

Ralf Littke

List of Publications by Year in descending order

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312
papers

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28242

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327
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docs citations

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times ranked

7515
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#	ARTICLE	IF	CITATIONS
1	Geological controls on the methane storage capacity in organic-rich shales. <i>International Journal of Coal Geology</i> , 2014, 123, 34-51.	1.9	626
2	The molecularly-uncharacterized component of nonliving organic matter in natural environments. <i>Organic Geochemistry</i> , 2000, 31, 945-958.	0.9	618
3	Methane and carbon dioxide adsorption—diffusion experiments on coal: upscaling and modeling. <i>International Journal of Coal Geology</i> , 2004, 60, 151-168.	1.9	395
4	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.	1.9	364
5	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.	0.9	301
6	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.	2.0	284
7	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.	1.5	275
8	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.	1.9	204
9	Water column anoxia, enhanced productivity and concomitant changes in $\delta^{13}\text{C}$ and $\delta^{34}\text{S}$ across the Frasnian—Famennian boundary (Kowala — Holy Cross Mountains/Poland). <i>Chemical Geology</i> , 2001, 175, 109-131.	1.4	195
10	Occurrence and alteration of organic contaminants in seepage and leakage water from a waste deposit landfill. <i>Water Research</i> , 2002, 36, 2275-2287.	5.3	191
11	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.	1.6	187
12	Gas breakthrough experiments on pelitic rocks: comparative study with N_2 , CO_2 and CH_4 . <i>Geofluids</i> , 2004, 4, 61-80.	0.3	187
13	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.	1.4	183
14	Evolution of Barnett Shale organic carbon structure and nanostructure with increasing maturation. <i>Organic Geochemistry</i> , 2014, 71, 7-16.	0.9	170
15	Experimental investigation of the CO_2 sealing efficiency of caprocks. <i>International Journal of Greenhouse Gas Control</i> , 2010, 4, 231-241.	2.3	167
16	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.	1.9	145
17	BIB-SEM pore characterization of mature and post mature Posidonia Shale samples from the Hils area, Germany. <i>International Journal of Coal Geology</i> , 2016, 158, 78-89.	1.9	127
18	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.	0.9	125

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19	Modelling isotope fractionation during primary cracking of natural gas: a reaction kinetic approach. <i>Chemical Geology</i> , 1998, 149, 235-250.	1.4	124
20	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.	1.9	123
21	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.	3.4	121
22	Application of BIBa€SEM technology to characterize macropore morphology in coal. <i>International Journal of Coal Geology</i> , 2013, 114, 85-95.	1.9	120
23	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) Tj ETQq1 1 0.784914 rgBT10 Overlock	1.9	119
24	Anthropogenic organic contaminants in sediments of the Lippe river, Germany. <i>Water Research</i> , 2004, 38, 3473-3484.	5.3	118
25	Distribution of polycyclic musks in water and particulate matter of the Lippe River (Germany). <i>Organic Geochemistry</i> , 2002, 33, 1747-1758.	0.9	114
26	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.	3.4	110
27	High thermal maturity in the Lower Saxony Basin: intrusion or deep burial?. <i>Tectonophysics</i> , 1999, 304, 317-344.	0.9	106
28	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.	0.9	105
29	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.	0.9	100
30	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.	1.9	93
31	REVIEW OF MECHANICAL PROPERTIES OF OIL SHALES: IMPLICATIONS FOR EXPLOITATION AND BASIN MODELLING. <i>Oil Shale</i> , 2007, 24, 159.	0.5	86
32	Geochronology of anthropogenic pollutants in riparian wetland sediments of the Lippe River (Germany). <i>Organic Geochemistry</i> , 2004, 35, 1409-1425.	0.9	85
33	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.	0.9	85
34	High pressure methane sorption characteristics of lacustrine shales from the Midland Valley Basin, Scotland. <i>Fuel</i> , 2016, 182, 361-372.	3.4	85
35	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.	1.9	81
36	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.	1.9	81

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37	Aromatic hydrocarbon biomarkers in terrestrial organic matter of Devonian to Permian age. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2006, 240, 253-274.	1.0	79
38	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.	0.9	75
39	Methane released from groundwater: the source of natural gas accumulations in northern West Siberia. <i>Marine and Petroleum Geology</i> , 1999, 16, 225-244.	1.5	74
40	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.	1.9	73
41	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.	1.9	72
42	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.	0.8	70
43	Petrology and genesis of Upper Carboniferous seams from the Ruhr region, West Germany. <i>International Journal of Coal Geology</i> , 1987, 7, 147-184.	1.9	69
44	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.	0.9	69
45	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.	0.7	67
46	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.	1.9	67
47	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.	0.9	65
48	Thermal History of Sedimentary Basins. , 1997, , 71-167.		63
49	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.	0.9	62
50	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.	1.5	62
51	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.	1.5	60
52	Characteristics of type III kerogen in coal-bearing strata from the Pennsylvanian (Upper) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 152 Td (C kerogen concentrates and coalâ€“mineral mixtures. <i>International Journal of Coal Geology</i> , 2009, 80, 1-19.	1.9	60
53	Petroleum system evolution in the inverted <sc>L</sc>ower <sc>S</sc>axony <sc>B</sc>asin, <sc>n</sc>orthwest <sc>G</sc>ermany: a 3<sc>D</sc> basin modeling study. <i>Geofluids</i> , 2013, 13, 246-271.	0.3	60
54	Characterizing coal cleats from optical measurements for CBM evaluation. <i>International Journal of Coal Geology</i> , 2016, 154-155, 176-192.	1.9	60

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55	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.	0.9	59
56	Petroleum source rocks of the Tarfaya Basin and adjacent areas, Morocco. <i>Organic Geochemistry</i> , 2011, 42, 209-227.	0.9	58
57	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.	1.9	58
58	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.	1.3	57
59	Constraints on the diagenesis, stratigraphy and internal dynamics of the surface-piercing salt domes in the Chaba Salt Basin (Oman): A comparison to the Ara Group in the South Oman Salt Basin. <i>Georabia</i> , 2009, 14, 83-120.	1.6	57
60	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.	1.9	56
61	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.	1.9	56
62	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.	0.9	55
63	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.	0.9	55
64	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, 1275-1288.	4.2	54
65	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.	1.9	54
66	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.	1.9	54
67	Investigation of the pyrolytic liberation of molecular nitrogen from Palaeozoic sedimentary rocks. <i>International Journal of Earth Sciences</i> , 2005, 94, 1023-1038.	0.9	52
68	DDT-Related Compounds Bound to the Nonextractable Particulate Matter in Sediments of the Teltow Canal, Germany. <i>Environmental Science & Technology</i> , 2003, 37, 488-495.	4.6	51
69	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.	0.9	51
70	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.	0.9	51
71	Organic geochemistry of the Lower Toarcian Posidonia Shale in NW Europe. <i>Organic Geochemistry</i> , 2017, 106, 76-92.	0.9	51
72	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.	0.9	50

