Leszek Marynowski

List of Publications by Year
in descending order

116 papers	3,328 citations	147801 31 h-index	182427 51 g-index
116 all docs	116 docs citations	116 times ranked	2648 citing authors

#	Article	IF	Citations
1	Levoglucosan and other cellulose and lignin markers in emissions from burning of Miocene lignites. Atmospheric Environment, 2009, 43, 2286-2295.	4.1	190
2	WIDESPREAD UPPER TRIASSIC TO LOWER JURASSIC WILDFIRE RECORDS FROM POLAND: EVIDENCE FROM CHARCOAL AND PYROLYTIC POLYCYCLIC AROMATIC HYDROCARBONS. Palaios, 2009, 24, 785-798.	1.3	145
3	Water column euxinia and wildfire evidence during deposition of the Upper Famennian Hangenberg event horizon from the Holy Cross Mountains (central Poland). Geological Magazine, 2007, 144, 569-595.	1.5	108
4	Deciphering the upper Famennian Hangenberg Black Shale depositional environments based on multi-proxy record. Palaeogeography, Palaeoclimatology, Palaeoecology, 2012, 346-347, 66-86.	2.3	108
5	Mercury enrichments and the Frasnian-Famennian biotic crisis: A volcanic trigger proved?. Geology, 2018, 46, 543-546.	4.4	107
6	Effects of weathering on organic matter: I. Changes in molecular composition of extractable organic compounds caused by paleoweathering of a Lower Carboniferous (Tournaisian) marine black shale. Chemical Geology, 2011, 285, 144-156.	3.3	89
7	Perylene as an indicator of conifer fossil wood degradation by wood-degrading fungi. Organic Geochemistry, 2013, 59, 143-151.	1.8	89
8	Biomarkers as environmental indicators in a carbonate complex, example from the Middle to Upper Devonian, Holy Cross Mountains, Poland. Sedimentary Geology, 2000, 137, 187-212.	2.1	83
9	Anoxic Annulata Events in the Late Famennian of the Holy Cross Mountains (Southern Poland): Geochemical and palaeontological record. Palaeogeography, Palaeoclimatology, Palaeoecology, 2010, 297, 549-575.	2.3	71
10	Compositions, sources and depositional environments of organic matter from the Middle Jurassic clays of Poland. Applied Geochemistry, 2007, 22, 2456-2485.	3.0	68
11	Determination of multiple organic matter sources in aerosol PM10 from WrocÅ‚aw, Poland using molecular and stable carbon isotope compositions. Atmospheric Environment, 2014, 89, 739-748.	4.1	64
12	Phenylnaphthalenes and polyphenyls in Palaeozoic source rocks of the Holy Cross Mountains, Poland. Organic Geochemistry, 2001, 32, 69-85.	1.8	62
13	Levoglucosan and Other Cellulose Markers in Pyrolysates of Miocene Lignites: Geochemical and Environmental Implications. Environmental Science & Technology, 2008, 42, 2957-2963.	10.0	60
14	Phenyldibenzofurans and phenyldibenzothiophenes in marine sedimentary rocks and hydrothermal petroleum. Organic Geochemistry, 2002, 33, 701-714.	1.8	59
15	Biomolecules preserved in ca. 168 million year old fossil conifer wood. Die Naturwissenschaften, 2007, 94, 228-236.	1.6	57
16	Organic geochemical study and genetic correlation of natural gas, oil and Menilite source rocks in the area between San and Stryi rivers (Polish and Ukrainian Carpathians). Organic Geochemistry, 2007, 38, 1431-1456.	1.8	54
17	Molecular and petrographic indicators of redox conditions and bacterial communities after the F/F mass extinction (Kowala, Holy Cross Mountains, Poland). Palaeogeography, Palaeoclimatology, Palaeoecology, 2011, 306, 1-14.	2.3	54
18	Coprolites of Late Triassic carnivorous vertebrates from Poland: An integrative approach. Palaeogeography, Palaeoclimatology, Palaeoecology, 2015, 430, 21-46.	2.3	53

#	Article	IF	Citations
19	Geochemical and palynological study of the Upper Famennian Dasberg event horizon from the Holy Cross Mountains (central Poland). Geological Magazine, 2010, 147, 527-550.	1.5	51
