ahmed, M. and Sykes, R. (2005) Variability of molecular maturity parameters in isothermal source rocks - Implications for assessing the thermal maturity of oils. In: *Abstract Book 22nd International Meeting on Organic Geochemistry: Vol. 1*, (eds González-Vila, F.J., González-Pérez, J.A., Almendros, G.), EAOG, Seville, pp. 420-421. Poster presentation.
74. McIntyre, C., Harvey, P., Snape, I., **George, S.C.** (2005) Diamondoids as bioremediation indicators for diesel spills. In: *Abstract Book 22nd International Meeting on Organic Geochemistry: Vol. 1*, (eds González-Vila, F.J., González-Pérez, J.A., Almendros, G.), EAOG, Seville, pp. 196-197. Poster presentation.
73. Liu, K., **George, S.C.**, Li, S, Pang, X, Fenton, S., Volk, H. and Ahmed, M. (2005) Total Scanning Fluorescence (TSF) as an effective screening tool for delineating oil families. In: *Abstract Book 22nd International Meeting on Organic Geochemistry: Vol. 2*, (eds González-Vila, F.J., González-Pérez, J.A., Almendros, G.), EAOG, Seville, pp. 1128-1129. Poster presentation.
72. **George, S.C.**, Barcikowski, S., McIntyre, C., Fuentes, D., Sattari, R. and Sestak, S. (2005) Enhancement of the capability of the laser micropyrolysis GC-MS technique. In: *Abstract Book 22nd International Meeting on Organic Geochemistry: Vol. 2*, (eds González-Vila, F.J., González-Pérez, J.A., Almendros, G.), EAOG, Seville, pp. 1115-1116. Poster presentation.
71. **George, S.C.**, Volk, H. and Ahmed, M. (2005) Recognising oil mixing using maturity parameters from different molecular weight fractions of oils. In: *Abstract Book 22nd International Meeting on Organic Geochemistry: Vol. 1*, (eds González-Vila, F.J., González-Pérez, J.A., Almendros, G.), EAOG, Seville, pp. 62-63. Oral presentation given by HV.
70. Volk, H., **George, S.C.**, Kempton, R.H., Liu, K., Ahmed, M., and Ambrose, G. (2005) Petroleum migration in the Georgina Basin: Evidence from petrography and diagenesis of carbonate reservoirs, and from the molecular composition of oil inclusions and bitumens encountered in the Elkedra and Ross wells. In: *Central Australian Basins Symposium, Abstracts and program*, (eds. T. Munson, G. Ambrose, and P. Ferenczi), pp. 12-13, NT Dep. of Mines, Alice Springs. Oral presentation.
69. Dutkiewicz, A., Volk, H., Ridley, J., and **George, S.C.** (2005) Precambrian oil in the Roper Superbasin: A Fluid Inclusion Perspective. In: *Central Australian Basins Symposium*,

- Abstracts and program*, (eds. T. Munson, G. Ambrose, and P. Ferenczi), pp. 38-39, NT Dep. of Mines, Alice Springs. Oral presentation.
68. **George, S.C.**, Dutkiewicz, A., Volk, H., Ridley, J., and Buick, R. (2005) The use of biomarkers from oil inclusions to constrain Paleoproterozoic ecosystems and environments. *Earth System Processes 2*, Calgary, Canada, 8-11 August 2005, p. 40. Invited oral presentation.
 67. Volk, H., Brincat, M.P., **George, S.C.**, Kennard, J.M., Edwards, D.S., Boreham, C.J., Ahmed, M. and Lisk, M. (2005) Clues to fill histories of gas fields in the Caswell Sub-basin– Evidence from the distribution and geochemistry of palaeo-oils. *The Australian Petroleum Production and Exploration Association Journal* **45(1)**, 679. Oral and poster presentation.
 66. Summons, R. E, **George, S.C.** and Grice, K. (2005) Australian contributions to the field of organic geochemistry. In: *History of Organic Geochemistry, Division of Geochemistry*, The 229th ACS National Meeting, San Diego, California, March 13-17, 2005. Oral presentation.
 65. Volk, H., **George, S.C.**, Boreham, C. and Kempton, R.H. (2004) Feasibility of combining molecular with isotopic characterisation of fluid inclusion oils - a case history from the Perth Basin. In: *9th Conference of the Latin American Association of Organic Geochemists*. Oral presentation.
 64. Volk, H., **George, S.C.**, Dutkiewicz, A. and Ridley, J. (2004) Geochemical characterisation of Proterozoic oil trapped in fluid inclusions in sedimentary and igneous rocks in the Roper Superbasin, Australia. In: *9th Conference of the Latin American Association of Organic Geochemists*, p. 260. Poster presentation.
 63. Volk, H., **George, S.C.**, Middleton, H. and Schofield, S. (2004) Oil source rocks in the Papuan Foreland as inferred by the geochemistry of crude and fluid inclusion oils. In: *9th Conference of the Latin American Association of Organic Geochemists*, p. 28-30. Oral presentation.
 62. **George, S.C.**, Volk, H., Ahmed, M., Allan, T., Pickel, W. and Holland, D. (2004) Two sources of solid bitumens shown by biomarker evidence in the Subu wells, east Papuan Basin. In: *AAAPG-2004, 6th international conference on petroleum geochemistry and exploration in the Afro-Asian region*, 12-14 October 2004, Beijing, China, pp. 20-21. Oral presentation.
 61. Volk, H., **George, S.C.**, Ahmed, M. and Sykes, R. (2004) Variation of molecular maturity parameters in iso-rank, marine-influenced coals: A systematic study on extracts of Eocene Taranaki coals. In: *Organic matter Down Under. 21st Annual Meeting of The Society for Organic Petrology, Conference Program and Abstracts*, (eds. T.A. Moore, C.R. Ward, N. Sherwood, J.S. Esterle, H. Volk, and L.W. Gurba), pp. 191-193, TSOP, 26.9 - 1.10.2004, Sydney. Oral presentation.
 60. Pickel, W., **George, S.C.**, Volk, H. and Ahmed, M. (2004) Organic petrology and geochemistry of solid bitumens in the Eastern Papuan Basin. In: *Organic matter Down Under. 21st Annual Meeting of The Society for Organic Petrology, Conference Program and Abstracts*, (eds. T.A. Moore, C.R. Ward, N. Sherwood, J.S. Esterle, H. Volk, and L.W. Gurba), pp. 147-149, TSOP, 26.9 - 1.10.2004, Sydney. Oral presentation.
 59. **George, S.C.** and Smith, J.W. (2004) Variability of molecular source and thermal maturity indicators in a marine-influenced coal seam: the Greta Seam, Sydney Basin. In: *Organic matter Down Under. 21st Annual Meeting of The Society for Organic Petrology, Conference Program and Abstracts*, (ed. T.A. Moore, C.R. Ward, N. Sherwood, J.S. Esterle, H. Volk, and L.W. Gurba), pp. 77-78, TSOP, 26.9 - 1.10.2004, Sydney. Oral presentation. [2 GS citations]
 58. Volk, H., McIntyre, C., Batts, B.D. and **George, S.C.** (2004) Chemical composition of fuel from the hut of explorer Robert Falcon Scott, Cape Evans, Antarctica. In: *Organic matter:*