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73	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.	1.1	50
74	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.	1.3	50
75	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.	0.9	49
76	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.	0.9	48
77	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.	0.9	48
78	Petroleum generation and migration in coal seams of the Carboniferous Ruhr Basin, northwest Germany. <i>Organic Geochemistry</i> , 1990, 16, 247-258.	0.9	47
79	Source rock potential and depositional environment of Upper Cretaceous sedimentary rocks, Abu Ghariy Basin, Western Desert, Egypt: An integrated palynological, organic and inorganic geochemical study. <i>International Journal of Coal Geology</i> , 2018, 186, 14-40.	1.9	47
80	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.	1.5	46
81	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.	1.9	46
82	Mikroskopische und makroskopische Unterschiede zwischen Profilen unreifen und reifen Posidonienschiefers aus der Hilsmulde. <i>Facies</i> , 1987, 17, 171-179.	0.7	45
83	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.	1.5	45
84	Changes of composition and content of tricyclic terpane, hopane, sterane, and aromatic biomarkers throughout the oil window: A detailed study on maturity parameters of Lower Toarcian Posidonia Shale of the Hils Syncline, NW Germany. <i>Organic Geochemistry</i> , 2019, 138, 103928.	0.9	45
85	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.	1.2	45
86	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.	1.9	44
87	Maturity-related compositional changes in the low-molecular-weight hydrocarbon fraction of Toarcian shales. <i>Organic Geochemistry</i> , 1988, 13, 887-892.	0.9	43
88	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.	1.9	43
89	Origins of CO ₂ in permian carbonate reservoir rocks (Zechstein, Ca ₂) of the NW-German Basin (Lower) Tj ETQq1 1 0,784314 rgBT /Over	1.4	42
90	Gas saturation and CO ₂ enhancement potential of coalbed methane reservoirs as a function of depth. <i>AAPG Bulletin</i> , 2014, 98, 395-420.	0.7	42

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91	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.	1.9	42
92	Pore structure, gas storage and matrix transport characteristics of lacustrine Newark shale. <i>Marine and Petroleum Geology</i> , 2018, 97, 525-539.	1.5	41
93	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.	0.9	40
94	Geochemical and petrographic characterization of Campanian–Lower Maastrichtian calcareous petroleum source rocks of Hasbaya, South Lebanon. <i>Marine and Petroleum Geology</i> , 2015, 64, 304-323.	1.5	40
95	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.	1.9	39
96	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.	1.6	39
97	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.	2.5	38
98	The anthropogenic contribution to the organic load of the Lippe River (Germany). Part II: quantification of specific organic contaminants. <i>Chemosphere</i> , 2004, 57, 1289-1300.	4.2	38
99	Organic geochemistry of Duckmantian (Pennsylvanian) coals from the Ruhr Basin, western Germany. <i>International Journal of Coal Geology</i> , 2013, 107, 112-126.	1.9	38
100	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.	1.5	37
101	Bolsovian (Pennsylvanian) tropical peat depositional environments: The example of the Ruhr Basin, Germany. <i>International Journal of Coal Geology</i> , 2019, 211, 103209.	1.9	37
102	Organic matter preservation and sulfur uptake in sediments from the continental margin off Pakistan. <i>Organic Geochemistry</i> , 2002, 33, 477-488.	0.9	36
103	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.	2.3	36
104	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.	1.5	36
105	Unconventional Gas Resources in the Paleozoic of Central Europe. <i>Oil and Gas Science and Technology</i> , 2011, 66, 953-977.	1.4	36
106	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.	0.1	36
107	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.	0.9	35
108	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.	1.4	34

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109	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.	1.5	34
110	Experimental investigation of the compositional variation of petroleum during primary migration. <i>Organic Geochemistry</i> , 2007, 38, 1373-1397.	0.9	34
111	Depositional environment, thermal maturity and shale oil potential of the Cretaceous Qingshankou Formation in the eastern Changling Sag, Songliao Basin, China: An integrated organic and inorganic geochemistry approach. <i>International Journal of Coal Geology</i> , 2020, 232, 103621.	1.9	34
112	Paleozoic petroleum systems of Saudi Arabia: a basin modeling approach. <i>Georabia</i> , 2005, 10, 131-168.	1.6	34
113	Fluid systems and basin evolution of the western Lower Saxony Basin, Germany. <i>Geofluids</i> , 2007, 7, 335-355.	0.3	33
114	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.	0.9	33
115	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.	1.0	33
116	Chemical and structural changes in vitrinites and megaspores from Carboniferous coals during maturation. <i>International Journal of Coal Geology</i> , 2018, 185, 91-102.	1.9	33
117	Ediacaran, Cambrian, Ordovician, Silurian and Permian shales of the Upper Yangtze Platform, South China: Deposition, thermal maturity and shale gas potential. <i>International Journal of Coal Geology</i> , 2019, 216, 103281.	1.9	33
118	Coalification pattern and thermal modelling of the Permo-Carboniferous Saar Basin (SW-Germany). <i>International Journal of Coal Geology</i> , 2000, 42, 273-296.	1.9	32
119	Measuring the effective diffusion coefficient of dissolved hydrogen in saturated Boom Clay. <i>Applied Geochemistry</i> , 2015, 61, 175-184.	1.4	32
120	The Central European Basin System – an Overview. , 2008, , 16-34.		32
121	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.	1.5	31
122	On-line pyrolysis-GC-IRMS: isotope fractionation of thermally generated gases from coals. <i>Fuel</i> , 2001, 80, 2139-2153.	3.4	31
123	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.	0.9	31
124	Paleo-depositional environment, origin and characteristics of organic matter of the Triassic Chang 7 Member of the Yanchang Formation throughout the mid-western part of the Ordos Basin, China. <i>International Journal of Coal Geology</i> , 2021, 237, 103636.	1.9	31
125	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.	1.5	30
126	Basin modelling of the Limón Backarc Basin (Costa Rica): burial history and temperature evolution of an island arc-related basin system. <i>Basin Research</i> , 2008, 20, 119-142.	1.3	30

