

Simon George: Publications List, June 2021

Citations from Google Scholar (GS), 19/6/21

Google Scholar statistics: Hirsch index = 39, i10-index = 93, total citations = 4648 (Hirsch index = 24 since 2016) 19/6/21.

Scopus statistics: Hirsch index = 33, 134 papers, total citations = 2992, as of 19/6/21.

Journal Impact Factors (JIF): Web of Science, Journal Citation Reports, 2019 impact factor.

<https://jcr.clarivate.com>

Quartile ranking indicates the impact of the journal in its discipline (e.g. Q1 = the top 25 % of journals in that subject category, 2019) <http://www.scimagojr.com>

Scimago Journal Rank Indicator (SJR), 2019: <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>

Mendeley: <https://www.mendeley.com/profiles/simon-george4/>

ORCID ID: orcid.org/0000-0001-6534-3846. <http://orcid.org/0000-0001-6534-3846>

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

Total peer-reviewed papers = 150, in last 5 years (since 2016) = 58 (19/6/201)

Summary of output

Papers in peer reviewed journals (C1 publications):124

Chapters in book meeting A1 criteria (peer reviewed) (B1 publications)5

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):21

Abstracts from conferences (E3 publications):252

Confidential reports (mainly CSIRO and APCRC):87

C1 Accepted

Papers in peer reviewed journals

124. Eze, M.O., Hose, G.C., **George, S.C.**, Daniel, R. (2021) Diversity and metagenome analysis of a hydrocarbon-degrading bacterial consortium from asphalt lakes located in Wietze, Germany. *Applied Microbiology and Biotechnology Express* **11**, 89. [JIF = 2.499, Q2, SJR = 0.7, 1 GS citations]
123. Xu, H., Liu, Q., Zhu, D., Meng, Q, Jin, Z., Fu, Q. and **George, S.C.** (2021) Hydrothermal catalytic conversion and metastable equilibrium of organic compounds in the Jinding Zn/Pb ore deposit. *Geochimica et Cosmochimica Acta* **307**, 133-150. [JIF = 4.659, Q1, SJR = 2.3, 0 GS citations]
122. Li, L., Jiang, L., **George, S.C.**, Liu, Z. (2021) Aromatic compounds in lacustrine sediments from the Lower Cretaceous Jiufotang Formation, Chaoyang Basin (NE China). *Marine and Petroleum Geology* **129**, 105111. [JIF = 3.790, Q1, SJR = 1.35, 0 GS citations]
121. Campbell, B.C., Gong, S., Greenfield, P., Midgley, D.J., Paulsen, I.T., **George, S.C.** (2021) Aromatic compound-degrading taxa in an anoxic coal seam microbiome from the Surat Basin, Australia. *FEMS Microbiology Ecology* **97**, fiab053. [JIF = 3.675, Q1, SJR = 1.48, 0 GS citations]
120. Ping, H., Chen, H., Zhai, P., Zhu, J., Xiong, W., Kong, L., Gong, S., Vergara, T., **George, S.C.** (2021) Evidence for deeply buried, oil-prone source rocks in the Baiyun depression, Pearl River Mouth Basin, northern South China Sea. *AAPG Bulletin* **105**, 749-783. [JIF = 2.952, Q2, SJR = 1.37, 0 GS citations]
119. Ai, J., Zhong, N., Zhang, T., Zhang, Y., Wang, T., George, S.C. (2021) Oceanic water chemistry evolution and its implications for post-glacial black shale formation: Insights from the Cryogenian Datangpo Formation, South China. *Chemical Geology* **566**, 120083. [JIF = 3.362, Q2, SJR = 1.5, 1 GS citations]
118. Ding, W., Hou, D., Gan, J., Wu, P., Zhang, M., **George, S.C.** (2021) Palaeovegetation variation in response to the late Oligocene-early Miocene East Asian Monsoon in the Ying-Qiong Basin, South China Sea. *Palaeogeography, Palaeoclimatology, Palaeoecology* **567**, 110205. [JIF = 2.833, Q2, SJR = 1.34, 2 GS citations]
117. Li, L., Liu, Z., Jiang, L., **George, S.C.** (2021) Organic petrology and geochemistry of Lower Cretaceous lacustrine sediments in the Chaoyang Basin (Liaoning Province, northeast China): Influence of volcanic ash on algal productivity and oil shale formation. *International Journal of Coal Geology* **233**, 103653. [JIF = 5.692, Q1, SJR = 2.35, 1 GS citations]
116. Eze, M.O., **George, S.C.**, Hose, G. (2021) Dose-response analysis of diesel fuel phytotoxicity on selected plant species. *Chemosphere* **263**, 128382. [JIF = 5.778, Q1, SJR = 1.53, 4 GS citations]
115. Agbaje, O.B.A., **George, S.C.**, Zhang, Z., Brock, G.A., Holmer, L.E. (2020) Characterization of organophosphatic brachiopod shells: spectroscopic assessment of collagen matrix and biomineral components. *RSC Advances* **10**, 38456-38467. [JIF = 3.119, Q2, SJR = 0.74, 1 GS citations]
114. Eze, M.O., Hose, G.C., **George, S.C.** (2020) Assessing the effect of diesel fuel on the seed viability and germination of *Medicago sativa* using the event-time model. *Plants* **9**, 1062. [JIF = 2.762, Q1, SJR = 0.88, 1 GS citations]
113. Ping, H., Li, C., Chen, H., **George, S.C.** and Gong, S. (2020) Overpressure release: Fluid inclusion evidence for a new mechanism for the formation of heavy oil. *Geology* **48**, 803-807. [JIF = 4.768, Q1, SJR = 2.75, 1 GS citations]
112. Ping, H., Chen, H., **George, S.C.** (2020) Quantitatively predicting the thermal maturity of oil trapped in fluid inclusions based on fluorescence and molecular geochemical data of oil

