

Sylvie Derenne

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	A REVIEW OF SOME IMPORTANT FAMILIES OF REFRACTORY MACROMOLECULES: COMPOSITION, ORIGIN, AND FATE IN SOILS AND SEDIMENTS. <i>Soil Science</i> , 2001, 166, 833-847.	0.9	220
2	Solid state CP/MAS ¹³ C NMR of the insoluble organic matter of the Orgueil and Murchison meteorites: quantitative study. <i>Earth and Planetary Science Letters</i> , 2000, 184, 9-21.	4.4	158
3	A novel pathway of soil organic matter formation by selective preservation of resistant straight-chain biopolymers: chemical and isotope evidence. <i>Organic Geochemistry</i> , 1998, 28, 411-415.	1.8	149
4	Influence of green waste, biowaste and paper cardboard initial ratios on organic matter transformations during composting. <i>Bioresource Technology</i> , 2008, 99, 8926-8934.	9.6	130
5	Chemical structure and sources of the macromolecular, resistant, organic fraction isolated from a forest soil (Lacadau, south-west France). <i>Organic Geochemistry</i> , 2000, 31, 813-827.	1.8	122
6	Possible algal origin of long chain odd n-alkanes in immature sediments as revealed by distributions and carbon isotope ratios. <i>Organic Geochemistry</i> , 1994, 22, 1023-1027.	1.8	116
7	Model of molecular structure of the insoluble organic matter isolated from Murchison meteorite. <i>Meteoritics and Planetary Science</i> , 2010, 45, 1461-1475.	1.6	116
8	Enrichment of deuterium in insoluble organic matter from primitive meteorites: A solar system origin?. <i>Earth and Planetary Science Letters</i> , 2006, 243, 15-25.	4.4	111
9	New pyrolytic and spectroscopic data on Orgueil and Murchison insoluble organic matter: A different origin than soluble?. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 3919-3932.	3.9	100
10	Structure and origin of insoluble and non-hydrolyzable, aliphatic organic matter in a forest soil. <i>Organic Geochemistry</i> , 1998, 28, 119-124.	1.8	99
11	Organic matter sources and early diagenetic degradation in a tropical peaty marsh (Tritivakely). <i>Tj ETQq1 1 0.784314 rgBT /Overlock</i> <i>Geochemistry</i> , 2000, 31, 421-438.	1.8	86
12	Molecular evidence for life in the 3.5 billion year old Warrawoona chert. <i>Earth and Planetary Science Letters</i> , 2008, 272, 476-480.	4.4	86
13	Analytical pyrolysis as a tool to probe soil organic matter. <i>Journal of Analytical and Applied Pyrolysis</i> , 2015, 111, 108-120.	5.5	83
14	Extreme deuterium enrichment of organic radicals in the Orgueil meteorite: Revisiting the interstellar interpretation?. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 1914-1923.	3.9	80
15	Ecological distribution of Cenomanian terrestrial plants based on ¹³ C/ ¹² C ratios. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 1999, 145, 79-93.	2.3	79
16	Variation in lipid relative abundance and composition among different particle size fractions of a forest soil. <i>Organic Geochemistry</i> , 2004, 35, 1355-1370.	1.8	78
17	Characterization of chemical structure, degree of maturation and oil potential of Torbanites (type I) <i>Tj ETQq1 1 0.784314 rgBT /Overlock</i>	0.4	77
18	An interlaboratory study of TEX ₈₆ and BIT analysis of sediments, extracts, and standard mixtures. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 5263-5285.	2.5	76

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19	PROTO-PLANETARY DISK CHEMISTRY RECORDED BY D-RICH ORGANIC RADICALS IN CARBONACEOUS CHONDRITES. <i>Astrophysical Journal</i> , 2009, 698, 2087-2092.	4.5	75
20	A comparative study of macromolecular substances of a Coorongite and cell walls of the extant alga <i>Botryococcus braunii</i> . <i>Geochimica Et Cosmochimica Acta</i> , 1993, 57, 2053-2068.	3.9	74