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127	The Cenomanian/Turonian Boundary Event in the Indian Ocean: a Key to Understand the Global Picture. Geophysical Monograph Series, 2013, , 253-273.	0.1	30
128	Liberation of molecular hydrogen (H ₂) and methane (CH ₄) during non-isothermal pyrolysis of shales and coals: Systematics and quantification. International Journal of Coal Geology, 2015, 137, 152-164.	1.9	30
129	Source rock evaluation and nature of hydrocarbons in the Khalda Concession, Shushan Basin, Egypt's Western Desert. International Journal of Coal Geology, 2016, 162, 45-60.	1.9	30
130	Enhanced surface flatness of vitrinite particles by broad ion beam polishing and implications for reflectance measurements. International Journal of Coal Geology, 2017, 180, 113-121.	1.9	30
131	Stress sensitivity of porosity and permeability of Cobourg limestone. Engineering Geology, 2020, 273, 105632.	2.9	30
132	Organic-geochemical characterisation of sediments from the Sakoa coalfield, Madagascar. Organic Geochemistry, 1990, 16, 235-246.	0.9	29
133	Heat flow evolution, subsidence and erosion in the Rheno-Hercynian orogenic wedge of central Europe. Geological Society Special Publication, 2000, 179, 231-255.	0.8	29
134	Petroleum generation and migration in the "Tight Gas"™ area of the German Rotliegend natural gas play: a basin modelling study. Petroleum Geoscience, 2007, 13, 37-62.	0.9	28
135	Integrated 3D forward stratigraphic and petroleum system modeling of the Levant Basin, Eastern Mediterranean. Basin Research, 2019, 31, 228-252.	1.3	28
136	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). Organic Geochemistry, 2013, 59, 22-36.	0.9	27
137	Characterisation of non-extractable macromolecular organic matter in Palaeozoic coals. Palaeogeography, Palaeoclimatology, Palaeoecology, 2006, 240, 275-304.	1.0	26
138	Highly aromatic character of biogeomacromolecules in Chitinozoa: A spectroscopic and pyrolytic study. Organic Geochemistry, 2007, 38, 1625-1642.	0.9	26
139	DEPOSITIONAL ENVIRONMENT AND SOURCE-ROCK CHARACTERISATION OF ORGANIC-MATTER RICH UPPER SANTONIAN " UPPER CAMPANIAN CARBONATES, NORTHERN LEBANON. Journal of Petroleum Geology, 2014, 37, 5-24.	0.9	26
140	Solid bitumen in calcite veins from the Natih Formation in the Oman Mountains: Multiple phases of petroleum migration in a changing stress field. International Journal of Coal Geology, 2016, 157, 39-51.	1.9	26
141	Molecular hydrogen (H ₂) and light hydrocarbon gases generation from marine and lacustrine source rocks during closed-system laboratory pyrolysis experiments. Journal of Analytical and Applied Pyrolysis, 2017, 126, 275-287.	2.6	26
142	Assessment of unconventional shale gas potential of organic-rich Mississippian and Lower Pennsylvanian sediments in western Germany. International Journal of Coal Geology, 2018, 198, 29-47.	1.9	26
143	Reconstruction of Late Paleozoic heat flows and burial histories at the Rhenohercynian-Subvariscan boundary, Germany. International Journal of Earth Sciences, 2001, 90, 234-256.	0.9	25
144	Thermal maturity in the Central European Basin system (Schleswig-Holstein area): results of 1D basin modelling and new maturity maps. International Journal of Earth Sciences, 2005, 94, 815-833.	0.9	25

#	ARTICLE	IF	CITATIONS
145	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.	0.9	25
146	Halogenated compounds in a dated sediment core of the Teltow canal, Berlin: Time related sediment contamination. <i>Chemosphere</i> , 2005, 61, 1427-1438.	4.2	25
147	Stable carbon isotope ratios of aliphatic biomarkers in Late Palaeozoic coals. <i>International Journal of Coal Geology</i> , 2013, 107, 127-140.	1.9	23
148	An overview on source rocks and the petroleum system of the central Upper Rhine Graben. <i>International Journal of Earth Sciences</i> , 2017, 106, 707-742.	0.9	23
149	Interplay of molecular size and pore network geometry on the diffusion of dissolved gases and HTO in Boom Clay. <i>Applied Geochemistry</i> , 2017, 76, 182-195.	1.4	23
150	Depositional environment and thermal maturity of the coal-bearing Longtan Shale in southwest Guizhou, China: Implications for shale gas resource potential. <i>International Journal of Coal Geology</i> , 2020, 231, 103607.	1.9	23
151	On the Atypical Petroleum-Generating Characteristics of Alginite in the Cambrian Alum Shale. , 1992, , 257-266.		23
152	Deposition of Petroleum Source Rocks. , 1997, , 271-333.		22
153	Monitoring of waste deposit derived groundwater contamination with organic tracers. <i>Environmental Chemistry Letters</i> , 2004, 2, 21-25.	8.3	22
154	Geochemical characterization of a Cretaceous black shale from the Mamfe Basin, Cameroon. <i>Petroleum Geoscience</i> , 2006, 12, 69-74.	0.9	22
155	Depositional environment of Toarcian shales from northern Germany as monitored with porphyrins. <i>Geochimica Et Cosmochimica Acta</i> , 1993, 57, 4213-4218.	1.6	21
156	Quantification of Organic Matter Degradation by Microbial Sulphate Reduction for Quaternary Sediments from the Northern Arabian Sea. <i>Die Naturwissenschaften</i> , 1997, 84, 312-315.	0.6	21
157	Geochemical and stable carbon isotopic composition of coal-related gases from the SW Upper Silesian Coal Basin, Czech Republic. <i>Organic Geochemistry</i> , 2012, 53, 153-165.	0.9	21
158	Integrated charge and seal assessment in the Monagas fold and thrust belt of Venezuela. <i>AAPG Bulletin</i> , 2014, 98, 1325-1350.	0.7	21
159	Accumulation Rates and Composition of Organic Matter in Late Cenozoic Sediments Underlying the Active Upwelling Area off Peru. , 0, ,		21
160	Petroleum Migration: Mechanisms, Pathways, Efficiencies and Numerical Simulations. , 1997, , 403-520.		20
161	Organic geochemistry and depositional history of the Barremian–Aptian boundary interval in the Lower Saxony Basin, northern Germany. <i>Cretaceous Research</i> , 1998, 19, 581-614.	0.6	20
162	Fluid Evolution During Burial Diagenesis and Subsequent Orogenetic Uplift: The La Vid Group (Cantabrian Zone, Northern Spain). <i>Journal of Sedimentary Research</i> , 2008, 78, 282-300.	0.8	20

