

Victoria Sachse

Publication List

2024

Amberg, S., Littke, R., Lutz, R., Klitzke, P. & Sachse, V. (2024) Influence of Pleistocene glaciation on petroleum systems and gas hydrate stability in the Olga basin region, Barents Sea. *Journal of Petroleum Geology* 47, 191-214. <https://doi.org/10.1111/jpg.12856>

2022

Amberg, S., Sachse, V.F., Littke, R. & Back, S. (2022) Influence of Quaternary glaciations on subsurface temperatures, pore pressures, rock properties and petroleum systems in the onshore northeastern Netherlands. *Netherlands Journal of Geosciences* 101, e10. <https://doi.org/10.1017/njg.2022.6>

Amberg, S., Back, S., Sachse, V.F. & Littke, R. (2022) Numerical 3D modeling of burial and temperature history, source rock maturity, and hydrocarbon generation in the onshore northeastern Netherlands. *International Journal of Earth Sciences* 11 (3), 1033-1055. <https://doi.org/10.1007/s00531-022-02168-3>

Back, S., Amberg, S., Sachse, V.F. & Littke, R. (2022) Reconstructing 3D subsurface salt flow. *Solid Earth* 13 (6), 1027-1043. <https://doi.org/10.5194/se-13-1027-2022>

Röth, J., Parent, A., Warren, C., Hall, L.S., Palmowski, D., Koronful, N., Husein, S.S., Sachse, V.F. & Littke, R. (2022) Lithospheric evolution, thermo-tectonic history and source-rock maturation in the Gippsland Basin, Victoria, southeastern Australia. *Australian Journal of Earth Sciences* 69 (1), 83-112. <https://doi.org/10.1080/08120099.2021.1938219>

2019

Baniasad, A., Sachse, V.F., Littke, R. & Soleimany, B. (2019) Burial, Temperature and Maturation History of Cretaceous Source Rocks in the NW Persian Gulf, Offshore SW Iran: 3d Basin Modelling. *Journal of Petroleum Geology*, 42, 2, 125-144. <https://doi.org/10.1111/jpg.12727>

2018

Sachse, V.F. & Littke, R. (2018) The impact of Quaternary glaciation on temperature and pore pressure in Jurassic troughs in the Southern Permian Basin, northern Germany. Geological Society, London, Special Publications 469, 371-398. <https://doi.org/10.1144/SP469.7>

Ghazwani, A., Littke, R., Sachse, V.F., Fink, R., Mahlstedt, N. & Hartkopf-Froeder, C. (2018) Organic geochemistry, petrology and palynofacies of Middle Devonian lacustrine flagstones in the Orcadian Basin, Scotland: depositional environment, thermal history and petroleum generation potential. *Geological Magazine*, 155,4, 773-796. <https://doi.org/10.1017/S0016756816000984>

2016

Sachse, V.F., Wenke, A., Kluth, O., Jabour, H., Zühlke, R. & Littke, R. (2016) 2D petroleum system analysis of the Tarfaya Basin, on-offshore Morocco, North Africa. *Journal of Marine and Petroleum Geology*, 77, 2, 1108-1124. <https://doi.org/10.1016/j.marpetgeo.2016.08.006>

Baniasad, A., Rabbani, A., Sachse, V.F., Littke, R., Moallemi, S.A. & Soleimany, B. (2016) 2D basin modelling study of the Binak Trough, northwestern Persian Gulf, Iran. *Marine and Petroleum Geology*, 77, 882-897. <https://doi.org/10.1016/j.marpetgeo.2016.07.025>

Ghassal, B.I., Littke, R. & Sachse, V.F. (2016) Depositional Environment and Source Rock Potential of Upper Albian to Turonian sedimentary rocks of the Tarfaya Basin, Southwest Morocco". *Geological Acta*, 14, 4, 419-441. <https://doi.org/10.1344/GeologicaActa2016.14.4.6>

Ghassal, B.I., El Atfy, H., Sachse, V.F. & Littke, R. (2016) Source rock potential of the Middle Jurassic to Middle Pliocene, onshore Nile Delta Basin, Egypt. *Arabian Journal of Geosciences*, 9, 744. <https://doi.org/10.1007/s12517-016-2768-0>