- interfaces and interactions, AOGC-IHSS Conference Program and Abstracts*, (ed. Cameron McIntyre), pp. 110-111, CSIRO Petroleum, 16-19 February 2004, Leura. Oral presentation.
57. Volk, H., **George, S.C.**, Boreham, C.J. and Hope, J. (2004) Feasibility of combining molecular with isotopic characterisation of fluid inclusion oils - a case history from the Perth Basin. In: *Organic matter: interfaces and interactions, AOGC-IHSS Conference Program and Abstracts*, (ed. Cameron McIntyre), pp. 108-109, CSIRO Petroleum, 16-19 February 2004, Leura. Oral presentation.
56. Greenwood, P., Boreham, C.J., Stalker, L.C., Van Aarsen, B., Hope, J., Sandison, C., Logan, G., Davenport, R., **George, S.C.**, Ahmed, M., Volk, H., Quezada, R.A., Sestak, S., Grice, K., Bastow, T., Wang, S. and Chidlow, G. (2004) Australian Petroleum CRC Project 5.1A: Inter-laboratory comparison of molecular and stable isotopic data commonly used in petroleum exploration studies. In: *Organic matter: interfaces and interactions, AOGC-IHSS Conference Program and Abstracts*, (ed. Cameron McIntyre), pp. 60-61, CSIRO Petroleum, 16-19 February 2004, Leura. Oral presentation.
55. **George, S.C.**, Volk, H., Ahmed, M., Quezada, R.A., Allan, T., Pickel, W. and Holland, D. (2004) Biomarker evidence for two sources of solid bitumens in the Subu wells, east Papuan Basin. In: *Organic matter: interfaces and interactions, AOGC-IHSS Conference Program and Abstracts*, (ed. Cameron McIntyre), pp. 58-59, CSIRO Petroleum, 16-19 February 2004, Leura. Oral presentation.
54. Ahmed, M., Barclay, S.A., **George, S.C.**, McDonald, B., Volk, H. and Smith, J.W. (2004) The distribution and composition of sulphur isotopes and flash pyrolysis products of solid bitumens from Papua New Guinea. In: *Organic matter: interfaces and interactions, AOGC-IHSS Conference Program and Abstracts*, (ed. Cameron McIntyre), pp. 24-25, CSIRO Petroleum, 16-19 February 2004, Leura. Oral presentation.
53. Dutkiewicz, A., Ridley, J., Volk, H., **George, S.** and Buick, R. (2004). Precambrian petroleum: new insights from oil-bearing fluid inclusions. *17th Australian Geological Convention*, 8th-13th February, Hobart, Australia, p. 71.
52. Dutkiewicz, A., **George, S.C.**, Volk, H., and Ridley, J. (2003) Geochemistry and microthermometry of ~ 1400 Million year-old oil in fluid inclusions in sedimentary and igneous rocks in the Roper Superbasin, Australia. In: *Acta Mineralogica-Petrographica Abstract Series*, **2**, pp 61-62 (eds. Júlia Dégi and Csaba Szabó), Department of Mineralogy, Geochemistry and Petrology, University of Szeged, Budapest.
51. Liu, K., **George, S.C.**, and Eadington, P.J. (2003) Predicting abundances and n-alkane profiles of oil inclusions from bulk fluorescence spectrophotometry. In: *21st International Meeting on Organic Geochemistry, Book of Abstracts Part II*, pp. 177-178, EAOG, Kraków. Poster presentation. [3 GS citations]
50. Volk, H., **George, S.C.**, and Middleton, H. (2003) Geochemical comparison of fluid inclusion and reservoir oils in the Papuan Foreland Basins - Evidence for unrecognised petroleum source rocks. In: *21st International Meeting on Organic Geochemistry, Book of Abstracts Part II*, pp. 90-91, EAOG, Kraków. Poster presentation.
49. Volk, H., Boreham, C., Hope, J., Kempton, R., and **George, S.C.** (2003) Compound specific carbon isotopic characterisation of fluid inclusion oils. In: *21st International Meeting on Organic Geochemistry, Book of Abstracts Part II*, pp. 45-46, EAOG, Kraków. Poster presentation.
48. **George, S.C.** and Ahmed, M. (2003) Variabilities in response of aromatic thermal maturity markers in the Proterozoic Middle Velkerri Formation, McArthur Basin, Australia. In: *21st International Meeting on Organic Geochemistry, Book of Abstracts Part II*, pp. 66-67, EAOG, Kraków. Poster presentation.