#	ARTICLE	IF	CITATIONS
163	Deformation mechanisms of deeply buried and surface-piercing Late Pre-Cambrian to Early Cambrian Ara Salt from interior Oman. <i>International Journal of Earth Sciences</i> , 2010, 99, 1007-1025.	0.9	20
164	Petrological and geochemical investigations of potential source rocks of the central Congo Basin, Democratic Republic of Congo. <i>AAPG Bulletin</i> , 2012, 96, 245-275.	0.7	20
165	ORGANIC GEOCHEMISTRY AND PETROLOGY OF A LOWER JURASSIC (PLIENSCHACHIAN) PETROLEUM SOURCE ROCK FROM AËT MOUSSA, MIDDLE ATLAS, MOROCCO. <i>Journal of Petroleum Geology</i> , 2012, 35, 5-23.	0.9	20
166	Lithological dependency and anisotropy of vitrinite reflectance in high rank sedimentary rocks of the Ibbenbüren area, NW-Germany: Implications for the tectonic and thermal evolution of the Lower Saxony Basin. <i>International Journal of Coal Geology</i> , 2015, 137, 124-135.	1.9	20
167	The effect of microstructural heterogeneity on pore size distribution and permeability in Opalinus Clay (Mont Terri, Switzerland): insights from an integrated study of laboratory fluid flow and pore morphology from BIB-SEM images. <i>Geological Society Special Publication</i> , 2017, 454, 85-106.	0.8	20
168	Molecular Nitrogen in Natural Gas Accumulations: Generation from Sedimentary Organic Matter at High Temperatures. <i>AAPG Bulletin</i> , 1995, 79, .	0.7	19
169	Hydrocarbon generation and migration under a large overthrust: The carbonate platform under the Semail Ophiolite, Jebel Akhdar, Oman. <i>International Journal of Coal Geology</i> , 2016, 168, 3-19.	1.9	19
170	Syn- and post-depositional sand bodies in lignite â€“ the role of coal analysis in their recognition. A study from the Frimmersdorf Seam, Garzweiler open-cast mine, western Germany. <i>International Journal of Coal Geology</i> , 2017, 179, 173-186.	1.9	19
171	Migration of Oil and Gas in Coals. , 1993, , .		19
172	Maturation and Petroleum Generation. , 1997, , 169-229.		18
173	A comparison of burial, maturity and temperature histories of selected wells from sedimentary basins in The Netherlands. <i>International Journal of Earth Sciences</i> , 2008, 97, 931-953.	0.9	18
174	The effect of different pyrolysis temperatures on organic microfossils, vitrinite and amberâ€“A comparative study between laser assisted- and Curie Point-pyrolysisâ€“gas chromatography/mass spectrometry. <i>Journal of Analytical and Applied Pyrolysis</i> , 2014, 107, 211-223.	2.6	18
175	Characterization of Organic Matter in Sulfur-Rich Lacustrine Sediments of Miocene Age (NÃ¼rdlinger Tj ETQq1 1 0,784314 rgBT /Ove	0,5	17
176	Hydrocarbon gas in the Costa Rica subduction zone: primary composition and post-genetic alteration. <i>Organic Geochemistry</i> , 2002, 33, 933-943.	0.9	17
177	Deformation style and basin-fill architecture of the offshore LimÃ³n back-arc basin (Costa Rica). <i>Marine and Petroleum Geology</i> , 2007, 24, 277-287.	1.5	17
178	Thermal history, hydrocarbon generation and migration in the Horn Graben in the Danish North Sea: a 2D basin modelling study. <i>International Journal of Earth Sciences</i> , 2008, 97, 1087-1100.	0.9	17
179	2D basin modeling study of the Binak Trough, northwestern Persian Gulf, Iran. <i>Marine and Petroleum Geology</i> , 2016, 77, 882-897.	1.5	17
180	Source rock characterization of mesozoic to cenozoic organic matter rich marls and shales of the Eratosthenes Seamount, Eastern Mediterranean Sea. <i>Oil and Gas Science and Technology</i> , 2018, 73, 49.	1.4	17

#	ARTICLE	IF	CITATIONS
181	Controls on gas storage characteristics of Upper Paleozoic shales from the southeastern Ordos Basin. <i>Marine and Petroleum Geology</i> , 2020, 117, 104377.	1.5	17
182	Simultaneous determination of the effective stress coefficients for permeability and volumetric strain on a tight sandstone. <i>Journal of Natural Gas Science and Engineering</i> , 2021, 95, 104186.	2.1	17
183	Burial and temperature of Paleozoic and Mesozoic rocks in the Northwest German Basin. <i>Zeitschrift Der Deutschen Geologischen Gesellschaft</i> , 1996, 147, 183-208.	0.1	17
184	Reconstructing the evolution of the latest Pennsylvanianâ€œearliest Permian Lake Oderheim based on stable isotope geochemistry and palynofacies: A case study from the Saar-Nahe Basin, Germany. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2006, 240, 204-224.	1.0	16
185	The pre-Permian of NW-Germany structure and coalification map. <i>Zeitschrift Der Deutschen Gesellschaft Fur Geowissenschaften</i> , 2009, 160, 159-172.	0.1	16
186	Peculiar Berriasian â€œWealdenâ€•Shales of northwest Germany: Organic facies, depositional environment, thermal maturity and kinetics of petroleum generation. <i>Marine and Petroleum Geology</i> , 2021, 124, 104819.	1.5	16
187	Thermal Effects of Magmatism on Surrounding Sediments and Petroleum Systems in the Northern Offshore Taranaki Basin, New Zealand. <i>Geosciences (Switzerland)</i> , 2019, 9, 288.	1.0	15
188	Accessibility and mobility of hydrocarbons in lacustrine shale: Solvent flow-through extraction experiments on Eocene oil shales from Bohai Bay Basin, eastern China. <i>Organic Geochemistry</i> , 2019, 127, 23-36.	0.9	15
189	Lacustrine Type I kerogen characterization at different thermal maturity levels: Application to the Late Cretaceous Yacoraita Formation in the Salta Basin â€œ Argentina. <i>International Journal of Coal Geology</i> , 2019, 203, 15-27.	1.9	15
190	Comparison of single- and multi-ramp bulk kinetics for a natural maturity series of Westphalian coals: Implications for modelling petroleum generation. <i>International Journal of Coal Geology</i> , 2020, 219, 103378.	1.9	15
191	Depositional history of low-mature coals from the Puyang Basin, Yunnan Province, China. <i>International Journal of Coal Geology</i> , 2020, 221, 103428.	1.9	15
192	Geochemical and sedimentary facies study â€œ Implication for driving mechanisms of organic matter enrichment in the lower Silurian fine-grained mudstones in the Baltic Basin (W Lithuania). <i>International Journal of Coal Geology</i> , 2021, 244, 103815.	1.9	15
193	Organic geochemistry and depositional history of Upper Albian sediments from the Kirchrode I borehole, northern Germany. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2001, 174, 107-120.	1.0	14
194	Organic pollutants in riparian wetlands of the Lippe river (Germany). <i>Environmental Chemistry Letters</i> , 2003, 1, 169-173.	8.3	14
195	Quantitation of Nonextractable Anthropogenic Quantitation of Nonextractable Anthropogenic Sediments after Chemical Degradation. <i>Clean - Soil, Air, Water</i> , 2003, 31, 469-481.	0.8	14
196	Petrographic and geophysical assessment of coal quality as related to briquetting: the Miocene lignite of the Lower Rhine Basin, Germany. <i>International Journal of Coal Geology</i> , 2004, 60, 17-41.	1.9	14
197	Geochronology of anthropogenic contaminants in a dated sediment core of the Rhine River (Germany): emission sources and risk assessment. <i>Clean - Soil, Air, Water</i> , 2006, 34, 34-52.	0.8	14
198	Palaeoecological evolution of Duckmantian wetlands in the Ruhr Basin (western Germany): A palynological and coal petrographical analysis. <i>Review of Palaeobotany and Palynology</i> , 2010, 162, 123-145.	0.8	14

