

Ralf Littke

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297
papers

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87
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327
ext. papers

11,509
ext. citations

3.8
avg, IF

6.36
L-index

| # | Paper | IF | Citations |
|-----|---|------|-----------|
| 297 | The molecularly-uncharacterized component of nonliving organic matter in natural environments. <i>Organic Geochemistry</i> , 2000 , 31, 945-958 | 3.1 | 532 |
| 296 | Geological controls on the methane storage capacity in organic-rich shales. <i>International Journal of Coal Geology</i> , 2014 , 123, 34-51 | 5.5 | 483 |
| 295 | Methane and carbon dioxide adsorption/diffusion experiments on coal: upscaling and modeling. <i>International Journal of Coal Geology</i> , 2004 , 60, 151-168 | 5.5 | 343 |
| 294 | BIB-SEM study of the pore space morphology in early mature Posidonia Shale from the Hils area, Germany. <i>International Journal of Coal Geology</i> , 2012 , 103, 12-25 | 5.5 | 296 |
| 293 | Polyphase thermal evolution in the Infra-Cambrian Ara Group (South Oman Salt Basin) as deduced by maturity of solid reservoir bitumen. <i>Organic Geochemistry</i> , 2007 , 38, 1293-1318 | 3.1 | 241 |
| 292 | Evolution patterns of radiolaria and organic matter variations: A new approach to identify sea-level changes in mid-Cretaceous pelagic environments. <i>Geology</i> , 1996 , 24, 499 | 5 | 235 |
| 291 | BIB-SEM characterization of pore space morphology and distribution in postmature to overmature samples from the Haynesville and Bossier Shales. <i>Marine and Petroleum Geology</i> , 2015 , 59, 451-466 | 4.7 | 210 |
| 290 | Water column anoxia, enhanced productivity and concomitant changes in $\delta^{13}C$ and $\delta^{34}S$ across the Frasnian/Emennian boundary (Kowala Holy Cross Mountains/Poland). <i>Chemical Geology</i> , 2001 , 175, 109-131 | 4.2 | 173 |
| 289 | Experimental study of fluid transport processes in the matrix system of the European organic-rich shales: II. Posidonia Shale (Lower Toarcian, northern Germany). <i>International Journal of Coal Geology</i> , 2014 , 123, 20-33 | 5.5 | 164 |
| 288 | Occurrence and alteration of organic contaminants in seepage and leakage water from a waste deposit landfill. <i>Water Research</i> , 2002 , 36, 2275-87 | 12.5 | 164 |
| 287 | Quantification of loss of calcite, pyrite, and organic matter due to weathering of Toarcian black shales and effects on kerogen and bitumen characteristics. <i>Geochimica Et Cosmochimica Acta</i> , 1991 , 55, 3369-3378 | 5.5 | 162 |
| 286 | Gas breakthrough experiments on pelitic rocks: comparative study with N ₂ , CO ₂ and CH ₄ . <i>Geofluids</i> , 2004 , 4, 61-80 | 1.5 | 160 |
| 285 | Experimental investigation of the CO ₂ sealing efficiency of caprocks. <i>International Journal of Greenhouse Gas Control</i> , 2010 , 4, 231-241 | 4.2 | 143 |
| 284 | Generation of nitrogen and methane from sedimentary organic matter: Implications on the dynamics of natural gas accumulations. <i>Chemical Geology</i> , 1995 , 126, 291-318 | 4.2 | 141 |
| 283 | Evolution of Barnett Shale organic carbon structure and nanostructure with increasing maturation. <i>Organic Geochemistry</i> , 2014 , 71, 7-16 | 3.1 | 126 |
| 282 | Identification of specific organic contaminants for estimating the contribution of the Elbe river to the pollution of the German Bight. <i>Organic Geochemistry</i> , 2000 , 31, 1713-1731 | 3.1 | 112 |