- inclusions in the Dongying depression, Bohai Bay Basin, China. *AAPG Bulletin* **104**, 1751-1791. [JIF = 2.952, Q2, SJR = 1.37, 2 GS citations]
111. Jiang, L. and George, S.C. (2020) Geochemical comparison of three oil families from the Gippsland Basin, SE Australia. *Marine and Petroleum Geology* **121**, 104575. [JIF = 3.790, Q1, SJR = 1.35, 1 GS citations]
110. Jiang, L., Ding, W., **George, S.C.** (2020) Late Cretaceous–Paleogene palaeoclimate reconstruction of the Gippsland Basin, SE Australia. *Palaeogeography, Palaeoclimatology, Palaeoecology* **556**, 109885. [JIF = 2.833, Q2, SJR = 1.34, 2 GS citations]
109. Jiang, L. and **George, S.C.** (2020) Geochemical evaluation of aliphatic and aromatic hydrocarbons in Palaeogene source rocks from the Latrobe Group, Gippsland Basin, Australia. *Marine and Petroleum Geology* **120**, 104516. [JIF = 3.790, Q1, SJR = 1.35, 3 GS citations]
108. Ai, J.Y., Zhong, N.N., **George, S.C.**, Zhang, Y., Yao, L., Wang, T. (2020) Evolution of paleo-weathering during the late Neoproterozoic in South China: Implications for paleoclimatic conditions and organic carbon burial. *Palaeogeography, Palaeoclimatology, Palaeoecology* **555**, 109843. [JIF = 2.833, Q2, SJR = 1.34, 1 GS citations]
107. Li, K., **George, S.C.**, Cai, C., Zhang, X. and Tan, X. (2020) Comparison of differential diagenesis of two oolites on the Lower Triassic platform margin, NE Sichuan Basin: Implications for the co-evolution of rock structure and porosity. *Marine and Petroleum Geology* **119**, 104485. [JIF = 3.790, Q1, SJR = 1.35, 1 GS citations]
106. Li, L., Liu, Z., Sun, P., Li, Y., **George, S.C.** (2020) Sedimentary basin evolution, gravity flows, volcanism, and their impacts on oil shale formation in the Chaoyang Basin, northeastern China. *Marine and Petroleum Geology* **119**, 104472. [JIF = 3.790, Q1, SJR = 1.35, 7 GS citations]
105. Teece, B.L., **George, S.C.**, Agbaje, O. B., Jacquet, S.M., Brock, G.A. (2020) Mars Rover techniques and Lower/Middle Cambrian microbialites from South Australia: construction, biofacies and biogeochemistry. *Astrobiology* **20**, 637-657. [JIF = 4.280, Q1, SJR = 1.56, 0 GS citations]
104. Xu, H., Hou, D., Löhr, S.C., Liu, Q., **George, S.C.** (2020) Early diagenetic pyrite cementation influences molecular composition of sedimentary organic matter in the Dongying Depression, China. *Organic Geochemistry* **144**, 104019. [JIF = 3.228, Q2, SJR = 1.09, 1 GS citations]
103. Teece, B.L., **George, S.C.**, Djokic, T., Campbell, K.A., Ruff, S.W., Van Kranendonk, M.J. (2020) Biomolecules from fossilized hot spring sinters: implications for the search for life on Mars. *Astrobiology* **20**, 537-551. [JIF = 4.280, Q1, SJR = 1.56, 8 GS citations]
102. Xu, H., **George, S.C.**, Hou, D., Cao, B., Chen, X. (2020) Petroleum sources in the Xihu Depression, East China Sea: Evidence from stable carbon isotopic compositions of individual n-alkanes and isoprenoids. *Journal of Petroleum Science and Engineering* **190**, 107073. [JIF = 3.706, Q1, SJR = 1.06, 0 GS citation]
101. Eze, M.O. and **George, S.C.** (2020) Ethanol-blended petroleum fuels: implications of co-solvency for phytotechnologies. *RSC Advances* **10**, 6473-6481. [JIF = 3.119, Q2, SJR = 0.74, 4 GS citations]
100. Wang, X., Cai, T., Wen, W., Ai, J., Ai, J., Zhang, Z, Zhu, L., **George, S.C.** (2020) Surfactin for enhanced removal of aromatic hydrocarbons during biodegradation of crude oil. *Fuel* **267**, 117272. [JIF = 5.578, Q1, SJR = 1.8, 6 GS citations]
99. Ai, J.Y., **George, S.C.**, Zhong, N.N. (2020) Organic geochemical characteristics of highly mature Late Neoproterozoic black shales from South China: Reappraisal of syngeneity and indigeneity of hydrocarbon biomarkers. *Precambrian Research* **336**, 105508. [JIF = 4.427, Q1, SJR = 2.5, 3 GS citations]