#	ARTICLE	IF	CITATIONS
199	Sealing rock characteristics under the influence of CO ₂ . Energy Procedia, 2011, 4, 5170-5177.	1.8	14
200	Systematics of pyrolytic gas (N ₂ , CH ₄) liberation from sedimentary rocks: Contribution of organic and inorganic rock constituents. International Journal of Coal Geology, 2012, 89, 95-107.	1.9	14
201	Source rock potential of the Middle Jurassic to Middle Pliocene, onshore Nile Delta Basin, Egypt. Arabian Journal of Geosciences, 2016, 9, 1.	0.6	14
202	3D thermal history and maturity modelling of the Levant Basin and its eastern margin, offshore“onshore Lebanon. Arabian Journal of Geosciences, 2016, 9, 1.	0.6	14
203	BURIAL, TEMPERATURE AND MATURATION HISTORY OF THE AUSTRAL AND WESTERN MALVINAS BASINS, SOUTHERN ARGENTINA, BASED ON 3D BASIN MODELLING. Journal of Petroleum Geology, 2016, 39, 169-191.	0.9	14
204	Late Cretaceous to Cenozoic geodynamic evolution of the Atlantic margin offshore Essaouira (Morocco). Basin Research, 2016, 28, 712-730.	1.3	14
205	Climatic and environmental conditions during the Pleistocene in the Central Qaidam Basin, NE Tibetan Plateau: Evidence from GDGTs, stable isotopes and major and trace elements of the Qigequan Formation. International Journal of Coal Geology, 2022, 254, 103958.	1.9	14
206	Biodegradation in numerical basin modelling: a case study from the Gifhorn Trough, N-Germany. International Journal of Earth Sciences, 2008, 97, 1115-1129.	0.9	13
207	CH ₄ /N ₂ Ratio as a Potential Alternative Geochemical Tool for Prediction of Thermal Maturity of Natural Gas in Tarim Basin. Earth Science Frontiers, 2008, 15, 209-216.	0.5	13
208	2D petroleum system analysis of the Tarfaya Basin, on-offshore Morocco, North Africa. Marine and Petroleum Geology, 2016, 77, 1108-1124.	1.5	13
209	Thermal maturity and petroleum kitchen areas of Liassic Black Shales (Lower Jurassic) in the central Upper Rhine Graben, Germany. International Journal of Earth Sciences, 2016, 105, 611-636.	0.9	13
210	The Dependency of Diffusion Coefficients and Geometric Factor on the Size of the Diffusing Molecule: Observations for Different Clay-Based Materials. Geofluids, 2017, 2017, 1-16.	0.3	13
211	Petrophysical and geochemical characterization of potential unconventional gas shale reservoirs in the southern Karoo Basin, South Africa. International Journal of Coal Geology, 2019, 212, 103249.	1.9	13
212	3D-modelling of thermal history and simulation of methane and nitrogen migration along the Northeast German seismic DEKORP profile 9601. Journal of Geochemical Exploration, 2000, 69-70, 263-267.	1.5	12
213	Dynamics of sedimentary basins: the example of the Central European Basin system. International Journal of Earth Sciences, 2005, 94, 779-781.	0.9	12
214	FAULT CONTROLS ON SEDIMENT DISTRIBUTION PATTERNS, LIMÓN BASIN, COSTA RICA. Journal of Petroleum Geology, 2007, 30, 25-40.	0.9	12
215	Maturity modelling integrated with apatite fission-track dating: Implications for the thermal history of the Mid-Polish Trough (Poland). Marine and Petroleum Geology, 2010, 27, 108-115.	1.5	12
216	Petrographical and geochemical characterization of sub-bituminous coals from mines in the Cesar-Ranchería Basin, Colombia. International Journal of Coal Geology, 2018, 191, 66-79.	1.9	12