47. **George, S.C.**, Ahmed, M., Liu, K., and Volk, H. (2003) The analysis of oil trapped in the process of secondary migration. In: *21st International Meeting on Organic Geochemistry, Book of Abstracts Part I*, pp. 162-163, EAOG, Kraków. Oral presentation.
46. **George, S.C.**, Wilkins, R.W.T. and Boreham, C.J. (2002) A review of the evidence for expulsion of commercial quantities of oil from humic coal. In: *Emerging Concepts in Organic Petrology & Geochemistry*, Abstracts and program of the Joint Meeting of the Canadian Society for Coal Science and Organic Petrology (CSCSOP) and 19th Annual Meeting of The Society for Organic Petrology (TSOP), 31st August - 4th September, Banff, Canada. A2.2.3. Oral presentation.
45. Lisk, M., Krieger, F.W., Gartrell, A., and **George, S.C.** (2002) My life before I was compressed: fluid flow histories on the northern Australian convergent margin. In: *Deformation History, Fluid Flow Reconstruction and Reservoir Appraisal in Foreland Fold and Thrust Belts: Abstract Volume, AAPG - IFP Hedberg Research Conference*, May 14-18, 2002, Palermo-Mondello, Sicily, Italy.
44. **George, S.**, Minifie, S. and Teerman, S. (2002) Biodegradation of low molecular weight hydrocarbons in Barrow Island crude oils. *Proceedings of the 2002 Australian Organic Geochemistry Conference*, Hobart, 13-15th February 2002, pp. 35-36. Oral presentation.
43. Barclay, S. A., **George, S.C.**, Ahmed, M. and Holland, D. (2002) Organic geochemical characterisation of bitumens in the Campanian Pale Sandstone, Papua New Guinea. *Proceedings of the 2002 Australian Organic Geochemistry Conference*, Hobart, 13-15th February 2002, pp. 37-38. Oral presentation.
42. Ahmed, M. and **George, S.C.** (2002) Changes in the molecular composition of crude oils during their preparation for GC and GC-MS analyses. *Proceedings of the 2002 Australian Organic Geochemistry Conference*, Hobart, 13-15th February 2002, pp. 41-42. Oral presentation.
41. Lisk, M., Ruble, T.E., Ostoby, J., O'Brien, G., Brincat, M.P., Russell, N.J. and **George, S.** (2001) Enhanced Petroleum Systems Analysis in Frontier Basins: Integrating Geochemistry with Geoscience. Eleventh Annual V.M. Goldschmidt Conference, Abstract #3558 (Lunar and Planetary Institute, Houston).
40. **George, S.**, Volk, H., Ruble, T., Lisk, M., Ahmed, M., Liu, K., Quezada, R., Dutkiewicz, A., Brincat, M., Smart, S. and Horsfield, B. (2001) Extracting oil from fluid inclusions for geochemical analyses: size matters! In *Abstracts of the 20th International Meeting on Organic Geochemistry*, 10-14 September 2001, Nancy, France, P/TUE1/37, pp. 467-468. Poster presentation. [14 GS citations]
39. **George, S.**, Minifie, S. and Teerman, S. (2001) The effect of minor to moderate biodegradation on C₅ to C₉ hydrocarbons in crude oils. In *Abstracts of the 20th International Meeting on Organic Geochemistry*, 10-14 September 2001, Nancy, France, O/017/04, pp. 224-225. Oral presentation.
38. Wang, F., **George, S.C.**, Ahmed, M., Quezada, R. A., Liu, K., Zhang, S. and Liang, D. (2001) Validation of source kitchens and petroleum charge history of the Tazhong 4 oilfield (central uplift of Tarim Basin) using fluid inclusion data. In *Abstracts of the 20th International Meeting on Organic Geochemistry*, 10-14 September 2001, Nancy, France, P/TUE1/14, pp. 423-424. Poster presentation.
37. Wang, F., **George, S.C.**, Ahmed, M., Quezada, R. A., Liu, K., Zhang, S. and Liang, D. (2001) Validation of source kitchens and petroleum charge history in complicated basin using fluid inclusion: an example from Tazhong 4 oilfield in central uplift, Tarim Basin. *AAPG Annual Meeting*, Denver, Colorado, June 3-6, 2001. Poster presentation.
36. Ruble, T.E., Boreham, C.J., Lewan, M.D., Greenwood, P.F., Faiz, M., Sherwood, N.R., **George, S.C.**, Atkinson, I. and Adamson, K.J. (2000) Adopting a unified approach to

examine petroleum generation kinetics. *Proceedings of the 2000 Australian Organic Geochemistry Conference*, Townsville, 12-14th July 2000. Oral presentation.

35. **George, S.C.**, Williams, D.J., Wold, M.B., Pallasser, R.J., Quezada, R.A. and Wood, J. (2000) Organic geochemistry of gas emissions in the Cataract River gorge. *Proceedings of the 2000 Australian Organic Geochemistry Conference*, Townsville, 12-14th July 2000. Oral presentation.
34. **George, S.C.**, Ruble, T.E., Quezada, R.A., Ahmed, M. and Greenwood, P.F. (2000) Oil-bearing fluid inclusions: geochemical analysis techniques and geological applications. In: Skilbeck, C. G. and Hubble, T. C. T. (eds) *Understanding Planet Earth: Searching for a Sustainable Future*. Abstracts of the 15th Australian Geological Convention, University of Technology, Sydney, NSW, Australia. July 3-7, No. 59, p. 171.
33. Eadington, P.J., Lisk, M., Krieger, F.W., Brincat, M.P. and **George, S.C.** (2000) Use of fluid inclusions to locate palaeo-oil water contacts and application to investigation of petroleum systems. *SPE Applied Technology Workshop "Economic Impact Of Reservoir Geochemistry on Petroleum Exploration & Production"*. Hilton Hotel, Milan, Italy 7-10 May 2000. Poster presentation.
32. Ruble, T.E., Edwards, D.S., Lisk, M., Ahmed, M., Quezada, R.A., **George, S.C.** and Summons, R.E. (2000) Geochemical appraisal of palaeo-oil columns: implications for petroleum systems analysis in the Bonaparte Basin. AAPG Meeting, New Orleans, April 2000. *Am. Assoc. Pet. Geol. Bull.* (Abstract). Poster presentation. [3 GS citations]
31. **George, S.C.** (1999) Introduction to the special issue: proceedings of the 1998 Australian Organic Geochemistry Conference. *Organic Geochemistry* **30**, 1211.
30. Greenwood, P.F., **George, S.C.**, Al-Aroui, K. and Summons, R.E. (1999) Tasmanite oil shale, *Tasmanites*, and novel tricyclic terpenoids. In *Abstracts of the 19th International Meeting on Organic Geochemistry*, 6-10 September 1999, Istanbul, Turkey, PD36, pp. 665-666. Poster presentation.
29. **George, S.C.**, Russell, N.J., Ruble, T.E., Lisk, M. and Eadington, P.J. (1999c) The use of oil inclusion geochemistry and basin modelling for assessing oil charge history: Blackback oilfield, Gippsland Basin, Australia. In *Abstracts of the 19th International Meeting on Organic Geochemistry*, 6-10 September 1999, Istanbul, Turkey, O35A, pp. 111-112. Oral presentation.
28. Eadington, P.J., Lisk, M., Krieger, F.W., Brincat, M.P. and **George, S.C.** (1999b) Use of fluid inclusions to locate palaeo-oil water contacts and application to investigation of petroleum systems. *The Mineralogical Society of Great Britain & Ireland, Spring 1999 meeting at the National University of Ireland, Galway*, 7th-8th April, on "Hydrocarbon-bearing inclusions in crustal rocks - study methods, applications and case histories". Poster presentation.
27. Eadington, P.J., Palmer, N. and **George, S.C.** (1999) Influence of the aromatic fraction on fluorescence colour of natural oil inclusions from oil fields in Australia and Papua New Guinea. *The Mineralogical Society of Great Britain & Ireland, Spring 1999 meeting at the National University of Ireland, Galway*, 7th-8th April, on "Hydrocarbon-bearing inclusions in crustal rocks - study methods, applications and case histories". Oral presentation.
26. **George, S.C.**, Lisk, M., Ruble, T.E. and Quezada, R.A. (1999) Organic compounds trapped in aqueous fluid inclusions: a constraint on the interpretation of low molecular weight hydrocarbons in oil inclusions. *The Mineralogical Society of Great Britain & Ireland, Spring 1999 meeting at the National University of Ireland, Galway*, 7th-8th April, on "Hydrocarbon-bearing inclusions in crustal rocks - study methods, applications and case histories". Poster presentation.
25. **George, S.C.**, Ruble, T.E. and Dutkiewicz, A. (1999) The use of oil-inclusion fluorescence colours as maturity indicators: a cautionary note from molecular geochemistry data. *The*

Mineralogical Society of Great Britain & Ireland, Spring 1999 meeting at the National University of Ireland, Galway, 7th-8th April, on “Hydrocarbon-bearing inclusions in crustal rocks - study methods, applications and case histories”. Oral presentation.