98. Jiang, L. and **George, S.C.** (2019) Biomarker signatures of Upper Cretaceous Latrobe Group petroleum source rocks, Gippsland Basin, Australia. Distribution and geological significance of aromatic hydrocarbons. *Organic Geochemistry* **138**, 103905. [JIF = 3.228, Q2, SJR = 1.09, 5 GS citations]
97. Andò, S., Aharonovich, S., Hahn, A., **George, S.C.**, Clift, P.D, Garzanti, E. (2019) Integrating heavy-mineral, geochemical, and biomarker analysis of Plio-Pleistocene sandy and silty turbidites: a novel multidisciplinary approach for provenance studies (Indus Fan, IODP Expedition 355). *Geological Magazine*, <https://doi.org/10.1017/S0016756819000773>. [JIF = 2.365, Q2, SJR = 1.28, 15 GS citations]
96. Armbrrecht, L.H., Coolen, M.J.L., Lejzerowicz, F., **George, S.C.**, Negandhi, K., Suzuki, Y., Young, J., Foster, N.R., Armand, L.K., Cooper, A., Ostrowski, M., Focardi, A., Stat, M., Moreau, J.W., Weyrich, L.S. (2019) Ancient DNA from marine sediments: Precautions and considerations for seafloor coring, sample handling and data generation. *Earth-Science Reviews* **196**, 102887. [JIF = 9.724, Q1, SJR = 3.75, 23 GS citations]
95. Li, L., Liu, Z.J., **George, S.C.**, Sun, P.C., Xu, Y.B., Meng, Q.T., Wang, K.B., Wang, J.X. (2019) 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* **79**, 162-177. [JIF = 2.871, Q2, SJR = 0.73, 9 GS citations]
94. Ping, H., Chen, H., Zhai, P., Zhu, J., **George, S.C.** (2019) 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* **103**, 1401-1442. [JIF = 2.952, Q2, SJR = 1.37, 10 GS citations]
93. Baydjanova, S. and **George, S.C.** (2019) Depositional environment, organic matter sources, and variable 17 α (H)-diahopane distribution in Early Permian samples, southern Sydney Basin, Australia. *Organic Geochemistry* **131**, 60-75. [JIF = 3.228, Q2, SJR = 1.09, 5 GS citations]
92. Ping, H., Chen, H., **George, S.C.**, Li, C., Hu, S. (2019) Relationship between the fluorescence colour of oil inclusions and thermal maturity in the Dongying Depression, Bohai Bay Basin, China: Part 2. Fluorescence evolution of oil in the context of petroleum generation, expulsion and cracking under geological conditions. *Marine and Petroleum Geology* **103**, 306-319. [JIF = 3.790, Q1, SJR = 1.35, 7 GS citations]
91. Volk, H. and **George, S.C.** (2019) Using petroleum inclusions to trace petroleum systems – a review. *Organic Geochemistry* **129**, 99-123. [JIF = 3.228, Q2, SJR = 1.09, 23 GS citations]
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. [JIF = 3.790, Q1, SJR = 1.35, 8 GS citations]
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. [JIF = 4.659, Q1, SJR = 2.3, 17 GS citations]
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 = 3.228, Q2, SJR = 1.09, 9 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 = 3.790, Q1, SJR = 1.35, 12 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 = 2.952, Q2, SJR = 1.37, 9 GS citations]
85. Löhr, 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. [4 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 = 5.692, Q1, SJR = 2.35, 16 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 = 4.385, Q1, SJR = 2.34, 6 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 = 3.228, Q2, SJR = 1.09, 6 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 = 3.228, Q2, SJR = 1.09, 17 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 = 6.551, Q1, SJR = 1.66, 16 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 = 5.778, Q1, SJR = 1.53, 11 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 = 3.706, Q1, SJR = 1.06, 3 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 = 2.535, Q1, SJR = 1.12, 6 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 = 3.790, Q1, SJR = 1.35, 12 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 = 1.492, Q3, SJR = 0.62, 3 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 = 1.917, Q3, SJR = 0.48, 1 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 = 4.823, Q1, SJR = 2.941, 10 GS citations]
 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 = 4.049, Q2, SJR = 1.27, 20 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 = 3.228, Q2, SJR = 1.09, 59 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 = 3.228, Q2, SJR = 1.09, 5 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 = 3.228, Q2, SJR = 1.09, 35 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 = 4.280, Q1, SJR = 1.56, 15 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 = 3.905, Q1, SJR = 1.15, 5 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 = 9.412, Q1, SJR = 5.17, 185 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 = 4.385, Q1, SJR = 2.34, 11 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 = 3.790, Q1, SJR = 1.35, 14 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 = 3.228, Q2, SJR = 1.09, 38 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 = 3.228, Q2, SJR = 1.09, 8 GS citations]