20	First multi-proxy record of Jurassic wildfires from Gondwana: Evidence from the Middle Jurassic of the NeuquÃ©n Basin, Argentina. Palaeogeography, Palaeoclimatology, Palaeoecology, 2011, 299, 129-136.	2.3	49
21	Influence of palaeoweathering on trace metal concentrations and environmental proxies in black shales. Palaeogeography, Palaeoclimatology, Palaeoecology, 2017, 472, 177-191.	2.3	47
22	Novel arylated polyaromatic thiophenes: Phenylnaphtho[b]thiophenes and naphthylbenzo[b]thiophenes as markers of organic matter diagenesis buffered by oxidising solutions. Organic Geochemistry, 2007, 38, 1729-1756.	1.8	46
23	Effects of weathering on organic matter. Organic Geochemistry, 2011, 42, 1076-1088.	1.8	46
24	Pulses of enhanced continental weathering associated with multiple Late Devonian climate perturbations: Evidence from osmium-isotope compositions. Palaeogeography, Palaeoclimatology, Palaeoecology, 2019, 524, 240-249.	2.3	46
25	Novel aryl polycyclic aromatic hydrocarbons: Phenylphenanthrene and phenylanthracene identification, occurrence and distribution in sedimentary rocks. Organic Geochemistry, 2009, 40, 986-1004.	1.8	43
26	Evidence for shallow-water â€˜Upper Kellwasserâ€™ anoxia in the Frasnianâ€“Famennian reefs of Alberta, Canada. Lethaia, 2013, 46, 355-368.	1.4	42
27	Origin and paleoecology of Middle Jurassic hiatus concretions from Poland. Facies, 2011, 57, 275-300.	1.4	39
28	Distribution of coal and coal combustion related organic pollutants in the environment of the Upper Silesian Industrial Region. Science of the Total Environment, 2018, 628-629, 1462-1488.	8.0	39
29	Hydrothermal alteration of the Ediacaran Doushantuo Formation in the Yangtze Gorges area (South) Tj ETQq1 1 0.784314 rgBT /Over	3.9	37
30	Molecular composition of fossil charcoal and relationship with incomplete combustion of wood. Organic Geochemistry, 2014, 77, 22-31.	1.8	37
31	Ammonite fauna from uppermost Bajocian (Middle Jurassic) calcitic concretions from theÂPolish Juraâ€”biogeographical andÂtaphonomical implications. Geobios, 2006, 39, 426-442.	1.4	33
32	Lignite biodegradation under conditions of acidic molasses fermentation. International Journal of Coal Geology, 2018, 196, 274-287.	5.0	33
33	Mercury Spikes Indicate a Volcanic Trigger for the Late Ordovician Mass Extinction Event: An Example from a Deep Shelf of the Peri-Baltic Region. Scientific Reports, 2019, 9, 3139.	3.3	33
34	Systematic relationships of the Mesozoic wood genus Xenoxylon: an integrative biomolecular and palaeobotanical approach. Neues Jahrbuch Fur Geologie Und Palaontologie - Abhandlungen, 2008, 247, 177-189.	0.4	31
35	Redox conditions during sedimentation of the Middle Jurassic (Upper Bajocianâ€“Bathonian) clays of the Polish Jura (south-central Poland). Facies, 2009, 55, 103-114.	1.4	31
36	Lower Wenlock black shales in the northern Holy Cross Mountains, Poland: sedimentary and geochemical controls on the Ireviken Event in a deep marine setting. Geological Magazine, 2017, 154, 247-264.	1.5	31

#	Article	IF	Citations
37	Middle Jurassic (Bathonian) encrusted oncoids from the Polish Jura, southern Poland. Facies, 2012, 58, 57-77.	1.4	30
38	Redox conditions and marine microbial community changes during the end-Ordovician mass extinction event. Global and Planetary Change, 2017, 149, 105-122.	3.5	30
39	Redox conditions, productivity, and volcanic input during deposition of uppermost Jurassic and Lower Cretaceous organic-rich siltstones in Spitsbergen, Norway. Cretaceous Research, 2018, 89, 126-147.	1.4	30
40	Organic geochemical evidences of early-diagenetic oxidation of the terrestrial organic matter during the Triassic arid and semi arid climatic conditions. Applied Geochemistry, 2008, 23, 2612-2618.	3.0	29