21	The similarity of chemical structures of soluble aliphatic polyaldehyde and insoluble algaenan in the green microalga <i>Botryococcus braunii</i> race A as revealed by analytical pyrolysis. <i>Organic Geochemistry</i> , 1994, 21, 423-435.	1.8	74
22	Chemical structure of the organic matter in a Pliocene maar-type shale: Implicated <i>Botryococcus</i> race strains and formation pathways. <i>Geochimica Et Cosmochimica Acta</i> , 1997, 61, 1879-1889.	3.9	73
23	New insight on aliphatic linkages in the macromolecular organic fraction of Orgueil and Murchison meteorites through ruthenium tetroxide oxidation. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 4377-4386.	3.9	73
24	Refractory organic matter in sediments from the North-West African upwelling system: abundance, chemical structure and origin. <i>Organic Geochemistry</i> , 1999, 30, 101-117.	1.8	66
25	Determination of Structure and Origin of Refractory Organic Matter in Bio-epurated Wastewater via Spectroscopic Methods. Comparison of Conventional and Ozonation Treatments. <i>Environmental Science & Technology</i> , 2000, 34, 3389-3394.	10.0	66
26	Heterogeneous distribution of paramagnetic radicals in insoluble organic matter from the Orgueil and Murchison meteorites. <i>Geochimica Et Cosmochimica Acta</i> , 2002, 66, 4177-4186.	3.9	66
27	Occurrence and distribution of glycerol dialkyl glycerol tetraethers in a French peat bog. <i>Organic Geochemistry</i> , 2010, 41, 559-572.	1.8	66
28	Comparative study of two fractions of riverine dissolved organic matter using various analytical pyrolytic methods and a ¹³ C CP/MAS NMR approach. <i>Organic Geochemistry</i> , 2005, 36, 1418-1442.	1.8	63
29	Early degradation of plant alkanes in soils: A litterbag experiment using ¹³ C-labelled leaves. <i>Soil Biology and Biochemistry</i> , 2011, 43, 2222-2228.	8.8	59
30	New insights into secondary gas generation from the thermal cracking of oil: Methylated monoaromatics. A kinetic approach using 1,2,4-trimethylbenzene. Part I: A mechanistic kinetic model. <i>Organic Geochemistry</i> , 2010, 41, 146-167.	1.8	57
31	First example of an algaenan yielding an aromatic-rich pyrolysate. Possible geochemical implications on marine kerogen formation. <i>Organic Geochemistry</i> , 1996, 24, 617-627.	1.8	56
32	Structure of <i>Chlorella fusca</i> algaenan: relationships with ultralaminae in lacustrine kerogens; species- and environment-dependent variations in the composition of fossil ultralaminae. <i>Organic Geochemistry</i> , 1992, 18, 417-422.	1.8	55
33	Effects of a short-term experimental microclimate warming on the abundance and distribution of branched GDGTs in a French peatland. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 105, 294-315.	3.9	55
34	Potential of GDGTs as a temperature proxy along an altitudinal transect at Mount Rungwe (Tanzania). <i>Organic Geochemistry</i> , 2014, 68, 82-89.	1.8	53
35	Direct relationship between the resistant biopolymer and the tetraterpenic hydrocarbon in the lycopadiene race of <i>Botryococcus braunii</i> . <i>Phytochemistry</i> , 1990, 29, 2187-2192.	2.9	52
36	Abundance and composition of the refractory organic fraction of an ancient, tropical soil (Pointe) Tj ETQq0 0 0 rgBTJ (Overlock, 10 Tf 50	1.8	52

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37	Occurrence of abundant diradicaloid moieties in the insoluble organic matter from the Orgueil and Murchison meteorites: a fingerprint of its extraterrestrial origin?. <i>Geochimica Et Cosmochimica Acta</i> , 2004, 68, 881-891.	3.9	49
38	Origin and formation pathways of kerogen-like organic matter in recent sediments off the Danube delta (northwestern Black Sea). <i>Organic Geochemistry</i> , 2000, 31, 1663-1683.	1.8	48