61. Bray, P.S., Brocks, J.J. and **George, S.C.** (2014) ^{14}C Analysis of aliphatic hydrocarbon fractions from the hypersaline Lake Tyrrell, southeast Australia. *Organic Geochemistry* **73**, 29-34. [JIF = 3.228, Q2, SJR = 1.09, 3 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 = 3.228, Q2, SJR = 1.09, 30 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 = 3.790, Q1, SJR = 1.35, 21 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 = 3.228, Q2, SJR = 1.09, 37 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 = 2.830, Q1, SJR = 1.07, 8 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 = 4.659, Q1, SJR = 2.3, 22 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 = 4.427, Q1, SJR = 2.5, 30 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 = 2.833, Q2, SJR = 1.34, 47 GS citations]
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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 = 2.310, Q2, SJR = 0.98, 8 GS citations]
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B1: Chapters in book meeting A1 criteria (peer reviewed)

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E1: Full written conference papers, peer reviewed

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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]
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- Raffi, I., Persico, D., Villa, G., and the **IODP Expedition 378 Science Party** (2021) Calcareous nannofossils at IODP Site U1553, a reference paleoceanographic record for the Paleogene. *90th Conference of the Italian Geological Society*, Trieste, Italy, 14–16 September 2021.
- Agbaje, O.B.A., George, S.C., Zhang, Z., Brock, G.A., Holmer, L.E. (2021) Organic macromolecules and Ca-phosphate components in small shelly fossils: characterization and diagenesis. *150 Years Anniversary Meeting of the Geological Society of Sweden, August 2021. Your presentation is placed in Session 9, Sedimentology and Palaeontology, chaired by Lars Holmer.*
- Agbaje, O.B.A., Brock, G.A., Zhang, Z., Liang, Y., George, S.C., Holmer, L.E. (2021) Matrix macromolecules and Ca-phosphate components in the organophosphate-shelled biominerals. *Goldschmidt 2021.*
- Teece, B.L., Pejčić, B., **George, S.C.**, Soares, G.G., Barlow, E.V., Pagès, A., and van Kranendonk, M.J. (2021) Pushing the limits of detection: investigating the structure of 2.4 Ga overmature kerogen. *30th International Meeting on Organic Geochemistry (IMOG)*, 12–17 September 2021, Montpellier, France and online. Oral.
- George, S.C.**, Teece, B.L., Hartz, J, Djokic, T., Ruff, S.W., Alard, O., Campbell, K., and van Kranendonk, M.J. (2021) Biomarkers from fossilised hot spring sinters: implications for the search for life on Mars. *30th International Meeting on Organic Geochemistry (IMOG)*, 12–17 September 2021, Montpellier, France and online. Oral.

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- Yasukawa, K., Tanaka, E., Thomas, D.J., Röhl, U., Childress, L.B., and the **IODP Expedition 378 Science Party** (2021) Preliminary report of IODP Expedition 378: South Pacific Paleogene Climate. *Japan Geoscience Union Annual Meeting 2021*, May 30–June 6, 2021.
242. **George, S.C.**, Ausín, B., Childress, L.B., Röhl, U., Thomas, D.J., Hollis, C.J., Crouch, E.M., and the IODP Expedition 378 Science Party (2021) Hydrocarbons in a new early Paleocene sedimentary section recovered from the Campbell Plateau, south of New Zealand, by IODP Expedition 378. *Core to Cosmos, Australian Earth Science Convention*, 9–12 February 2021.
241. Reis, A.J., Fichtner, V., Erhardt, A.M., Röhl, U., Thomas, D.J., Childress, L. and the **IODP Expedition 378 Science Party** (2020) Carbonate Recrystallization on the Campbell Plateau: Preliminary Results from IODP Site U1553. AGU Fall Meeting 2020.
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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.
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