24. Greenwood, P.F., **George, S.C.** and Al-Arouri, K. (1998) Novel tricyclic terpenoids from Tasmanite facies. *Proceedings of the 1998 Australian Organic Geochemistry Conference*, Canberra, 28-30th September 1998, pp. 23-25. Oral presentation.
23. **George, S.C.**, Ruble, T.E. and Dutkiewicz, A. (1998) Evaluating factors which control the fluorescence colour of oil-bearing fluid inclusions. *Proceedings of the 1998 Australian Organic Geochemistry Conference*, Canberra, 28-30th September 1998, pp. 43-45. Oral presentation.
22. Ahmed, M., Smith, J.W. and **George, S.** (1998) Effects of biodegradation on the molecular composition of Australian Permian coal. *Proceedings of the 1998 Australian Organic Geochemistry Conference*, Canberra, 28-30th September 1998, pp. 14-15. Oral presentation.
21. Ruble, T.E., Quezada, R.A., **George, S.C.** and Eadington, P.J. (1997) Correlation of oils trapped in fluid inclusions from the Cooper/Eromanga Basin System, Australia. In *Abstracts of 18th International meeting on Organic Geochemistry*, 22-26 September 1997, Maastricht, The Netherlands, C26, pp. 595-596. Poster presentation.
20. Pang, L.S.K., **George, S.C.** and Quezada, R.A. (1997) Determining the gross composition of oil-bearing fluid inclusions using HPLC. In *Abstracts of 18th International meeting on Organic Geochemistry*, 22-26 September 1997, Maastricht, The Netherlands, B91, pp. 515-516. Poster presentation.
19. Greenwood, P.F., **George, S.C.** and Hall, K. (1997) Laser micropyrolysis GC–MS: A micro–selective analytical method. In *Abstracts of 18th International meeting on Organic Geochemistry*, 22-26 September 1997, Maastricht, The Netherlands, B90, pp. 513-514. Poster presentation.
18. **George, S.C.**, Lisk, M., Ruble, T.E. and Quezada, R.A. (1997) Organic compounds trapped in aqueous fluid inclusions. In *Abstracts of 18th International meeting on Organic Geochemistry*, 22-26 September 1997, Maastricht, The Netherlands, B20, pp. 373-374. Poster presentation.
17. **George, S.C.**, Lisk, M., Summons, R.E. and Quezada, R.A. (1997) Describing the oil charge history of the South Pepper oilfield from the analysis of oil-bearing fluid inclusions. In *Abstracts of the 18th International meeting on Organic Geochemistry*, 22-26 September 1997, Maastricht, The Netherlands, O10A, pp. 21-22. Oral presentation.
16. Greenwood, P.F., **George, S.C.**, Wilson, M.A. and Hall K. (1997) Interfacing a laser microprobe to a GC-MS. *Proceedings of the 16th Australian and New Zealand Society for Mass Spectrometry*, Hobart, 2-6th February 1997. Oral presentation.
15. Smeulders, D., Wilson, M.A. **George, S.C.** and Quezada, R. (1996) An HPLC method for analysis of oil in fluid inclusions in geochemical systems. *Proceedings of the 1996 Australian Organic Geochemistry Conference* (compiled by van Aarssen, B.G.K.), Fremantle, 2-4th October 1996. Poster presentation.
14. **George, S.C.**, Quezada, R.A., Lisk, M., Greenwood, P.F., Logan, G.A., Eadington, P.J., Krieger, F.W. and Wilson, M.A. (1996) Geochemical comparison of early oil preserved in fluid inclusions with current oil charge, Jabiru Field, Vulcan Sub-basin. *Proceedings of the 1996 Australian Organic Geochemistry Conference* (compiled by van Aarssen, B.G.K.), Fremantle, 2-4th October 1996. Poster presentation.
13. Greenwood, P.F., **George, S.C.**, Wilson, M.A. and Hall K. (1996) Laser micropyrolysis gas chromatography mass spectroscopy (a new tool!) for petrographical chemistry (a new discipline!). *Proceedings of the 1996 Australian Organic Geochemistry Conference* (compiled by van Aarssen, B.G.K.), Fremantle, 2-4th October 1996. Oral presentation.

12. **George, S.**, Lisk, M. and Quezada, R.A. (1996) Low molecular weight compounds trapped in fluid inclusions: analysis by on-line crushing in Quantum MSSV. *Proceedings of the 1996 Australian Organic Geochemistry Conference* (compiled by van Aarssen, B.G. K.), Fremantle, 2-4th October 1996. Oral presentation.
11. Hall K., Greenwood, P.F., **George, S.C.** and Wilson, M.A. (1996) Laser Micropyrolysis Gas Chromatography Mass Spectrometry. *Proceedings of the 23rd Meeting British Mass Spectrometry Society*, UK, September 1996. Oral presentation.
10. **George, S.C.**, Sherwood, N., Gu, Y., Greenwood, P., Cheng, K. and Zhao, C. (1995) Molecular geochemistry of oil-generating coals from Turpan Basin, China. In *Organic Geochemistry: Developments and Applications to Energy, Climate, Environment and Human History* (Edited by Grimalt, J.O. and Dorronsoro, C.), pp. 563-565. 17th International meeting on Organic Geochemistry, San Sebastian, Spain, 4-8th September 1995. Poster presentation.
9. **George, S.C.**, Eadington, P.J. and Hamilton, P.J. (1995) Organic geochemistry of petroleum-bearing fluid inclusions in quartz grains from a Cretaceous sandstone. In *Organic Geochemistry: Developments and Applications to Energy, Climate, Environment and Human History* (Edited by Grimalt, J.O. and Dorronsoro, C.), pp. 282-283. 17th International meeting on Organic Geochemistry, San Sebastian, Spain, 4-8th September 1995. Poster presentation. [4 GS citations]
8. **George, S.**, Eadington, P.J., Quezada, R.A. and Hamilton, P.J. (1995) The analysis of oil trapped in fluid inclusions in quartz grains. *Proceedings of the 1995 Australian Organic Geochemistry Conference* (compiled by Michaelsen, B.H. and McKirdy, D.M.), Department of Geology and Geophysics, The University of Adelaide, Adelaide, 5-8th July 1995, pp. 29 (Abstract). Oral presentation.
7. **George, S.**, Sherwood, N., Gu, Y., Greenwood, P., Cheng, K. and Zhao, C. (1995) Molecular geochemistry of oil-generating coals from Turpan Basin, China. *Proceedings of the Australian Organic Geochemistry Conference* (compiled by Michaelsen, B. H. and McKirdy, D. M.), Department of Geology and Geophysics, The University of Adelaide, Adelaide, 5-8th July 1995, pp. 40 (Abstract). Poster presentation.
6. **George, S.C.** (1994) Aromatic hydrocarbon distributions in the Greta seam, Sydney Basin. Australian Organic Geochemists Conference (AOGC), 23 - 25 March 1994, Sydney. Oral presentation.
5. **George, S.C.**, Smith, J.W., Jardine, D.R. and Hamilton, P.J. (1993) The organic and isotope geochemistry of the Permian Greta coal, Australia. AAPG Meeting, New Orleans, April 1993. *Am. Assoc. Pet. Geol. Bull.* (Abstract). Oral presentation.
4. **George, S.C.**, Llorca, S.M. and Hamilton, P.J. (1992) An integrated approach for determining the origin of solid bitumens. AAPG International Meeting, Sydney, August 1992. *Am. Assoc. Pet. Geol. Bull.*, 76, 1102. (Abstract). Oral presentation.
3. **George, S.C.**, Llorca, S.M. and Hamilton, P.J. (1992) Analytical approaches for determining the origin of solid bitumens: an integrated review. Asian African Association of Petroleum Geochemists (AAPG) meeting, Melbourne, February 1992. (Abstract). Oral presentation.
2. **George, S.C.** (1989) The organic geochemistry of some heat-affected samples from the Midland Valley of Scotland. British Organic Geochemistry Society Meeting, Liverpool, 5-7th September, 1989. Oral presentation.
1. **George, S.C.** (1988) Diagenesis of a Carboniferous sandstone from the Midland Valley of Scotland. Abstracts of the 27th Annual Meeting of the British Sedimentological Research Group, Cambridge, 18-21st December 1988. Oral presentation.