39	Organic matter sources and early diagenetic alterations in Arctic surface sediments (Lena River delta) Tj ETQq1 1 0.784314 rgBT /Over <i>Organic Geochemistry</i> , 1996, 24, 841-857.	1.8	46
40	The Raman-Derived Carbonization Continuum: A Tool to Select the Best Preserved Molecular Structures in Archean Kerogens. <i>Astrobiology</i> , 2016, 16, 407-417.	3.0	46
41	Scope and limitations of flash pyrolysis-gas chromatography/mass spectrometry as revealed by the thermal behaviour of high-molecular-weight lipids derived from the green microalga <i>Botryococcus braunii</i> . <i>Journal of Analytical and Applied Pyrolysis</i> , 1994, 28, 183-204.	5.5	44
42	Organic matter sources and early diagenetic alterations in Arctic surface sediments (Lena River delta) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.8	44
43	Production rates of bacterial tetraether lipids and fatty acids in peatland under varying oxygen concentrations. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 203, 103-116.	3.9	43
44	Variation in lipid relative abundance and composition among different particle size fractions of a forest soil. <i>Organic Geochemistry</i> , 2004, 35, 1355-1370.	1.8	43
45	High resolution TEM of chondritic carbonaceous matter: Metamorphic evolution and heterogeneity. <i>Meteoritics and Planetary Science</i> , 2012, 47, 345-362.	1.6	42
46	32,35-Anhydrobacteriohopanetetrol: an unusual bacteriohopanepolyol widespread in recent and past environments. <i>Organic Geochemistry</i> , 2005, 36, 673-677.	1.8	41
47	Occurrence and distribution of extractable glycerol dialkyl glycerol tetraethers in podzols. <i>Organic Geochemistry</i> , 2010, 41, 291-301.	1.8	40
48	Can cutin and suberin biomarkers be used to trace shoot and root-derived organic matter? A molecular and isotopic approach. <i>Biogeochemistry</i> , 2011, 106, 23-38.	3.5	40
49	Effects of fungal infection on lipid extract composition of higher plant remains: comparison of shoots of a Cenomanian conifer, uninfected and infected by extinct fungi. <i>Organic Geochemistry</i> , 2000, 31, 1743-1754.	1.8	39
50	Sulfur speciation in kerogens of the Orbagnoux deposit (Upper Kimmeridgian, Jura) by XANES spectroscopy and pyrolysis. <i>Organic Geochemistry</i> , 2002, 33, 877-895.	1.8	39
51	Characterizing the molecular structure of organic matter from natural environments: An analytical challenge. <i>Comptes Rendus - Geoscience</i> , 2014, 346, 53-63.	1.2	39
52	Chemical characterization of torbanites by transmission micro-FTIR spectroscopy: Origin and extent of compositional heterogeneities. <i>Geochimica Et Cosmochimica Acta</i> , 1993, 57, 2529-2539.	3.9	37
53	Spectroscopic, kinetic and pyrolytic studies of kerogen from the dark parallel laminae facies of the sulphur-rich Orbagnoux deposit (Upper Kimmeridgian, Jura). <i>Organic Geochemistry</i> , 1999, 30, 39-56.	1.8	37
54	Structural and isotopic analysis of kerogens in sediments rich in free sulfurised <i>Botryococcus braunii</i> biomarkers. <i>Organic Geochemistry</i> , 2003, 34, 471-482.	1.8	36

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55	Size discontinuity between interstellar and chondritic aromatic structures: A high-resolution transmission electron microscopy study. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 3911-3917.	3.9	36
56	Deciphering the weathering processes using environmental mineralogy and geochemistry: Towards an integrated model of laterite and podzol genesis in the Upper Amazon Basin. <i>Comptes Rendus - Geoscience</i> , 2011, 343, 188-198.	1.2	35
57	Al speciation in tropical podzols of the upper Amazon Basin: A solid-state ²⁷ Al MAS and MQMAS NMR study. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 3211-3222.	3.9	34