| 281 | Development of the micro- and ultramicroporous structure of coals with rank as deduced from the accessibility to water. <i>Fuel</i> , 2005 , 84, 1645-1645 | 7.1 | 111 |

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| 280 | Modelling isotope fractionation during primary cracking of natural gas: a reaction kinetic approach. <i>Chemical Geology</i> , 1998 , 149, 235-250 | 4.2 | 105 |
| 279 | Distribution of polycyclic musks in water and particulate matter of the Lippe River (Germany). <i>Organic Geochemistry</i> , 2002 , 33, 1747-1758 | 3.1 | 101 |
| 278 | Optical thermal maturity parameters and organic geochemical alteration at low grade diagenesis to anchimetamorphism: A review. <i>International Journal of Coal Geology</i> , 2015 , 150-151, 74-119 | 5.5 | 99 |
| 277 | Organic matter maturation under the influence of a deep intrusive heat source: A natural experiment for quantitation of hydrocarbon generation and expulsion from a petroleum source rock (Toarcian shale, northern Germany). <i>Organic Geochemistry</i> , 1988 , 13, 847-856 | 3.1 | 99 |
| 276 | Anthropogenic organic contaminants in sediments of the Lippe river, Germany. <i>Water Research</i> , 2004 , 38, 3473-84 | 12.5 | 95 |
| 275 | Application of BIBSEM technology to characterize macropore morphology in coal. <i>International Journal of Coal Geology</i> , 2013 , 114, 85-95 | 5.5 | 94 |
| 274 | Development of the meso- and macroporous structure of coals with rank as analysed with small angle neutron scattering and adsorption experiments. <i>Fuel</i> , 2004 , 83, 547-556 | 7.1 | 94 |
| 273 | High thermal maturity in the Lower Saxony Basin: intrusion or deep burial?. <i>Tectonophysics</i> , 1999 , 304, 317-344 | 3.1 | 94 |
| 272 | BIB-SEM pore characterization of mature and post mature Posidonia Shale samples from the Hills area, Germany. <i>International Journal of Coal Geology</i> , 2016 , 158, 78-89 | 5.5 | 91 |
| 271 | The role of pre-adsorbed water on methane sorption capacity of Bossier and Haynesville shales. <i>International Journal of Coal Geology</i> , 2015 , 147-148, 1-8 | 5.5 | 90 |
| 270 | Organic geochemistry of freshwater and alkaline lacustrine sediments in the Green River Formation of the Washakie Basin, Wyoming, U.S.A.. <i>Organic Geochemistry</i> , 1994 , 22, 415-440 | 3.1 | 81 |
| 269 | Microscopic and sedimentologic evidence for the generation and migration of hydrocarbons in Toarcian source rocks of different maturities. <i>Organic Geochemistry</i> , 1988 , 13, 549-559 | 3.1 | 80 |
| 268 | Properties of thermally metamorphosed coal from Tanjung Enim Area, South Sumatra Basin, Indonesia with special reference to the coalification path of macerals. <i>International Journal of Coal Geology</i> , 2006 , 66, 271-295 | 5.5 | 76 |
| 267 | Geochronology of anthropogenic pollutants in riparian wetland sediments of the Lippe River (Germany). <i>Organic Geochemistry</i> , 2004 , 35, 1409-1425 | 3.1 | 71 |
| 266 | REVIEW OF MECHANICAL PROPERTIES OF OIL SHALES: IMPLICATIONS FOR EXPLOITATION AND BASIN MODELLING. <i>Oil Shale</i> , 2007 , 24, 159 | 1.2 | 69 |
| 265 | Reflectance of dispersed vitrinite in Palaeozoic rocks with and without cleavage: Implications for burial and thermal history modeling in the Devonian of Rursee area, northern Rhenish Massif, Germany. <i>International Journal of Coal Geology</i> , 2012 , 89, 41-50 | 5.5 | 67 |