Ghazwani, A., Littke, R., Sachse, V.F., Fink, R., Mahlstedt, N. & Hartkopf-Fröder, C. (2016) Organic Geochemistry, Petrology and Palynofacies of Middle Devonian Lacustrine Flagstones in the Orcadian Basin, Scotland: Depositional Environment, Thermal History and Petroleum Generation Potential". *Geological Magazine*. <http://doi.org/10.1017/S0016756816000984>

Sachse, V.F. & Littke, R. (2016) Burial-, thermal and maturation history of the Ringkøbing-Fyn-High, Denmark: results of 1D basin modelling". *German Journal of Geology*, 167, 2-3, 249-268. <https://doi.org/10.1127/zdgg/2016/0052>

Sachse, V.F., Anka, Z., Littke, R., Rodriguez, J.F., Horsfield, B. & di Primio, R. (2016.) Burial-, temperature- and maturation histories of the Austral and western Malvinas Basin, southern Argentina, based on 3D basin modelling. *Journal of Petroleum Geology*, 39, 2, 169-191. <https://doi.org/10.1111/jpg.12639>

Mohnhoff, D., Littke, R. & Sachse, V.F. (2016) Estimates of shale gas contents in the Posidonia Shale and Wealden of the westcentral Lower Saxony Basin from high-resolution 3D numerical basin modelling. *German Journal of Geology*, 167, 2-3, 295-314. <https://doi.org/10.1127/zdgg/2016/0053>

2015

Sachse, V.F., Strozyk, F., Anka, Z., Rodriguez, J.F. & di Primio, R. (2015) The tectono-stratigraphic evolution of the Austral Basin and adjacent areas against the background of Andean tectonics, southern Argentina, South America. *Basin Research*. <http://doi.org/10.1111/bre.12118>

Grobe, A., Littke, R., Sachse, V.F. & Leythaeuser, D. (2015) Burial History and Thermal Maturity of Mesozoic Rocks of the Dolomites, Northern Italy. *Swiss Journal of Geosciences*. <http://doi.org/10.1007/s00015-015-0191-2>

2014

Sachse, V.F., Heim, S., Jabour, H., Kluth, O., Schümann, T., Aquit, M. & Littke, R. (2014) Organic geochemical characterization of Santonian to Early Campanian organic matter-rich marls (Sondage No 1 cores) as related to OAE3 from the Tarfaya Basin, Morocco. *Marine and Petroleum Geology*, 56, 290-304. <https://doi.org/10.1016/j.marpetgeo.2014.02.004>

2012

Sachse, V.F., Leythaeuser, D., Grobe, A., Rachidi, M. & Littke, R. (2012) Organic geochemistry and petrology of Jurassic source rocks from Ait Moussa, Middle Atlas, Morocco. *Journal of Petroleum Geology*, 35, 1-20. <https://doi.org/10.1111/j.1747-5457.2012.00516.x>

Sachse, V.F., Littke, R., Jabour, H., Schümann, T. & Kluth, O. (2012) Late Cretaceous (Late Turonian, Coniacian and Santonian) petroleum source rocks as part of an OAE, Tarfaya Basin, Morocco. *Marine and Petroleum Geology*, 29, 35-49. <https://doi.org/10.1016/j.marpetgeo.2011.08.014>

Sachse, V.F., Delvaux, D. & Littke, R. (2012) Petrological and geochemical investigations of potential source rocks of the Central Congo Basin, DRC. *AAPG Bulletin*, 96, 245-275. <https://doi.org/10.1016/10.1306/07121111028>

Sachse, V.F., Littke, R., Heim, S., Kluth, O., Schober, J., Boutib, L., Jabour, H., Perssen, F. & Sindern, S. (2011) Petroleum Source Rocks of the Tarfaya Basin and adjacent areas, Morocco. *Organic Geochemistry*, 42, 209-227. <https://doi.org/10.1016/j.orggeochem.2010.12.004>