41	Perylene degradation during gradual onset of organic matter maturation. International Journal of Coal Geology, 2015, 139, 17-25.	5.0	29
42	Large environmental disturbances caused by magmatic activity during the Late Devonian Hangenberg Crisis. Global and Planetary Change, 2020, 190, 103155.	3.5	29
43	Hydrothermal alteration of the Ediacaran Volyn-Brest volcanics on the western margin of the East European Craton. Precambrian Research, 2019, 325, 217-235.	2.7	28
44	Middle Famennian (Late Devonian) interval with pyritized fauna from the Holy Cross Mountains (Poland): Organic geochemistry and pyrite framboid diameter study. Geochemical Journal, 2007, 41, 187-200.	1.0	27
45	Llandovery green/grey and black mudrock facies of the northern Holy Cross Mountains (Poland) and their relation to early Silurian sea-level changes and benthic oxygen level. Sedimentary Geology, 2016, 342, 66-77.	2.1	26
46	Methanogenic fermentation of lignite with carbon-bearing additives, inferred from stable carbon and hydrogen isotopes. International Journal of Coal Geology, 2018, 186, 65-79.	5.0	26
47	Binding of heavy metals by oxidised kerogen in (palaeo)weathered black shales. Chemical Geology, 2018, 493, 441-450.	3.3	26
48	Organic matter from the Callovian (Middle Jurassic) deposits of Lithuania: Compositions, sources and depositional environments. Applied Geochemistry, 2010, 25, 933-946.	3.0	24
49	Weathering, sedimentary and diagenetic controls of mineral and geochemical characteristics of the vertebrate-bearing Silesian Keuper. Clay Minerals, 2014, 49, 569-594.	0.6	24
50	Rootâ€related rhodochrosite and concretionary siderite formation in oxygenâ€deficient conditions induced by a groundâ€water table rise. Sedimentology, 2016, 63, 523-551.	3.1	24
51	Benthic anoxia, intermittent photic zone euxinia and elevated productivity during deposition of the Lower Permian, post-glacial fossiliferous black shales of the ParanÃ¡ Basin, Brazil. Global and Planetary Change, 2017, 158, 155-172.	3.5	24
52	Exceptional preservation of hopanoid and steroid biomarkers in Ediacaran sedimentary rocks of the East European Craton. Precambrian Research, 2018, 316, 38-47.	2.7	24
53	Composition of organic compounds from low-temperature burning of lignite and their application as tracers in ambient air. Chemosphere, 2020, 249, 126087.	8.2	24
54	Organic geochemistry and palynofacies of the Earlyâ€“Middle Frasnian transition (Late Devonian) of the Holy Cross Mountains, Southern Poland. Palaeogeography, Palaeoclimatology, Palaeoecology, 2008, 269, 152-165.	2.3	22

#	Article	IF	Citations
55	Terpenoid biomarkers of ambers from Miocene tropical paleoenvironments in Borneo and of their potential extant plant sources. International Journal of Coal Geology, 2020, 221, 103430.	5.0	22
56	Comparison of phenyldibenzothiophene distributions predicted from molecular modelling with relevant experimental and geological data. Organic Geochemistry, 2008, 39, 1800-1815.	1.8	21
57	Multi-variable constraints of gas exploration potential in the Lower Silurian shale of the Baltic Basin (Poland). International Journal of Coal Geology, 2017, 179, 45-59.	5.0	21
58	Occurrence and significance of mono-, di- and anhydrosaccharide biomolecules in Mesozoic and Cenozoic lignites and fossil wood. Organic Geochemistry, 2018, 116, 13-22.	1.8	21
59	Volcanic related methylmercury poisoning as the possible driver of the end-Devonian Mass Extinction. Scientific Reports, 2020, 10, 7344.	3.3	21
60	Trehalose, mannitol and arabitol as indicators of fungal metabolism in Late Cretaceous and Miocene deposits. International Journal of Coal Geology, 2019, 201, 51-61.	5.0	20