| 264 | A new evaluation of palaeo-heat flows and eroded thicknesses for the Carboniferous Ruhr basin, western Germany. <i>International Journal of Coal Geology</i> , 1994 , 26, 155-183 | 5.5 | 67 |
| 263 | Organic geochemistry and petrography of Lower Cretaceous Wealden black shales of the Lower Saxony Basin: The transition from lacustrine oil shales to gas shales. <i>Organic Geochemistry</i> , 2013 , 63, 18-36 | 3.1 | 65 |

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| 262 | Aromatic hydrocarbon biomarkers in terrestrial organic matter of Devonian to Permian age. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2006 , 240, 253-274 | 2.9 | 63 |
| 261 | High pressure methane sorption characteristics of lacustrine shales from the Midland Valley Basin, Scotland. <i>Fuel</i> , 2016 , 182, 361-372 | 7.1 | 63 |
| 260 | Petrology and genesis of Upper Carboniferous seams from the Ruhr region, West Germany. <i>International Journal of Coal Geology</i> , 1987 , 7, 147-184 | 5.5 | 62 |
| 259 | Microfacies and depositional environment of Tertiary Tanjung Enim low rank coal, South Sumatra Basin, Indonesia. <i>International Journal of Coal Geology</i> , 2005 , 61, 197-221 | 5.5 | 61 |
| 258 | Early diagenetic alteration of organic matter by sulfate reduction in Quaternary sediments from the northeastern Arabian Sea. <i>Marine Geology</i> , 1999 , 158, 1-13 | 3.3 | 61 |
| 257 | Comparative study of organic matter preservation in immature sediments along the continental margins of Peru and Oman. Part I: Results of petrographical and bulk geochemical data. <i>Organic Geochemistry</i> , 1996 , 24, 437-451 | 3.1 | 61 |
| 256 | Limits to the sealing capacity of rock salt: A case study of the infra-Cambrian Ara Salt from the South Oman salt basin. <i>AAPG Bulletin</i> , 2007 , 91, 1541-1557 | 2.5 | 59 |
| 255 | Methane released from groundwater: the source of natural gas accumulations in northern West Siberia. <i>Marine and Petroleum Geology</i> , 1999 , 16, 225-244 | 4.7 | 59 |
| 254 | Evolution of Pennsylvanian (Late Carboniferous) peat swamps of the Ruhr Basin, Germany: Comparison of palynological, coal petrographical and organic geochemical data. <i>International Journal of Coal Geology</i> , 2010 , 83, 346-365 | 5.5 | 56 |
| 253 | Mineralogy and geochemistry of Mississippian and Lower Pennsylvanian Black Shales at the Northern Margin of the Variscan Mountain Belt (Germany and Belgium). <i>International Journal of Coal Geology</i> , 2012 , 103, 92-108 | 5.5 | 55 |
| 252 | Keys to the depositional history of the Posidonia Shale (Toarcian) in the Hils Syncline, northern Germany. <i>Geological Society Special Publication</i> , 1991 , 58, 311-333 | 1.7 | 53 |
| 251 | Petroleum source rocks of the Tarfaya Basin and adjacent areas, Morocco. <i>Organic Geochemistry</i> , 2011 , 42, 209-227 | 3.1 | 52 |
| 250 | Numerical modelling of burial and temperature history as an approach for an alternative interpretation of the Bramsche anomaly, Lower Saxony Basin. <i>International Journal of Earth Sciences</i> , 2006 , 95, 204-224 | 2.2 | 52 |
| 249 | Comparative organic petrology of interlayered sandstones, siltstones, mudstones and coals in the Upper Carboniferous Ruhr basin, Northwest Germany, and their thermal history and methane generation. <i>International Journal of Earth Sciences</i> , 1989 , 78, 375-390 | 2.2 | 51 |