58	Structure, composition, and location of organic matter in the enstatite chondrite Sahara 97096 (EH3). <i>Meteoritics and Planetary Science</i> , 2012, 47, 8-29.	1.6	33
59	Evolution of the chemical composition of Ginkgo biloba external and internal leaf lipids through senescence and litter formation. <i>Organic Geochemistry</i> , 2001, 32, 45-55.	1.8	32
60	Extreme oxygen isotope ratios in the early Solar System. <i>Nature</i> , 2005, 437, 385-388.	27.8	32
61	Can oil shales be used to produce fullerenes?. <i>Organic Geochemistry</i> , 1996, 24, 715-723.	1.8	29
62	A geochemical investigation of carboxylic acids released via sequential treatments of two surficial sediments from the Changjiang delta and East China Sea. <i>Organic Geochemistry</i> , 2000, 31, 375-388.	1.8	29
63	Formation pathways of proto-kerogens in Holocene sediments of the upwelling influenced Cariaco Trench, Venezuela. <i>Organic Geochemistry</i> , 2003, 34, 701-718.	1.8	28
64	Branched tetraether membrane lipids associated with rhizoliths in loess: Rhizomicrobial overprinting of initial biomarker record. <i>Organic Geochemistry</i> , 2012, 43, 12-19.	1.8	28
65	Molecular fate of root and shoot litter on incorporation and decomposition in earthworm casts. <i>Organic Geochemistry</i> , 2016, 101, 1-10.	1.8	27
66	FROG: A global machine-learning temperature calibration for branched GDGTs in soils and peats. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 318, 468-494.	3.9	27
67	Relative efficiency of the Selective Preservation and Degradation Recondensation pathways in kerogen formation. Source and environment influence on their contributions to type I and II kerogens. <i>Organic Geochemistry</i> , 1993, 20, 611-615.	1.8	26
68	Characterisation of organic matter from organo-mineral complexes in an Andosol from Reunion Island. <i>Journal of Analytical and Applied Pyrolysis</i> , 2013, 99, 92-100.	5.5	26
69	Disentangling interactions between microbial communities and roots in deep subsoil. <i>Science of the Total Environment</i> , 2017, 575, 135-145.	8.0	26
70	Origin of variations in organic matter abundance and composition in a lithologically homogeneous maar-type oil shale deposit (G�rce, Pliocene, Hungary). <i>Organic Geochemistry</i> , 2000, 31, 787-798.	1.8	25
71	Comparison of leaf lipids from a fossil ginkgoalean plant and its extant counterpart at two degradation stages: diagenetic and chemotaxonomic implications. <i>Review of Palaeobotany and Palynology</i> , 2003, 124, 63-78.	1.5	25
72	Interlayer trapping of noble gases in insoluble organic matter of primitive meteorites. <i>Earth and Planetary Science Letters</i> , 2005, 236, 569-578.	4.4	25

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73	Biradical character of D-rich carriers in the insoluble organic matter of carbonaceous chondrites: A relic of the protoplanetary disk chemistry. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 326-336.	3.9	24
74	Root-associated branched tetraether source microorganisms may reduce estimated paleotemperatures in subsoil. <i>Chemical Geology</i> , 2013, 356, 1-10.	3.3	24
75	Evaluation of 3-hydroxy fatty acids as a pH and temperature proxy in soils from temperate and tropical altitudinal gradients. <i>Organic Geochemistry</i> , 2019, 129, 1-13.	1.8	23
76	Molecular study of insoluble organic matter in Kainsaz CO3 carbonaceous chondrite: Comparison with CI and CM IOM. <i>Meteoritics and Planetary Science</i> , 2008, 43, 1099-1111.	1.6	22
77	The insoluble organic matter in carbonaceous chondrites: Chemical structure, isotopic composition and origin. <i>Comptes Rendus - Geoscience</i> , 2007, 339, 895-906.	1.2	20