PhD Thesis

George, S.C. (1990) The influence of igneous activity on the generation and accumulation of petroleum in the central area of the Midland Valley of Scotland. Unpublished Ph.D. thesis, University of Newcastle upon Tyne. [5 GS citations]

Confidential CSIRO / APCRC / Macquarie University reports

1. **George, S.C.** and Hamilton, P.J. (1991) Organic geochemistry of Trochus-1 at 1561m and 1502m. *CSIRO Division of Exploration Geoscience*, Confidential Report No. RIR 250R.
2. George, S., Llorca, S. and Hamilton, P.J. (1991) Origin of solid bitumens, Roper Group, McArthur Basin. *CSIRO Division of Exploration Geoscience*, Confidential Report No. RIR 265.
3. **George, S.C.** and Hamilton, P.J. (1992) An assessment of oil volumetrics in the mid-Velkerri of Shea-1 and Lady Penrhyn-2. *Australian Petroleum Cooperative Research Centre*, Confidential Report PE001C, 23 pp.
4. **George, S.C.**, Hatcher, G.B. and Hamilton, P. J. (1992) Spatial variability of oil volumetrics and extract characteristics in the Middle Velkerri of the McArthur Basin. *Australian Petroleum Cooperative Research Centre*, Confidential Report No. 006, 63pp.
5. **George, S.C.** and Hamilton, P.J. (1992) An assessment of oil volumetrics in the Georgina Basin. *Australian Petroleum Cooperative Research Centre*, Confidential Report No. 007, 21pp.
6. **George, S.C.** and Hamilton, P.J. (1992) Analysis of unidentified "diesel" sample. *Australian Petroleum Cooperative Research Centre*, Confidential Report No. 010, 12pp.
7. **George, S.C.** (1992) Characterisation of oil and water samples derived by pyrolysis of Middle Velkerri mudstone from Shea-1, McArthur Basin. *Australian Petroleum Cooperative Research Centre*, Confidential Report No. 011.
8. **George, S.C.** (1993) Low molecular weight compounds recovered by the closed-system crushing in a sealed container of a sample of the Middle Velkerri from Shea-1, McArthur Basin. *Australian Petroleum Cooperative Research Centre*, Confidential Report No. 012, 32pp.
9. **George, S.C.** (1993) Oil volumetrics and extract characteristics of three Middle Velkerri samples used for dispersion tests from Walton-2, McArthur Basin. *Australian Petroleum Cooperative Research Centre*, Confidential Report No. 016.
10. **George, S.C.** (1993) Characteristics of organic matter in the continuously cored Middle Velkerri, McManus-1 and Atree-2, McArthur Basin. *Australian Petroleum Cooperative Research Centre*, Confidential Report No. 017.
11. **George, S.C.**, Quezada, R.A., Pallasser, R. and Zhiguang, S. (1993) Organic and isotope geochemistry of three unidentified oil samples. *Australian Petroleum Cooperative Research Centre*, Confidential Report No. 020.
12. **George, S.C.** and Pallasser, R. (1993) Organic and isotope geochemistry of oils mixed with water and gases recovered from Shea-1 and Lady Penrhyn-2, McArthur Basin. *Australian Petroleum Cooperative Research Centre*, Confidential Report No. 030.
13. **George, S.C.**, Eadington, P.J. and Hamilton, P.J. (1994) Organic geochemistry of fluid inclusions in quartz overgrowths, Tora Sandstone, Iagifu #7X and P'nyang #2X, Papua New Guinea. *Australian Petroleum Cooperative Research Centre*, Restricted Report No. 009.
14. Pallasser, R. and **George, S.C.** (1994) Molecular and carbon isotopic composition of gases recovered from West Muiron-4 and -5. *Australian Petroleum Cooperative Research Centre*, Confidential Report No. 082.
15. **George, S.C.**, Greenwood, P. . and Eadington, P.J. (1994) Organic geochemistry of fluid inclusions in a sandstone from the Middle Jurassic, Nabarlek-1, Timor Gap. *Australian Petroleum Cooperative Research Centre*, Restricted Report No. 013.