| 248 | SOURCE-ROCK EVALUATION AND BASIN MODELLING IN NE EGYPT (NE NILE DELTA AND NORTHERN SINAI). <i>Journal of Petroleum Geology</i> , 2006 , 29, 103-124 | 1.9 | 49 |
| 247 | Characteristics of type III kerogen in coal-bearing strata from the Pennsylvanian (Upper Carboniferous) in the Ruhr Basin, Western Germany: Comparison of coals, dispersed organic matter, kerogen concentrates and coal-mineral mixtures. <i>International Journal of Coal Geology</i> , 2009 , 80, 1-19 | 5.5 | 48 |
| 246 | Late Cretaceous (Late Turonian, Coniacian and Santonian) petroleum source rocks as part of an OAE, Tarfaya Basin, Morocco. <i>Marine and Petroleum Geology</i> , 2012 , 29, 35-49 | 4.7 | 47 |
| 245 | The anthropogenic contribution to the organic load of the Lippe River (Germany). Part I: Qualitative characterisation of low-molecular weight organic compounds. <i>Chemosphere</i> , 2004 , 57, 1275-88 | 8.4 | 46 |

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| 244 | Numerical simulation of the thermal maturation, oil generation and migration in the Songliao Basin, Northeastern China. <i>Marine and Petroleum Geology</i> , 1999 , 16, 771-792 | 4.7 | 46 |
| 243 | Organic geochemistry of the Lower Suban coal seam, South Sumatra Basin, Indonesia: Palaeoecological and thermal metamorphism implications. <i>Organic Geochemistry</i> , 2006 , 37, 261-279 | 3.1 | 45 |
| 242 | New information on the thermal history of the southwestern Lower Saxony Basin, northern Germany, based on fission track analysis. <i>International Journal of Earth Sciences</i> , 2005 , 94, 876-896 | 2.2 | 45 |
| 241 | Investigation of the pyrolytic liberation of molecular nitrogen from Palaeozoic sedimentary rocks. <i>International Journal of Earth Sciences</i> , 2005 , 94, 1023-1038 | 2.2 | 45 |
| 240 | Constraints on the diagenesis, stratigraphy and internal dynamics of the surface-piercing salt domes in the Ghaba Salt Basin (Oman): A comparison to the Ara Group in the South Oman Salt Basin. <i>Geoarabia</i> , 2009 , 14, 83-120 | | 45 |
| 239 | The Miocene coal seams in the Soma Basin (W. Turkey): Insights from coal petrography, mineralogy and geochemistry. <i>International Journal of Coal Geology</i> , 2017 , 173, 110-128 | 5.5 | 44 |
| 238 | Characterizing coal cleats from optical measurements for CBM evaluation. <i>International Journal of Coal Geology</i> , 2016 , 154-155, 176-192 | 5.5 | 44 |
| 237 | Petroleum system evolution in the inverted Lower Saxony Basin, northwest Germany: a 3D basin modeling study. <i>Geofluids</i> , 2013 , 13, 246-271 | 1.5 | 42 |
| 236 | DDT-related compounds bound to the nonextractable particulate matter in sediments of the Teltow Canal, Germany. <i>Environmental Science & Technology</i> , 2003 , 37, 488-95 | 10.3 | 41 |
| 235 | Hydrocarbon-bearing fluid inclusions in calcite-filled horizontal fractures from mature Posidonia Shale (Hils Syncline, NW Germany). <i>Ore Geology Reviews</i> , 1995 , 9, 363-370 | 3.2 | 41 |
| 234 | Petrographic and geochemical characterization of microfacies in a lacustrine shale oil system in the Dongying Sag, Jiyang Depression, Bohai Bay Basin, eastern China. <i>International Journal of Coal Geology</i> , 2016 , 165, 49-63 | 5.5 | 41 |
| 233 | Shale oil potential and thermal maturity of the Lower Toarcian Posidonia Shale in NW Europe. <i>International Journal of Coal Geology</i> , 2015 , 150-151, 127-153 | 5.5 | 40 |