61	Saccharides in atmospheric particulate and sedimentary organic matter: Status overview and future perspectives. Chemosphere, 2022, 288, 132376.	8.2	20
62	Low-temperature zircon growth related to hydrothermal alteration of siderite concretions in Mississippian shales, Scotland. Contributions To Mineralogy and Petrology, 2012, 164, 245-259.	3.1	19
63	Phenyl derivatives of polycyclic aromatic compounds as indicators of hydrothermal activity in the Silurian black siliceous shales of the Bardzkie Mountains, Poland. International Journal of Coal Geology, 2015, 139, 142-151.	5.0	19
64	Reactivation of cation exchange properties in black shales. International Journal of Coal Geology, 2016, 158, 65-77.	5.0	19
65	Hypericinoid Pigments In Millericrinids From the Lower Kimmeridgian Of the Holy Cross Mountains (Poland). Palaios, 2008, 23, 773-777.	1.3	18
66	The Werra cyclotheme (Upper Permian, Fore-Sudetic Monocline, Poland): Insights into fluctuations of the sedimentary environment from organic geochemical studies. Applied Geochemistry, 2013, 29, 73-91.	3.0	18
67	Phosphorus-cycle disturbances during the Late Devonian anoxic events. Global and Planetary Change, 2020, 184, 103070.	3.5	18
68	Molecular tracers preserved in Lower Jurassic â€œBlanowice brown coalsâ€•from southern Poland at the onset of coalification: Organic geochemical and petrological characteristics. Organic Geochemistry, 2016, 102, 77-92.	1.8	17
69	Longâ€distance fluid migration defines the diagenetic history of unique Ediacaran sediments in the East European Craton. Basin Research, 2021, 33, 570-593.	2.7	16
70	Origin of organic matter from tectonic zones in the Western Tatra Mountains Crystalline Basement, Poland: An example of bitumenâ€”source rock correlation. Marine and Petroleum Geology, 2006, 23, 261-279.	3.3	15
71	Fluid circulation and formation of minerals and bitumens in the sedimentary rocks of the Outer Carpathians â€“ Based on studies on the quartzâ€“calciteâ€“organic matter association. Marine and Petroleum Geology, 2012, 32, 138-158.	3.3	15
72	News from an old wood â€” Agathoxylon keuperianum (Unger) nov. comb. in the Keuper of Poland and France. Review of Palaeobotany and Palynology, 2015, 221, 83-91.	1.5	14

#	Article	IF	Citations
73	Baltic provenance of top-Famennian siliciclastic material of the northern Rhenish Massif, Rhenohercynian zone of the Variscan orogen. International Journal of Earth Sciences, 2018, 107, 2645-2669.	1.8	14
74	Early diagenetic conditions during formation of the Callovian (Middle Jurassic) carbonate concretions from Lukow (eastern Poland): evidence from organic geochemistry, pyrite framboid diameters and petrographic study. Neues Jahrbuch Fur Geologie Und Palaontologie - Abhandlungen, 2008, 247, 191-208.	0.4	13
75	Vitrinite equivalent reflectance of Silurian black shales from the Holy Cross Mountains, Poland. Mineralogia, 2014, 45, 79-96.	0.8	13
76	The expression of the Hangenberg Event (latest Devonian) in a relatively shallow-marine succession (Pomeranian Basin, Poland): the results of a multi-proxy investigation. Geological Magazine, 2015, 152, 400-428.	1.5	13
77	Pedogenic siderites fossilizing Ediacaran soil microorganisms on the Baltica paleocontinent. Geology, 2020, 48, 62-66.	4.4	13
78	Age and Origin of the Well-Preserved Organic Matter in Internal Sediments from the Silesian-Cracow Lead-Zinc Deposits, Southern Poland. Economic Geology, 2017, 112, 775-798.	3.8	12
79	Co-occurrence of charcoal, polycyclic aromatic hydrocarbons and terrestrial biomarkers in an early Permian swamp to lagoonal depositional system, ParanÃ¡ Basin, Rio Grande do Sul, Brazil. International Journal of Coal Geology, 2020, 230, 103590.	5.0	12