16. Wilson, M.A., Eadington, P.J., **George, S.C.**, Krieger, F., Hamilton, P.J., Lisk, M. and Greenwood, P.F. (1995) A new methodology for tracing oil migration pathways from source to reservoir: Report demonstrating the potential of fluid inclusion analysis. *ERDC Milestone Report 2*.
17. Eadington, P.J., Lisk, M., Krieger, F., Wilson, M.A., **George, S.C.** and Greenwood, P.F. (1995) A new methodology for tracing oil migration pathways from source to reservoir: GOI values and hydrocarbon petrography of samples selected for molecular analysis. *ERDC Milestone Report 3*.
18. **George, S.C.**, Eadington, P.J., Quezada, R.A., Krieger, F.W. and Hamilton, P.J. (1995) Geochemistry of fluid inclusion oil in the Toro Sandstone, Iagifu #7X and P'nyang #2X, Papua New Guinea. *Australian Petroleum Cooperative Research Centre, Restricted Report No. 017*.
19. **George, S.C.**, Krieger, F.W. and Quezada, R.A. (1995) Geochemistry of oil trapped in fluid inclusions in the Toro Sandstone, Bujon-1, Papuan Foreland Basin. *Australian Petroleum Cooperative Research Centre, Confidential Report No. 152*.
20. **George, S.C.**, Eadington, P. and Quezada, R.A. (1996) Geochemical comparison of gas condensate and oil trapped in fluid inclusions in Jurassic sandstones, Bayu-1, ZOCA 91-13, northern Bonaparte Basin. *Australian Petroleum Cooperative Research Centre, Confidential Report No. 161*.
21. **George, S.C.**, Greenwood, P.F., Quezada, R.A., Lisk, M., Eadington, P.J., Krieger, F. and Wilson, M.A. (1996) A new methodology for tracing oil migration pathways from source to reservoir: Petroleum extraction methods from fluid inclusions. *ERDC Milestone Report 4. Australian Petroleum Cooperative Research Centre, Confidential Report No. 369*.
22. **George, S.C.**, Quezada, R.A. and Lisk, M. (1996) Geochemistry of fluid inclusion oils, Elder-1, Barrow sub-Basin. *Australian Petroleum Cooperative Research Centre, Confidential Report No. 155*.
23. **George, S.C.**, Lisk, M. and Quezada, R.A. (1996) Geochemical comparison of produced gas condensate with oil trapped in fluid inclusions from Barrow Group sandstones, East Spar-4AST1. *Australian Petroleum Cooperative Research Centre, Confidential Report No. 175*.
24. **George, S.C.**, Lisk, M. and Quezada, R.A. (1996) Geochemical composition of oil trapped in fluid inclusions from Mambayama Formation, MITI Nishi-Kubiki well. *Australian Petroleum Cooperative Research Centre, Confidential Report No. 193*.
25. Greenwood, P.F., **George, S.C.**, Quezada, R.A., Lisk, M., Krieger, F. and Eadington, P.J. (1996) A new methodology for tracing oil migration pathways from source to reservoir: Laser microcopyrolysis GC-MS instrumentation, methodology and preliminary results. *ERDC Milestone Report 5. Australian Petroleum Cooperative Research Centre, Confidential Report No. 370*.
26. Greenwood, P.F. and **George, S.C.** (1996) Pyrolysis GC-MS of silane doped cement. *Australian Petroleum Cooperative Research Centre, Confidential Report No. 202*.
27. **George, S.C.**, Quezada, R.A., Greenwood, P.F., Lisk, M., Krieger, F.W. and Eadington, P. J. (1996) A new methodology for tracing oil migration pathways from source to reservoir: Analysis of the organic compounds in oil-bearing fluid inclusions. *ERDC Milestone Report 6. Australian Petroleum Cooperative Research Centre, Confidential Report No. 371*.
28. Ruble, T.E., Quezada, R.A., Lisk, M. and **George, S.C.** (1997) Geochemical composition of oil trapped in fluid inclusions from the MITI Gotoh-Nada well. *Australian Petroleum Cooperative Research Centre, Confidential Report No. 259*.

29. Ruble, T.E., Pallasser, R., Quezada, R.A., Logan, G.A., **George, S.C.**, Lisk, M. and Eadington, P.J. (1997) A new methodology for tracing oil migration pathways from source to reservoir: Analysis of gases from fluid inclusions. *ERDC Milestone Report 8. Australian Petroleum Cooperative Research Centre*, Confidential Report No. **373**.
30. Pang, L.S.K., **George, S.C.**, Quezada, R.A., Lisk, M. and Eadington, P.J. (1997) A new methodology for tracing oil migration pathways from source to reservoir: Bulk composition of oil-bearing fluid inclusions using HPLC. *ERDC Milestone Report 7. Australian Petroleum Cooperative Research Centre*, Confidential Report No. **372**.
31. **George, S.C.**, Pallasser, R. and Quezada, R.A. (1997) Geochemical and isotopic analysis of soil, water and gas samples from Cataract Gorge. *Australian Petroleum Cooperative Research Centre*, Confidential Report No. 282.
32. **George, S.C.**, Ruble, T.E., Greenwood, P.F., Quezada, R.A., Eadington, P.J., Lisk, M., Pang, L.S.K., Krieger, F.W., Pallasser, R., Hamilton, P.J. and Wilson, M.A. (1997) A new methodology for tracing oil migration pathways from source to reservoir: main report. *Energy Research and Development Corporation (ERDC) End of Project Report. Australian Petroleum Cooperative Research Centre*, Unrestricted Report No. **020**.
33. **George, S.C.**, Williams, D.J. and Wold, M.B. (1997) Executive summary of work by CSIRO: Cataract River environmental issues. *Australian Petroleum Cooperative Research Centre Report*, 31st July 1997.
34. Ruble, T.E., Ahmed, M., Quezada, R.A., **George, S.C.**, Dutkiewicz, A., Lisk, M. and Pang, L.S.K. (1997) Geochemical composition of oils trapped in fluid inclusions and associated production oils from the Kakatua-1, Buller-1 and Buffalo-2 wells, Timor Sea. *Australian Petroleum Cooperative Research Centre*, Confidential Report No. 321.
35. Ruble, T.E., Ahmed, M., Quezada, R.A., **George, S.C.**, Dutkiewicz, A., Lisk, M. and Pang, L.S.K. (1998) Geochemical composition of oils trapped in fluid inclusions and associated production oils from the Kakatua-1 well, Timor Sea. *Australian Petroleum Cooperative Research Centre*, Confidential Report No. 322.
36. Lisk, M., **George, S.C.**, Ruble, T.E. and Quezada, R.A. (1998) Hydrocarbon migration history of Triassic sandstones from Leyden-1B/ST. *Australian Petroleum Cooperative Research Centre*, Confidential Report No. 330.
37. Ruble, T.E., Ahmed, M., Quezada, R.A., **George, S.C.**, Dutkiewicz, A., Lisk, M. and Pang, L.S.K. (1998) Geochemical composition of oils trapped in fluid inclusions and associated MDT/DST oils from the Alaria-1, Corallina-1, Laminaria-4 and -1 wells, Timor Sea. *Australian Petroleum Cooperative Research Centre*, Confidential Report No. 334.
38. **George, S.C.**, Williams, D.J. and Wold, M.B. (1998) Projected gas emissions related to future development of the Tower-Appin collieries. *Australian Petroleum Cooperative Research Centre*, Confidential Report No. 336.
39. **George, S.C.**, Pang, L.S.K. and Quezada, R.A. (1998) Geochemical analysis of Bulli Seam coal from Tower Colliery, with emphasis on low molecular weight hydrocarbons. *Australian Petroleum Cooperative Research Centre*, Confidential Report No. 345.
40. Ruble, T.E., **George, S.C.**, Ahmed, M. and Quezada, R.A. (1998) Geochemical composition of oil trapped in fluid inclusions from the Magobu Island-1 well, Papuan Basin. *Australian Petroleum Cooperative Research Centre*, Confidential Report No. 362.
41. Ruble, T.E., **George, S.C.**, Ahmed, M. and Quezada, R.A. and Dutkiewicz, A. (1998) Geochemical composition of oil trapped in fluid inclusions from the Ludmilla-1 well, Timor Sea. *CSIRO Petroleum*, Confidential Report No. 98-002.