| 232 | Mikroskopische und makroskopische Unterschiede zwischen Profilen unreifen und reifen Posidonienschiefers aus der Hilsmulde. <i>Facies</i> , 1987 , 17, 171-179 | 1.8 | 40 |
| 231 | Geochemical effects of petroleum migration and expulsion from Toarcian source rocks in the Hils syncline area, NW-Germany. <i>Organic Geochemistry</i> , 1988 , 13, 489-502 | 3.1 | 40 |
| 230 | Petroleum generation and accumulation in the Golfo San Jorge Basin, Argentina: a basin modeling study. <i>Marine and Petroleum Geology</i> , 2001 , 18, 995-1028 | 4.7 | 39 |
| 229 | Petroleum generation and migration in coal seams of the Carboniferous Ruhr Basin, northwest Germany. <i>Organic Geochemistry</i> , 1990 , 16, 247-258 | 3.1 | 39 |
| 228 | Miocene depositional environment and climate in western Europe: The lignite deposits of the Lower Rhine Basin, Germany. <i>International Journal of Coal Geology</i> , 2016 , 157, 2-18 | 5.5 | 38 |
| 227 | Thermal evolution and shale gas potential estimation of the Wealden and Posidonia Shale in NW-Germany and the Netherlands: a 3D basin modelling study. <i>Basin Research</i> , 2016 , 28, 2-33 | 3.2 | 38 |

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| 226 | Structural modifications of vitrinite and alginite concentrates during pyrolytic maturation at different heating rates. A combined infrared, ¹³ C NMR and microscopical study. <i>Organic Geochemistry</i> , 1990 , 16, 943-950 | 3.1 | 38 |
| 225 | Geochemical and petrophysical source rock characterization of the Vaca Muerta Formation, Argentina: Implications for unconventional petroleum resource estimations. <i>International Journal of Coal Geology</i> , 2017 , 184, 27-41 | 5.5 | 37 |
| 224 | SOURCE ROCK POTENTIAL OF THE UPPER JURASSIC □ LOWER CRETACEOUS SUCCESSION IN THE SOUTHERN MESOPOTAMIAN BASIN, SOUTHERN IRAQ. <i>Journal of Petroleum Geology</i> , 2011 , 34, 117-134 | 1.9 | 37 |
| 223 | Origins of CO ₂ in permian carbonate reservoir rocks (Zechstein, Ca ₂) of the NW-German Basin (Lower Saxony). <i>Chemical Geology</i> , 2006 , 227, 184-213 | 4.2 | 37 |
| 222 | Mudstone compaction and its influence on overpressure generation, elucidated by a 3D case study in the North Sea. <i>International Journal of Earth Sciences</i> , 2005 , 94, 956-978 | 2.2 | 37 |
| 221 | Geochemistry, origin and correlation of crude oils in Lower Cretaceous sedimentary sequences of the southern Mesopotamian Basin, southern Iraq. <i>Organic Geochemistry</i> , 2012 , 46, 113-126 | 3.1 | 36 |
| 220 | Palaeoecologic trends and petroleum potential of Upper carboniferous coal seams of western Germany as revealed by their petrographic and organic geochemical characteristics. <i>International Journal of Coal Geology</i> , 1989 , 13, 529-574 | 5.5 | 36 |
| 219 | Evolution of petrophysical properties of oil shales during high-temperature compaction tests: Implications for petroleum expulsion. <i>Marine and Petroleum Geology</i> , 2012 , 31, 110-124 | 4.7 | 35 |
| 218 | Hydrocarbon distribution in coals and in dispersed organic matter of different maceral compositions and maturities. <i>International Journal of Earth Sciences</i> , 1989 , 78, 391-410 | 2.2 | 35 |
| 217 | Tectono-thermal evolution of Oman's Mesozoic passive continental margin under the obducting Semail Ophiolite: a case study of Jebel Akhdar, Oman. <i>Solid Earth</i> , 2019 , 10, 149-175 | 3.3 | 34 |