80	Sagenopteris (Caytoniales) with its possible preserved biomarkers from the Bathonian of the Polish Jura, south-central Poland. Neues Jahrbuch FÃ¼r Geologie Und PalÃontologie, 2006, 2006, 385-402.	0.3	12
81	Microbial methane formation from different lithotypes of Miocene lignites from the Konin Basin, Poland: Geochemistry of the gases and composition of the microbial communities. International Journal of Coal Geology, 2020, 229, 103558.	5.0	11
82	Variations in Î´13C values of levoglucosan from low-temperature burning of lignite and biomass. Science of the Total Environment, 2020, 733, 138991.	8.0	11
83	Anomalous Upper Devonian mercury enrichments: comparison of Inductively Coupled Plasma â€“ Mass Spectrometry (ICP-MS) and Atomic Absorption Spectrometry (AAS) analytical data. Geological Quarterly, 2018, 62, .	0.2	11
84	Seasonal and vertical variability of saccharides and other organic tracers of PM10 in relation to weather conditions in an urban environment of Upper Silesia, Poland. Atmospheric Environment, 2020, 242, 117849.	4.1	10
85	High concentrations of HgS, MeHg and toxic gas emissions in thermally affected waste dumps from hard coal mining in Poland. Journal of Hazardous Materials, 2022, 431, 128542.	12.4	9
86	Organic matter maturity and hydrocarbon potential of the Lower Oligocene Menilite facies in the Eastern Flysch Carpathians (TarcÄƒu and Vrancea Nappes), Romania. Applied Geochemistry, 2017, 78, 295-310.	3.0	8
87	Application of organic environmental markers in the assessment of recent and fossil organic matter input in coal wastes and river sediments: A case study from the Upper Silesia Coal Basin (Poland). International Journal of Coal Geology, 2018, 196, 302-316.	5.0	8
88	Paleoenvironmental conditions, source and maturation of Neogene organic matter from the siliciclastic deposits of the Orava-Nowy Targ Basin. International Journal of Coal Geology, 2018, 196, 288-301.	5.0	8
89	Utility of Raman spectroscopy in estimates of the thermal maturity of Ediacaran organic matter: An example from the East European Craton. Chemie Der Erde, 2019, 79, 467-474.	2.0	8
90	Origin and significance of saccharides during initial pedogenesis in a temperate climate region. Geoderma, 2020, 361, 114064.	5.1	8

#	Article	IF	Citations
91	Preservation of hemicellulose remnants in sedimentary organic matter. Geochimica Et Cosmochimica Acta, 2021, 310, 32-46.	3.9	8
92	Coincidence of photic zone euxinia and impoverishment of arthropods in the aftermath of the Frasnian-Famennian biotic crisis. Scientific Reports, 2019, 9, 16996.	3.3	7
93	Monoterpenylabietenoids, novel biomarkers from extant and fossil Taxodioideae and sedimentary rocks. Organic Geochemistry, 2021, 154, 104172.	1.8	7
94	Mercury evidence of intense submarine volcanism and hydrothermal activity during a mid-Tournaisian anoxic event in the Carnic Alps. Gondwana Research, 2022, 109, 225-238.	6.0	7
95	The organic and mineral matter contents in deposits infilling floodplain basins: Holocene alluviation record from the KÅ‚odnica and OsobÅ‚oga river valleys, southern Poland. Geomorphology, 2012, 159-160, 15-29.	2.6	6
96	The mid-Tournaisian (Early Carboniferous) anoxic event in the Laurussian shelf basin (Poland): An integrative approach. Palaeogeography, Palaeoclimatology, Palaeoecology, 2021, 566, 110236.	2.3	6
97	Early Oligocene environment of the Central Paratethys revealed by biomarkers and pyrite framboids from the TarcÄƒu and Vrancea Nappes (Eastern Outer Carpathians, Romania). Marine and Petroleum Geology, 2021, 128, 105037.	3.3	6