42. Wold, M.B., Williams, D.J. and **George, S.C.** (1998) Projected gas emissions related to future development of the Tower-Appin collieries - addendum. *CSIRO Petroleum*, Confidential Report No. 98-006.
43. Ruble, T.E., Ahmed, M., Quezada, R.A., **George, S.C.**, and Lisk, M. (1998) Geochemical composition of oil trapped in fluid inclusions and an associated DST condensate from the West Tryal Rocks-2 well, Barrow Sub-basin. *CSIRO Petroleum*, Confidential Report No. 98-012.
44. **George, S.C.** (1998) Molecular geochemical comparison of Tenacious-1 crude oil and Octavius-2 inclusion oil. *CSIRO Petroleum*, Confidential Report No. 98-018.
45. **George, S.C.**, Ahmed, M. and Quezada, R.A. (1998) Analysis of dissolved organic compounds in water sample from Douglas Park #6 borehole. *CSIRO Petroleum*, Confidential Report No. 98-042.
46. Ruble, T.E., Lisk, M., Ahmed, M., Quezada, R.A., Russell, N. and **George, S.C.** (1998) Geochemical composition of fluid inclusion oils from the Torrens-1 well: implications for the timing and source of oil charge to the West Bonaparte margin. *CSIRO Petroleum*, Confidential Report No. 98-053.
47. **George, S.C.**, Ahmed, M., Quezada, R.A. and Eadington, P.J. (1999) Geochemical composition of oil trapped in fluid inclusions from the Yetagun-4 well. *CSIRO Petroleum*, Confidential Report No. 99-005.
48. Palmer, N., Eadington, P.J. and **George, S.C.** (1999) Effect of aromatic fractions on fluorescence colours of oil inclusions in samples from Australian and Papuan oil fields. *CSIRO Petroleum*, Unrestricted Report No. 99-002.
49. **George, S.C.**, Ahmed, M., Quezada, R.A. and Brincat, M.P. and Lisk, M. (1999) Geochemical composition of oil trapped in fluid inclusions from the Euryale-1 well. *CSIRO Petroleum*, Confidential Report No. 99-071.
50. **George, S.C.** (2000) Geochemistry of Barrow Island oils and relationship to reservoir compartmentalisation. *CSIRO Petroleum*, Confidential Report No. 00-007 (2 volumes).
51. **George, S.C.**, Ahmed, M. and Quezada, R. A. (2000) Geochemical composition of oil trapped in fluid inclusions from the SJ.RN.LB-1 gas well, Argentina. *CSIRO Petroleum*, Confidential Report No. 00-019.
52. **George, S.C.**, Ahmed, M. and Quezada, R.A. (2000) Geochemical composition of oil trapped in fluid inclusions from the Scaffell-1 well, WA-155-P, Carnarvon Basin. *CSIRO Petroleum*, Confidential Report No. 00-034.
53. **George, S.C.**, Ahmed, M., Quezada, R.A. and Eadington, P.J. (2000) Geochemical composition of oil trapped in fluid inclusions from Crux-1 well, AC/P 23, Timor Sea. *CSIRO Petroleum*, Confidential Report No. 00-039.
54. Volk, H., Ahmed, M., **George, S.C.**, Quezada, R.A. and Smart, S. (2000) Geochemical composition of oil trapped in fluid inclusions from Prometheus-1 well, WA-278-P, Timor Sea. *CSIRO Petroleum*, Confidential Report No. 00-053.
55. Volk, H., **George, S.C.**, and Quezada, R.A. (2001) Analysis of oil contamination in cement stabilised sand from Cobar copper mine. *CSIRO Petroleum*, Confidential Report No. 01-046.
56. Volk, H., Liu, K., **George, S.C.**, Eadington, P., Middleton, H., Quezada, R.A. and Ahmed, M. (2001) A petrographic, spectroscopic and geochemical analyses (GOI™, QGF, QGF-E, MCI and crude oil geochemistry) to elucidate the fill history of oil well Vincent-1 (Barrow Sub-basin). *CSIRO Petroleum*, Confidential Report No. 01-054.
57. **George, S.C.**, Ahmed, M. and Quezada, R.A. (2001) Analysis of organic content of brown stain to marble slab. *CSIRO Petroleum*, Confidential Report No. 01-055.

58. Volk, H., Ahmed, M., **George, S.C.**, Quezada, R.A., Middleton, H. and Allan, T. (2001) Geochemical composition of oil trapped in fluid inclusions in the Barune Sandstone, Papua New Guinea. *CSIRO Petroleum*, Confidential Report No. 00-057.
59. Allan, T.L., Barclay, S.A., **George, S.C.**, Liu, K., Middleton, H., Pickel, W. and Volk, H. (2001) A multidisciplinary evaluation of indicators for a petroleum system in the eastern Papuan Basin in the Aure Scarp region, PPL 208, Papua New Guinea. *CSIRO Petroleum*, Confidential Report No. 01-089.
60. Stalker, L., Ahmed, M., Volk, H. and **George, S.C.** (2001) Best practise document: organic geochemical methods at CSIRO Petroleum. *Australian Petroleum Cooperative Research Centre*, Unrestricted Report No. 01-001.
61. Volk, H., Quezada, R.A. and **George, S.C.** (2002) Geochemical composition of oil trapped in fluid inclusions from Leander Reef-1 and Houtman-1, Perth Basin. *CSIRO Petroleum*, Confidential Report No. 02-016.
62. **George, S.C.**, Ahmed, M. and Quezada, R.A. (2002) Preliminary report on the geochemistry of solid bitumens in the Pale Sandstone, Subu-1 well and outcrop at the Aure Scarp, East Papuan Basin. *CSIRO Petroleum*, Confidential Report No. 02-019.
63. **George, S.C.**, Volk, H., Ahmed, M., Sestak, S., Quezada, R.A., Stalker, L., Allan, T.L., Smith, J.W. and McDonald, B. (2003) The geochemistry of solid bitumens in the Subu wells, east Papuan Basin. *CSIRO Petroleum*, Confidential Report No. 03-006, 1049 pp (5 volumes).
64. **George, S.C.**, Prasad, P., Quezada, R.A., Volk, H. and Stalker, L. (2003) The geochemistry of a borewater sample from Sayers Lake. *CSIRO Petroleum*, Confidential Report No. 03-025.
65. Volk, H., **George, S.C.**, Ahmed, M., Kempton, R.H. and Quezada, R.A. (2003) Geochemical composition of oil extracted from carbonate rocks containing oil inclusions from the wells Elkedra-7A, -6 and -2 and Ross-1 (Georgina Basin, Northern Territory). *CSIRO Petroleum*, Confidential Report No. 03-024.
66. Allan, T.L., Barclay, S.A., **George, S.C.**, Liu, K., Pickel, W., Volk, H. and Zwingmann, H. (2003) Evidence for petroleum systems in the eastern Papuan Basin: A reconnaissance study. *CSIRO Petroleum*, Confidential Report No. 03-032, 17 pp.
67. **George, S.C.** and Ahmed, M. (2003) Analysis of organic swab from church font. *CSIRO Petroleum*, Confidential Report No. 03-068, 10 pp.
68. Volk, H., **George, S.C.**, Kempton, R. H. and Ahmed, M. (2004) Geochemical composition of oil trapped in fluid inclusions from Woollybutt-3A (2529.02 m; 2935-52m) and West Barrow-2 (3373-76 m). *CSIRO Petroleum*, Confidential Report No. 03-077, 196 pp.
69. **George, S.C.**, Ahmed, M., Sherwood, N.R., Quezada, R.A. and Russell, N.J. (2004) The geochemistry and organic petrology of oil shows and fine-grained rocks in Moose-1 and Moose-1ST1, East Papuan Basin. *CSIRO Petroleum*, Confidential Report No. 04-002, 419 pp (2 volumes).
70. Cope, P., Eadington, P., Volk, H., **George, S.C.**, Teinturier, S., Barclay, S.A., Verall, M., Davis, B. and Smart, S. (2004) Understanding charge histories: oil inclusion trapping & abundance in palaeo oil zones. *CSIRO Petroleum*, Confidential Report No. 04-005, 165 pp.
71. Volk, H., **George, S.C.**, Kolbe, N., Ahmed, M., Cope, P. and Quezada, R.A. (2004) Geochemical composition of oil trapped in fluid inclusions from Cossack-1 (2893.6 m) and Wanaea-1 (2832.6 m), and corresponding crude oils from Cossack-4 and Wanaea-1. *CSIRO Petroleum*, Confidential Report No. 04-006, 229 pp.