| 216 | Halite cementation and carbonate diagenesis of intra-salt reservoirs from the Late Neoproterozoic to Early Cambrian Ara Group (South Oman Salt Basin). <i>Sedimentology</i> , 2009 , 56, 567-589 | 3.3 | 34 |
| 215 | Geochemical and petrographic characterization of Campanian □ Lower Maastrichtian calcareous petroleum source rocks of Hasbayya, South Lebanon. <i>Marine and Petroleum Geology</i> , 2015 , 64, 304-323 | 4.7 | 33 |
| 214 | Methane sorption and storage characteristics of organic-rich carbonaceous rocks, Lorestan province, southwest Iran. <i>International Journal of Coal Geology</i> , 2018 , 186, 51-64 | 5.5 | 32 |
| 213 | Gas saturation and CO ₂ enhancement potential of coalbed methane reservoirs as a function of depth. <i>AAPG Bulletin</i> , 2014 , 98, 395-420 | 2.5 | 32 |
| 212 | Organic Petrology of Deep Sea Sediments: A Compilation of Results from the Ocean Drilling Program and the Deep Sea Drilling Project. <i>Energy & Fuels</i> , 1994 , 8, 1498-1512 | 4.1 | 32 |
| 211 | Maturity-related compositional changes in the low-molecular-weight hydrocarbon fraction of Toarcian shales. <i>Organic Geochemistry</i> , 1988 , 13, 887-892 | 3.1 | 32 |
| 210 | Artificial thermal maturation of source rocks at different thermal maturity levels: Application to the Triassic Montney and Doig formations in the Western Canada Sedimentary Basin. <i>Organic Geochemistry</i> , 2016 , 97, 148-162 | 3.1 | 32 |
| 209 | Organic geochemistry and petrology of Posidonia Shale (Lower Toarcian, Western Europe) □ The evolution from immature oil-prone to overmature dry gas-producing kerogen. <i>International Journal of Coal Geology</i> , 2017 , 176-177, 36-48 | 5.5 | 31 |

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| 208 | Multiphase Structural Evolution of a Continental Margin During Obduction Orogeny: Insights From the Jebel Akhdar Dome, Oman Mountains. <i>Tectonics</i> , 2018 , 37, 888-913 | 4.3 | 31 |
| 207 | Source rock potential and paleoenvironment of the Miocene Rudeis and Kareem Formations, Gulf of Suez, Egypt: An integrated palynofacies and organic geochemical approach. <i>International Journal of Coal Geology</i> , 2014 , 131, 326-343 | 5.5 | 31 |
| 206 | Thermal History of Sedimentary Basins 1997 , 71-167 | | 31 |
| 205 | Organic matter preservation and sulfur uptake in sediments from the continental margin off Pakistan. <i>Organic Geochemistry</i> , 2002 , 33, 477-488 | 3.1 | 31 |
| 204 | Methane exchange between coal-bearing basins and the atmosphere: the Ruhr Basin and the Lower Rhine Embayment, Germany. <i>Organic Geochemistry</i> , 2000 , 31, 1387-1408 | 3.1 | 31 |
| 203 | Pore structure, gas storage and matrix transport characteristics of lacustrine Newark shale. <i>Marine and Petroleum Geology</i> , 2018 , 97, 525-539 | 4.7 | 30 |
| 202 | Flow-through extraction of oil and gas shales under controlled stress using organic solvents: Implications for organic matter-related porosity and permeability changes with thermal maturity. <i>International Journal of Coal Geology</i> , 2016 , 157, 84-99 | 5.5 | 29 |
| 201 | Organic geochemistry of the Lower Toarcian Posidonia Shale in NW Europe. <i>Organic Geochemistry</i> , 2017 , 106, 76-92 | 3.1 | 29 |
| 200 | Unconventional Gas Resources in the Paleozoic of Central Europe. <i>Oil and Gas Science and Technology</i> , 2011 , 66, 953-977 | 1.9 | 29 |