#	ARTICLE	IF	CITATIONS
217	Geochemical and petrographic investigation of Triassic and Late Miocene organic-rich intervals from onshore Cyprus, Eastern Mediterranean. <i>International Journal of Coal Geology</i> , 2019, 209, 94-116.	1.9	12
218	The influence of partial hydrocarbon saturation on porosity and permeability in a palaeogene lacustrine shale-hosted oil system of the Bohai Bay Basin, Eastern China. <i>International Journal of Coal Geology</i> , 2019, 207, 26-38.	1.9	12
219	Thermal basin modelling of the Arauco forearc basin, south central Chile – Heat flow and active margin tectonics. <i>Tectonophysics</i> , 2010, 495, 111-128.	0.9	11
220	Organic geochemical characterization of Santonian to Early Campanian organic matter-rich marls (Sondage No. 1 cores) as related to OAE3 from the Tafaya Basin, Morocco. <i>Marine and Petroleum Geology</i> , 2014, 56, 290-304.	1.5	11
221	Petrographical and geochemical characterization of lignites, sub-bituminous coals and carbonaceous sediments from the Erin Formation, Southern Basin, Trinidad – Implications on microfacies, depositional environment and organic matter alteration. <i>International Journal of Coal Geology</i> , 2016, 163, 112-122.	1.9	11
222	Liberation of hydrogen-containing gases during closed system pyrolysis of immature organic matter-rich shales. <i>International Journal of Coal Geology</i> , 2018, 185, 23-32.	1.9	11
223	Quantitative hydrocarbon generation and charge risk assessment in the NW Persian Gulf: A 3D basin modeling approach. <i>Marine and Petroleum Geology</i> , 2021, 126, 104900.	1.5	11
224	Kerogen composition and origin, oil and gas generation potential of the Berriasian Wealden Shales of the Lower Saxony Basin. <i>International Journal of Coal Geology</i> , 2021, 246, 103831.	1.9	11
225	The Shahejie Formation in the Dongpu Depression, Bohai Bay Basin, China: Geochemical investigation of the origin, deposition and preservation of organic matter in a saline lacustrine environment during the Middle Eocene. <i>International Journal of Coal Geology</i> , 2022, 253, 103967.	1.9	11
226	Intraformational redistribution of selected trace elements in the Posidonia Shale (Hils Syncline, NW Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.1	10
227	2D numerical modelling of hydrocarbon generation in subducted sediments at the active continental margin of Costa Rica. <i>Marine and Petroleum Geology</i> , 2004, 21, 753-766.	1.5	10
228	Analysis of undisturbed layers of a waste deposit landfill – Insights into the transformation and transport of organic contaminants. <i>Organic Geochemistry</i> , 2006, 37, 2026-2045.	0.9	10
229	The potential role of redox reactions for the distribution of alkyl naphthalenes and their oxygenated analogues in terrestrial organic matter of Late Palaeozoic age. <i>Organic Geochemistry</i> , 2007, 38, 1692-1714.	0.9	10
230	Systematics of pyrolytic N ₂ and CH ₄ release from peat and coals of different thermal maturity. <i>International Journal of Coal Geology</i> , 2012, 89, 84-94.	1.9	10
231	Wildfires in the late Palaeozoic and Mesozoic of the Southern Alps – the Anisian and Ladinian (Mid Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	0.6	10
232	Hydrocarbon potential of Ordovician – Silurian successions in Akkas field, western desert of Iraq. <i>AAPG Bulletin</i> , 2015, 99, 617-637.	0.7	10
233	Palynology, palynofacies analysis, depositional environments and source rock potential of Lower Cretaceous successions in southern Iraq. <i>Marine and Petroleum Geology</i> , 2016, 76, 362-376.	1.5	10
234	Multiple sulfur isotopes (³⁴ S, ³³ S) and trace elements (Mo, U, V) reveal changing palaeoenvironments in the mid-Carboniferous Chokier Formation, Belgium. <i>Chemical Geology</i> , 2016, 441, 47-62.	1.4	10

#	ARTICLE	IF	CITATIONS
235	BURIAL, TEMPERATURE AND MATURATION HISTORY OF CRETACEOUS SOURCE ROCKS IN THE NW PERSIAN GULF, OFFSHORE SW IRAN: 3D BASIN MODELLING. <i>Journal of Petroleum Geology</i> , 2019, 42, 125-144.	0.9	10
236	Depositional history, source rock quality and thermal maturity of Upper Ordovician - Lower Silurian organic-rich sedimentary rocks in the central part of the Baltic Basin (Lithuania). <i>Marine and Petroleum Geology</i> , 2020, 112, 104083.	1.5	10
237	Petrophysical characterization of low-permeable carbonaceous rocks: Comparison of different experimental methods. <i>Marine and Petroleum Geology</i> , 2020, 122, 104658.	1.5	10
238	Characterization of Late Cretaceous to Miocene source rocks in the Eastern Mediterranean Sea: An integrated numerical approach of stratigraphic forward modelling and petroleum system modelling. <i>Basin Research</i> , 2021, 33, 846-874.	1.3	10
239	Non-overmature equivalents confirmed a high initial hydrocarbon generation potential of the Permian Longtan Shale in southern China. <i>International Journal of Coal Geology</i> , 2022, 259, 104043.	1.9	10
240	Burial history and thermal maturity of Mesozoic rocks of the Dolomites, Northern Italy. <i>Swiss Journal of Geosciences</i> , 2015, 108, 253-271.	0.5	9
241	Using BIB-SEM Imaging for Permeability Prediction in Heterogeneous Shales. <i>Geofluids</i> , 2017, 2017, 1-19.	0.3	9
242	Organic petrology and geochemistry of Triassic and Jurassic coals of the Tabas Basin, Northeastern/Central Iran. <i>International Journal of Coal Science and Technology</i> , 2019, 6, 354-371.	2.7	9
243	Methane sorption behaviour of coals altered by igneous intrusion, South Sumatra Basin. <i>International Journal of Coal Geology</i> , 2019, 214, 103250.	1.9	9
244	TEMPERATURE AND BURIAL HISTORY MODELLING OF THE DRMNO AND MARKOVAC DEPRESSIONS, SE PANNONIAN BASIN, SERBIA. <i>Journal of Petroleum Geology</i> , 2003, 26, 5-27.	0.9	8
245	Groundwater contamination by chlorinated naphthalenes and related substances caused by activities of a former military base. <i>Chemosphere</i> , 2005, 61, 770-782.	4.2	8
246	Liberation of volatiles from Greek lignites during open system non-isothermal pyrolysis. <i>Organic Geochemistry</i> , 2008, 39, 977-984.	0.9	8
247	MATURITY AND SOURCE-ROCK POTENTIAL OF MESOZOIC AND PALAEOZOIC SEDIMENTS, JIFARAH BASIN, NW LIBYA. <i>Journal of Petroleum Geology</i> , 2009, 32, 327-341.	0.9	8
248	BIOMARKER CHARACTERISTICS OF POTENTIAL SOURCE ROCKS IN THE JABAL NAFUSAH AREA, NW LIBYA: PETROLEUM SYSTEMS SIGNIFICANCE. <i>Journal of Petroleum Geology</i> , 2015, 38, 119-155.	0.9	8
249	Off-line-pyrolysis-gas chromatography-mass spectrometry analyses of drilling fluids and drill cuttings - Identification of potential environmental marker substances. <i>Organic Geochemistry</i> , 2015, 88, 17-28.	0.9	8
250	Palynological and organic geochemical studies of the Upper Jurassic-Lower Cretaceous successions, Western Desert, Egypt: Implications for paleoenvironment and hydrocarbon source rock potential. <i>International Journal of Coal Geology</i> , 2019, 211, 103207.	1.9	8
251	Geochemical and petrographic analyses of new petroleum source rocks from the onshore Upper Jurassic and Lower Cretaceous of Lebanon. <i>International Journal of Coal Geology</i> , 2019, 204, 70-84.	1.9	8
252	Experimental determination of porosity and methane sorption capacity of organic-rich shales as a function of effective stress: Implications for gas storage capacity. <i>AAPG Bulletin</i> , 2021, 105, 309-328.	0.7	8