72. Volk, H., **George, S.C.**, Ahmed, M. and Quezada, R.A. (2004) Geochemical analyses on samples from frontier exploration basins in Papua New Guinea. *CSIRO Petroleum*, Confidential Report No. 04-019, 114 pp.
73. Ahmed, M., **George, S.C.**, Liu, K., Volk, H. and Quezada, R.A. (2004) The geochemical composition of oil trapped in fluid inclusions from Bilyara-1, Champagny-1, Delamere-1, Fagin-1 and Longleat-1 Wells, Vulcan Sub-basin, Timor Sea. *APCRC*, Confidential Report No. 04-01.
74. Ahmed, M., **George, S.C.** and Quezada, R.A. (2004) The geochemistry of oil shows in the Moose-2 well, East Papuan Basin. *CSIRO Petroleum*, Confidential Report No. 04-059, 237 pp (2 volumes).
75. Ahmed, M., Volk, H., **George, S.C.** and Quezada, R.A. (2004) The geochemistry of an oil seep from the Metropolitan Colliery, Sydney Basin. *CSIRO Petroleum*, Confidential Report No. 04-069, 33 pages.
76. **George, S.C.**, Sestak, S. and Pickel, W. (2004) Geochemical study using laser micropyrolysis-gas chromatography-mass spectrometry of solid bitumen hosted in limestone/dolomite core samples. *CSIRO Petroleum*, Confidential Report No. 04-034, 660 pp (3 volumes).
77. Volk, H., **George, S.C.**, Ahmed, M. and Quezada, R.A. (2004) The geochemistry of seep oils from Pangia and Yawiyo, and of an oil show in Moose-1ST1, East Papuan Basin. *CSIRO Petroleum*, Confidential Report No. 04-070, 141 pp.
78. Ahmed, M., **George, S.C.**, Quezada, R.A. and Smith, J.K. (2004) The geochemistry of samples from the Sterling Mustang-1 well and an oil seep from the Northern Ox area, East Papuan Basin. *CSIRO Petroleum*, Confidential Report No. 04-085, 146 pp.
79. Volk, H., **George, S.C.**, Ahmed, M. and Quezada, R.A. (2005) Geochemical analysis of the Hohoro-2 (2930.3-2933.4 m) first rinse QGF-E extract, Gulf of Papua. *CSIRO Petroleum*, Confidential Report No. 04-086, 46 pp.
80. Greenwood, P., Stalker, L., van Aarssen, B., Boreham, C.J., **George, S.C.**, Hope, J., Sandison, C., Logan, G., Davenport, R., Jackson, P., Ahmed, M., Volk, H., Quezada, R., Sestak, S., Grice, K., and Bastow, T. (2005) Inter-laboratory comparison of molecular and stable isotopic data commonly used in petroleum exploration studies. *Geoscience Australia*, APCRC Internal report, Final report Analytical Protocols Project 5.1, Geoscience Australia Record 2005/06, 51 pp.
81. **George, S.C.**, Volk, H., Ahmed, M., Quezada, R.A. and Ross, A.S. (2005) Geochemical composition of oil trapped in fluid inclusions from Peroba-3 (5379-5382 mRT and 3066-3069 mRT). *CSIRO Petroleum*, Confidential Report No. 05-010, 121 pages.
82. Ahmed, M., Volk, H., **George, S.C.**, Faiz, M. and Quezada, R.A. (2005) Geochemistry of an oil seep from the Tahmoor Colliery Area, southern Sydney Basin. *CSIRO Petroleum*, Confidential Report No. 05-050, 60 pp.
83. Ahmed, M., Volk, H., **George, S.C.**, Allan, T. and Quezada, R.A. (2005) Geochemistry of outcrop mudstone sample S2-LS-S22-KL (A) from the Aure Scarp, East Papuan Basin, PNG. *CSIRO Petroleum*, Confidential Report No. 05-055, 64 pp.
84. Ahmed, M., Volk, H., **George, S.C.** and Quezada, R.A. (2005) Geochemistry of Oil Shows in the Douglas DDH-3 and Douglas DDH-6 Boreholes, Douglas Park, Southern Sydney Basin. *CSIRO Petroleum*, Confidential Report No. 05-065, 87 pp.
85. **George, S.C.**, Volk, H., Thill, G., Ahmed, M., Zachariou, M., Hendry, P., Sutherland, T., Franzmann, P., Plumb, J., and Davis, G. (2005) Wealth from Oceans Theme 3 Blue GDP Stream 2: Oil and gas petroleum microbiology Due Diligence Study. *CSIRO Petroleum*, Confidential Report No. 05-051, 204 pp.

86. Ahmed, M., **George, S.C.**, Volk, H., Faiz, M.M. and Quezada, R.A. (2005) Geochemical characterization of six coals from the Appin, Tahmoor and Metropolitan Mines of the Southern Sydney Basin. *CSIRO Petroleum*, Confidential Report No. 05-041, 205 pp.

Macquarie University reports

1. Coffey, J.M., Walter, M.R., **George, S.C.** and Hill, A. (2007) Paleontology and field observations of the approximately 2720 Ma Tumbiana Formation in the northwest Pilbara, Western Australia. *Report to Geological Survey of Western Australia*. [2 GS citations]