| 199 | Factors controlling the thermo-mechanical deformation of oil shales: Implications for compaction of mudstones and exploitation. <i>Marine and Petroleum Geology</i> , 2006 , 23, 715-734 | 4.7 | 29 |
| 198 | Reaction kinetics of gas generation in selected source rocks of the West Siberian Basin: implications for the mass balance of early-thermogenic methane. <i>Chemical Geology</i> , 1999 , 156, 41-65 | 4.2 | 29 |
| 197 | Organic geochemistry of Duckmantian (Pennsylvanian) coals from the Ruhr Basin, western Germany. <i>International Journal of Coal Geology</i> , 2013 , 107, 112-126 | 5.5 | 28 |
| 196 | Fluid systems and basin evolution of the western Lower Saxony Basin, Germany. <i>Geofluids</i> , 2007 , 7, 335-355 | 1.5 | 28 |
| 195 | The anthropogenic contribution to the organic load of the Lippe River (Germany). Part II: Quantification of specific organic contaminants. <i>Chemosphere</i> , 2004 , 57, 1289-300 | 8.4 | 28 |
| 194 | On-line pyrolysis-GC-IRMS: isotope fractionation of thermally generated gases from coals. <i>Fuel</i> , 2001 , 80, 2139-2153 | 7.1 | 28 |
| 193 | A study of the Holzener Asphaltkalk, northern Germany: observations regarding the distribution, composition and origin of organic matter in an exhumed petroleum reservoir. <i>Marine and Petroleum Geology</i> , 1991 , 8, 198-211 | 4.7 | 28 |
| 192 | Chemical and structural changes in vitrinites and megaspores from Carboniferous coals during maturation. <i>International Journal of Coal Geology</i> , 2018 , 185, 91-102 | 5.5 | 27 |
| 191 | Organic-geochemical characterisation of sediments from the Sakoa coalfield, Madagascar. <i>Organic Geochemistry</i> , 1990 , 16, 235-246 | 3.1 | 27 |

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| 190 | Paleozoic petroleum systems of Saudi Arabia: a basin modeling approach. <i>Georabia</i> , 2005 , 10, 131-168 | | 27 |
| 189 | Organic facies variability in the Posidonia Black Shale from Luxembourg: Implications for thermal maturation and depositional environment. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2014 , 410, 316-336 | 2.9 | 26 |
| 188 | Basin modeling meets rift analysis – A numerical modeling study from the Jeanne d'Arc basin, offshore Newfoundland, Canada. <i>Marine and Petroleum Geology</i> , 2010 , 27, 585-599 | 4.7 | 26 |
| 187 | Thermal history and source rock characterization of a Paleozoic section in the Awbari Trough, Murzuq Basin, SW Libya. <i>Marine and Petroleum Geology</i> , 2010 , 27, 612-632 | 4.7 | 26 |
| 186 | A preliminary evaluation of the CO ₂ storage potential in unminable coal seams of the Münster Cretaceous Basin, Germany. <i>International Journal of Greenhouse Gas Control</i> , 2008 , 2, 329-341 | 4.2 | 26 |
| 185 | MASS BALANCE CALCULATIONS FOR DIFFERENT MODELS OF HYDROCARBON MIGRATION IN THE JEANNE D'ARC BASIN, OFFSHORE NEWFOUNDLAND. <i>Journal of Petroleum Geology</i> , 2011 , 34, 181-198 | 1.9 | 25 |
| 184 | Basin modelling of the Limón Back-arc Basin (Costa Rica): burial history and temperature evolution of an island arc-related basin-system. <i>Basin Research</i> , 2008 , 20, 119-142 | 3.2 | 25 |
| 183 | 2D-modelling of the thermal evolution of Carboniferous and Devonian sedimentary rocks of the eastern Ruhr basin and northern Rhenish Massif, Germany. <i>Zeitschrift Der Deutschen Geologischen Gesellschaft</i> , 1995 , 146, 321-339 | | 25 |