#	ARTICLE	IF	CITATIONS
253	Experimental Investigation of Gas Dynamic Effects Using Nanoporous Synthetic Materials as Tight Rock Analogues. <i>Transport in Porous Media</i> , 2021, 137, 519-553.	1.2	8
254	High microbial gas potential of Pleistocene lacustrine deposits in the central Qaidam Basin, China: An organic geochemical and petrographic assessment. <i>International Journal of Coal Geology</i> , 2021, 245, 103818.	1.9	8
255	Microscopic and sedimentologic evidence for the generation and migration of hydrocarbons in Toarcian source rocks of different maturities. , 1988, , 549-559.		8
256	3D petroleum systems modelling of the North German Basin. <i>First Break</i> , 2011, 29, .	0.2	8
257	Reduction of Shale Permeability by Temperature-Induced Creep. <i>SPE Journal</i> , 2021, 26, 750-764.	1.7	8
258	Maturation and migration processes in intact source rock micro plugs induced by chemical and thermal treatment: A new approach combining Rock-Eval pyrolysis and organic petrography. <i>International Journal of Coal Geology</i> , 2022, 251, 103938.	1.9	8
259	Organic petrologic and geochemical characterization of petroleum source rocks in the Middle Jurassic Dameigou Formation, Qaidam Basin, northwestern China: Insights into paleo-depositional environment and organic matter accumulation. <i>International Journal of Coal Geology</i> , 2022, 259, 104038.	1.9	8
260	A RAPID METHOD OF QUANTIFYING THE RESOLUTION LIMITS OF HEAT-FLOW ESTIMATES IN BASIN MODELS. <i>Journal of Petroleum Geology</i> , 2008, 31, 167-178.	0.9	7
261	Pore structure and sorption capacity investigations of Ediacaran and Lower Silurian gas shales from the Upper Yangtze platform, China. <i>Geomechanics and Geophysics for Geo-Energy and Geo-Resources</i> , 2021, 7, 1.	1.3	7
262	An Integrated Imaging Study of the Pore Structure of the Cobourg Limestone – A Potential Nuclear Waste Host Rock in Canada. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 1042.	0.8	7
263	Composition of organic matter in subducted and unsubducted sediments off the Nicoya peninsula, Costa Rica (ODP Leg 170, Sites 1039 and 1040). <i>Organic Geochemistry</i> , 2000, 31, 1597-1610.	0.9	6
264	Determination of $\delta^{13}C/\delta^{12}C$ -ratios of anthropogenic organic contaminants in river water samples by GC-irmMS. <i>International Journal of Environmental Analytical Chemistry</i> , 2005, 85, 349-364.	1.8	6
265	The impact of Quaternary glaciation on temperature and pore pressure in Jurassic troughs in the Southern Permian Basin, northern Germany. <i>Geological Society Special Publication</i> , 2018, 469, 371-398.	0.8	6
266	Origins of hydrocarbons in the Geneva Basin: insights from oil, gas and source rock organic geochemistry. <i>Swiss Journal of Geosciences</i> , 2021, 114, .	0.5	6
267	Geochemical focusing and burial of sedimentary iron, manganese, and phosphorus during lake eutrophication. <i>Limnology and Oceanography</i> , 2022, 67, 768-783.	1.6	6
268	Down under and under Cover – The Tectonic and Thermal History of the Cooper and Central Eromanga Basins (Central Eastern Australia). <i>Geosciences (Switzerland)</i> , 2022, 12, 117.	1.0	6
269	Comparative geochemical and pyrolytic study of coals, associated kerogens, and isolated vitrinites at the limit between subbituminous and bituminous coal. <i>International Journal of Coal Geology</i> , 2020, 227, 103517.	1.9	5
270	The relation between petrophysical and transport properties of the Boom Clay and Eigenbilzen Sands. <i>Applied Geochemistry</i> , 2020, 114, 104527.	1.4	5

#	ARTICLE	IF	CITATIONS
271	Estimates of shale gas contents in the Posidonia Shale and Wealden of the westcentral Lower Saxony Basin from high-resolution 3D numerical basin modelling. <i>Zeitschrift Der Deutschen Gesellschaft Fur Geowissenschaften</i> , 2016, 167, 295-314.	0.1	5
272	Investigations on the shale oil and gas potential of Westphalian mudstone successions in the Campine Basin, NE Belgium (well KB174): Palaeoenvironmental and palaeogeographical controls. <i>Geologica Belgica</i> , 2016, 19, 225-235.	0.9	5
273	Organic matter in Neogene sediments of the Southern Canary Channel, Canary Islands (Sites 955 and) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 627 Td		
274	Source rock characterisation and thermal maturity of the Rupelian Fish Shale (Bodenheim) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Td <i>Geowissenschaften</i> , 2014, 165, 247-273.	0.1	4
275	The Posidonia Shale of northern Germany: unconventional oil and gas potential from high-resolution 3D numerical basin modelling of the cross-junction between the eastern Lower Saxony Basin, Pompeckj Block and Gifhorn Trough. <i>Geological Society Special Publication</i> , 2018, 469, 399-421.	0.8	4
276	Organic geochemistry, petrology and palynofacies of Middle Devonian lacustrine flagstones in the Orcadian Basin, Scotland: depositional environment, thermal history and petroleum generation potential. <i>Geological Magazine</i> , 2018, 155, 773-796.	0.9	4
277	Petrophysical reservoir-rock properties and source-rock characterization of Abu Roash Formation in Wadi El-Rayan oil field, Western Desert, Egypt. <i>Arabian Journal of Geosciences</i> , 2018, 11, 1.	0.6	4
278	Hydrocarbon charge assessment of frontier basins â€“ a case study of the oceanic crust of the Moroccan Atlantic margin. <i>Petroleum Geoscience</i> , 2019, 25, 151-168.	0.9	4
279	Lithospheric evolution, thermo-tectonic history and source-rock maturation in the Gippsland Basin, Victoria, southeastern Australia. <i>Australian Journal of Earth Sciences</i> , 2022, 69, 83-112.	0.4	4
280	Deposition, diagenesis and petroleum generation potential of Pennsylvanian coals and coal-bearing strata in Western Germany: A review. <i>Zeitschrift Der Deutschen Gesellschaft Fur Geowissenschaften</i> , 2019, 170, 289-309.	0.1	4
281	Numerical 3D modeling of burial and temperature history, source rock maturity, and hydrocarbon generation in the onshore northeastern Netherlands. <i>International Journal of Earth Sciences</i> , 2022, 111, 1033-1055.	0.9	4
282	Assessment of the CO2 sealing efficiency of pelitic rocksTwo-phase flow and diffusive transport. , 2005, , 2003-2006.		3
283	Compound-specific stable carbon isotope analyses of riverine water organic contaminants. <i>Environmental Chemistry Letters</i> , 2006, 4, 23-28.	8.3	3
284	DEVONIAN CARBONATES OF THE NIGEL PEAK AREA, ROCKY MOUNTAINS, CANADA: A FOSSIL PETROLEUM SYSTEM?. <i>Journal of Petroleum Geology</i> , 2008, 31, 283-301.	0.9	3
285	Geochemistry, generation and maturation of the hydrocarbons at Wadi Al-Rayan oil field, Western Desert of Egypt. <i>Petroleum Science and Technology</i> , 2017, 35, 1253-1262.	0.7	3
286	Molecular differences in sequential extracts obtained by core flooding of the early mature ultra-tight Posidonia Shale. <i>Marine and Petroleum Geology</i> , 2021, 123, 104709.	1.5	3
287	Geochemistry and organic petrology of organic-rich shales of the Upper Jurassic â€“ Lower Cretaceous Bazhenov Horizon in the Frolov Region, West Siberian Basin: Implications for the reconstruction of the organic matter origin and paleoredox conditions. <i>Marine and Petroleum Geology</i> , 2022, 143, 105809.	1.5	3
288	Experimental investigation of the compositional variation of acyclic paraffins during expulsion from source rocks. <i>Journal of Geochemical Exploration</i> , 2006, 89, 100-103.	1.5	2