98	Evidence of wildfires during deposition of the Upper Silesian Keuper succession, southern Poland. Annales Societatis Geologorum Poloniae, 0, , .	0.1	6
99	Benzohopane Series, Their Novel Di-, Tri-, and Tetraaromatic Derivatives, and Diaromatic 23- and 24-Norbenzohopanes from the Lower Jurassic Blanowice Formation, Southern Poland. Energy & Fuels, 2017, 31, 2617-2624.	5.1	5
100	Decomposition of carbon-bearing compounds and their influence on methane formation in a lignite incubation experiment. Geomicrobiology Journal, 2019, 36, 63-74.	2.0	4
101	1,5-Naphthalene disulfonate stability and breakdown kinetics in aqueous solutions under geothermal conditions. Geothermics, 2021, 91, 102038.	3.4	4
102	The Characteristics of Organic Matter from the Triassic Clays of nw Margin of the Holy Cross Mts (Poland) â€" Preliminary Report. Mineralogia, 2006, 37, 113.	0.8	3
103	Comment on the Kaiho et al., paper â€œA forest fire and soil erosion event during the Late Devonian mass extinctionâ€•[Palaeogeography, Palaeoclimatology, Palaeoecology 392 (2013): 272â€“280]. Palaeogeography, Palaeoclimatology, Palaeoecology, 2015, 417, 569-572.	2.3	3
104	The Carbon Isotope Organic Geochemistry of Early Ordovician Rocks from the Annascaul Formation, County Kerry. Irish Journal of Earth Sciences, 2013, 31, 1-12.	0.3	3
105	Genesis of iron and manganese sediments in Zoloushka Cave (Ukraine/Moldova) as revealed by Î´13C organic carbon. International Journal of Speleology, 2019, 48, 221-235.	1.0	3
106	Combined Nitrogenâ€‰isotope and Cyclostratigraphy Evidence for Temporal and Spatial Variability in Frasnianâ€“Famennian Environmental Change. Geochemistry, Geophysics, Geosystems, 2022, 23, .	2.5	3
107	Reply to Comment by M.F. Pereira, J.B. Silva and C. Gama on â€œBaltic provenance of top-Famennian siliciclastic material of the northern Rhenish Massif, Rhenohercynian zone of the Variscan orogen, by Koltonik et al., International Journal of Earth Sciences (2018) 107:2645â€“2669â€• International Journal of Earth Sciences, 2019, 108, 1075-1078.	1.8	2
108	Paleoenvironment, organic matter maturity and the hydrocarbon potential of Menilite shales (Silesian Unit, Polish Outer Carpathians) â€" Organic and inorganic geochemical proxies. Marine and Petroleum Geology, 2022, 142, 105767.	3.3	2

#	Article	IF	Citations
109	Aromatic hydrocarbons from the Middle Jurassic fossil wood of the Polish Jura. Contemporary Trends in Geoscience, 2013, 2, 82-90.	0.5	1
110	Organic geochemical characteristics of the Mississippian black shales from Wardie, Scotland. Earth and Environmental Science Transactions of the Royal Society of Edinburgh, 2015, 106, 55-65.	0.3	1
111	The stability of polyaromatic naphthalene sulfonates in hydrothermal solutions to 330ÂÂ°C at equilibrium saturated vapour pressure. Geothermics, 2022, 104, 102437.	3.4	1
112	The transition toward the Messinian evaporites identified by biomarker records in the organic-rich shales of the Tripoli Formation (Sicily, Italy). International Journal of Coal Geology, 2022, , 104053.	5.0	1
113	Reply to comment on the paper of RakociÅ„ski etÂal. â€œRedox conditions, productivity, and volcanic input during deposition of uppermost Jurassic and Lower Cretaceous organic-rich siltstones in Spitsbergen, Norwayâ€•[Cretaceous Research, 89 (2018): 126â€“147]. Cretaceous Research, 2019, 96, 244.	1.4	0
114	Thermal transformation of chalcedonite artefacts from the Magdalenian site of Ä†mielÃ³w 95â€MaÅ‚y Gawroniecâ€•(Poland). Archaeometry, 0, , .	1.3	0
115	Preservation and Origin of Saccharides from the Mesozoic and Cenozoic Lignites. , 2019, , .		0
116	The First Record of Chamaecydins in Pre-Cenozoic Sediments â€“ the Example from the North Sudetic Basin, Poland. , 2019, , .		0