| 182 | New basin modelling results from the Polish part of the Central European Basin system: implications for the Late Cretaceous/Early Paleogene structural inversion. <i>International Journal of Earth Sciences</i> , 2008 , 97, 955-972 | 2.2 | 24 |
| 181 | Halogenated compounds in a dated sediment core of the Teltow Canal, Berlin: time related sediment contamination. <i>Chemosphere</i> , 2005 , 61, 1427-38 | 8.4 | 24 |
| 180 | Solid bitumen in calcite veins from the Natih Formation in the Oman Mountains: Multiple phases of petroleum migration in a changing stress field. <i>International Journal of Coal Geology</i> , 2016 , 157, 39-51 | 5.5 | 23 |
| 179 | Highly aromatic character of biogeomacromolecules in Chitinozoa: A spectroscopic and pyrolytic study. <i>Organic Geochemistry</i> , 2007 , 38, 1625-1642 | 3.1 | 23 |
| 178 | Late- and post-Variscan cooling and exhumation history of the northern Rhenish massif and the southern Ruhr Basin: new constraints from fission-track analysis. <i>International Journal of Earth Sciences</i> , 2005 , 94, 180-192 | 2.2 | 23 |
| 177 | Does coal mining induce methane emissions through the lithosphere/atmosphere boundary in the Ruhr Basin, Germany?. <i>Journal of Geochemical Exploration</i> , 2001 , 74, 219-231 | 3.8 | 23 |
| 176 | Source rock potential and depositional environment of Upper Cretaceous sedimentary rocks, Abu Gharadig Basin, Western Desert, Egypt: An integrated palynological, organic and inorganic geochemical study. <i>International Journal of Coal Geology</i> , 2018 , 186, 14-40 | 5.5 | 23 |
| 175 | Measuring the effective diffusion coefficient of dissolved hydrogen in saturated Boom Clay. <i>Applied Geochemistry</i> , 2015 , 61, 175-184 | 3.5 | 22 |
| 174 | Alteration of organic material during maturation: A pyrolytic and infrared spectroscopic study of isolated bisaccate pollen and total organic matter (Lower Jurassic, Hils Syncline, Germany). <i>Organic Geochemistry</i> , 2013 , 59, 22-36 | 3.1 | 22 |
| 173 | The Central European Basin System – An Overview 2008 , 16-34 | | 22 |

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| 172 | DEPOSITIONAL ENVIRONMENT AND SOURCE-ROCK CHARACTERISATION OF ORGANIC-MATTER RICH UPPER SANTONIAN (UPPER CAMPANIAN CARBONATES, NORTHERN LEBANON. <i>Journal of Petroleum Geology</i> , 2014 , 37, 5-24 | 1.9 | 21 |
| 171 | The Cenomanian/Turonian Boundary Event in the Indian Ocean: a Key to Understand the Global Picture. <i>Geophysical Monograph Series</i> , 2013 , 253-273 | 1.1 | 21 |
| 170 | Petroleum generation and migration in the Tight Gas Area of the German Rotliegend natural gas play: a basin modelling study. <i>Petroleum Geoscience</i> , 2007 , 13, 37-62 | 1.9 | 21 |
| 169 | Coalification pattern and thermal modelling of the Permo-Carboniferous Saar Basin (SW-Germany). <i>International Journal of Coal Geology</i> , 2000 , 42, 273-296 | 5.5 | 21 |
| 168 | Quantification of Organic Matter Degradation by Microbial Sulphate Reduction for Quaternary Sediments from the Northern Arabian Sea. <i>Die Naturwissenschaften</i> , 1997 , 84, 312-5 | 2 | 20 |
| 167 | Characterisation of non-extractable macromolecular organic matter in Palaeozoic coals. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2006 , 240, 275-304 | 2.9 | 20 |
| 166 | Monitoring of waste deposit derived groundwater contamination with organic tracers. <i>Environmental Chemistry Letters</i> , 2004 , 2, 21-25 | 13.3 | 20 |
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