#	ARTICLE	IF	CITATIONS
289	Understanding obduction dynamics – structural and thermal history of the Oman Mountains. <i>Geotectonic Research</i> , 2015, 97, 40-43.	0.1	2
290	Geochemical composition of oils from the Gifhorn Trough and Lower Saxony Basin in comparison to Posidonia Shale source rocks from the Hils Syncline, Northern Germany. <i>Zeitschrift Der Deutschen Gesellschaft Fur Geowissenschaften</i> , 2016, 167, 315-331.	0.1	2
291	SOURCE ROCK POTENTIAL AND DEPOSITIONAL ENVIRONMENT OF MIDDLE – UPPER JURASSIC SEDIMENTARY ROCKS, BLUE NILE BASIN, ETHIOPIA. <i>Journal of Petroleum Geology</i> , 2020, 43, 401-417.	0.9	2
292	Linking petrographical and petrophysical properties to transport characteristics: A case from Boom Clay and Eigenbilzen Sands. <i>Applied Clay Science</i> , 2020, 190, 105568.	2.6	2
293	Tectonic control on hydrocarbon generation in the northwestern Neuqu�n Basin, Argentina. <i>AAPG Bulletin</i> , 2020, 104, 2173-2208.	0.7	2
294	Source rock characterisation of the Rupelian Fish Shale (Bodenheim Fm. /Hochberg Sbfm.) – An organic geochemical profile from the clay pit "Unterfeld" (Rauenberg, Germany) in the Upper Rhine Graben. <i>Zeitschrift Der Deutschen Gesellschaft Fur Geowissenschaften</i> , 2017, 168, 217-232.	0.1	2
295	Formation of Organic-Rich Sediments and Sedimentary Rocks. , 2020, , 475-492.		2
296	Improved Understanding of Hydrocarbon Expulsion and Associated Fracturing During Successive Stages of Maturation: Insights from the Artificial Maturation of Organic-Rich, Immature to Early Mature Source Rocks. , 2022, , .		2
297	Paleoecological trends and petroleum potential of Upper Carboniferous coal seams of Western Germany. <i>International Journal of Coal Geology</i> , 1990, 16, 197-200.	1.9	1
298	Comparative Study of the Release of Molecular Nitrogen from Sedimentary Matter During Non-Isothermal Pyrolysis. <i>ACS Symposium Series</i> , 1998, , 254-276.	0.5	1
299	Marlies Teichm�ller (1914–2000). <i>Organic Geochemistry</i> , 2001, 32, 1-2.	0.9	1
300	Reprint of: Maturity modelling integrated with apatite fission-track dating: Implications for the thermal history of the Mid-Polish Trough (Poland). <i>Marine and Petroleum Geology</i> , 2010, 27, 724-731.	1.5	1
301	Petroleum generation and storage in the Pennsylvanian coal-bearing strata of the M�nsterland Basin, Western Germany: 3D basin modelling approach. <i>Zeitschrift Der Deutschen Gesellschaft Fur Geowissenschaften</i> , 2019, 169, 475-494.	0.1	1
302	Impact of burial history on petrophysical properties of Jurassic and Lower Cretaceous mudstones as potential nuclear waste storage sites in the Lower Saxony Basin, Northern Germany. <i>Zeitschrift Der Deutschen Gesellschaft Fur Geowissenschaften</i> , 2019, 170, 339-355.	0.1	1
303	2D numerical modelling of hydrocarbon generation at an active continental margin – Costa Rica. <i>Journal of Geochemical Exploration</i> , 2003, 78-79, 227-230.	1.5	0
304	Sedimentary basin evolution: subsidence, salt dynamics, fluid flow and deformation. <i>International Journal of Earth Sciences</i> , 2008, 97, 883-886.	0.9	0
305	Numerical Simulation of the Syn- to Post-Depositional History of a Prograding Carbonate Platform: The Rosengarten, Middle Triassic, Dolomites, Italy. , 2009, , 1-36.		0
306	Maturity modelling integrated with apatite fission-track dating: Implications for the thermal history of the Mid-Polish Trough (Poland) [<i>Marine and Petroleum Geology</i> 27 (2010), 108-115]. <i>Marine and Petroleum Geology</i> , 2010, 27, 600.	1.5	0

#	ARTICLE	IF	CITATIONS
307	Formation of Organic-Rich Sediments and Sedimentary Rocks. , 2019, , 1-18.		0
308	Thermo-Tectonic Evolution and Numerical Petroleum System Modeling of One of the Oil Fields on Krasnoleninsky Arch, SW West Siberian Basin (Russian). , 2020, , .		0
309	Thermo-Tectonic Evolution and Numerical Petroleum System Modeling of One of the Oil Fields on Krasnoleninsky Arch, SW West Siberian Basin. , 2020, , .		0
310	Organic Geochemistry and Source Rock Potential of the Bazhenov Black Shales from the West Siberian Basin, Russia. , 2021, , .		0
311	Influence of Quaternary glaciations on subsurface temperatures, pore pressures, rock properties and petroleum systems in the onshore northeastern Netherlands. Geologie En Mijnbouw/Netherlands Journal of Geosciences, 2022, 101, .	0.6	0
312	Reconstructing 3D subsurface salt flow. Solid Earth, 2022, 13, 1027-1043.	1.2	0