78	New insights into secondary gas generation from the thermal cracking of oil: Methylated mono-aromatics. A kinetic approach using 1,2,4-trimethylbenzene. Part II: An empirical kinetic model. <i>Organic Geochemistry</i> , 2010, 41, 168-176.	1.8	20
79	Podzolisation and exportation of organic matter in black waters of the Rio Negro (upper Amazon) Tj ETQq1 1 0.784314 rgBT /Overlock 3.5 20	3.5	20
80	Evaluation of branched GDGTs and leaf wax n-alkane δ^2H as (paleo) environmental proxies in East Africa. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 198, 182-193.	3.9	20
81	Comparative studies of the kinetic parameters of various algaenans and kerogens via open-system pyrolyses. <i>Organic Geochemistry</i> , 1997, 26, 705-720.	1.8	19
82	Thermally assisted hydrolysis and methylation of kerogen-like organic matter in a recent sediment off the Danube delta (northwestern Black Sea). <i>Journal of Analytical and Applied Pyrolysis</i> , 2001, 61, 147-164.	5.5	19
83	Novel mono-, di- and tri-unsaturated very long chain (C37-C43) n-alkenes in alkenone-free lacustrine sediments (Lake Masoko, Tanzania). <i>Organic Geochemistry</i> , 2007, 38, 323-333.	1.8	19
84	New insights into secondary gas generation from the thermal cracking of oil: Methylated monoaromatics. A kinetic approach using 1,2,4-trimethylbenzene. Part III: An isotopic fractionation model. <i>Organic Geochemistry</i> , 2010, 41, 431-436.	1.8	18
85	Leaf lipid degradation in soils and surface sediments: A litterbag experiment. <i>Organic Geochemistry</i> , 2017, 104, 35-41.	1.8	17
86	Occurrence and distribution of non-extractable glycerol dialkyl glycerol tetraethers in temperate and tropical podzol profiles. <i>Organic Geochemistry</i> , 2010, 41, 833-844.	1.8	16
87	Archaeal and bacterial tetraether lipids in tropical ponds with contrasting salinity (Guadeloupe,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 1.8 16 2015, 83-84, 158-169.	1.8	16
88	Hydrogen isotope fractionation in methane plasma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 870-874.	7.1	16
89	Investigation of the Geochemical Preservation of <i>ca.</i> 3.0 Ga Permineralized and Encapsulated Microfossils by Nanoscale Secondary Ion Mass Spectrometry. <i>Astrobiology</i> , 2017, 17, 1192-1202.	3.0	16
90	Occurrence of tightly bound isoprenoid acids in an algal, resistant biomacromolecule: possible geochemical implications. <i>Organic Geochemistry</i> , 1991, 17, 597-602.	1.8	15

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91	Lipids and their modes of occurrence in two surface sediments from the Danube delta and northwestern Black Sea: implications for sources and early diagenetic alteration. <i>Organic Geochemistry</i> , 2004, 35, 959-980.	1.8	15
92	Spectroscopic features of <i>Gloeocapsomorpha prisca</i> colonies and of interstitial matrix in kukersite as revealed by transmission micro-FT-i.r.: location of phenolic moieties. <i>Fuel</i> , 1994, 73, 626-628.	6.4	14
93	Search for EPR markers of the history and origin of the insoluble organic matter in extraterrestrial and terrestrial rocks. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2004, 60, 1349-1357.	3.9	14
94	Chemotaxonomical investigations of fossil and extant beeches. I. Leaf lipids from the extant <i>Fagus sylvatica</i> L.. <i>Comptes Rendus - Palevol</i> , 2007, 6, 451-461.	0.2	14
95	Origin and preservation processes of amorphous organic matter in the Maykop Series (Oligocene-Lower Miocene) of Precaucasus and Azerbaijan. <i>Bulletin - Societe Geologique De France</i> , 2002, 173, 423-436.	2.2	13
96	Oxidation of humic acids from an agricultural soil and a lignite deposit: Analysis of lipophilic and hydrophilic products. <i>Organic Geochemistry</i> , 2007, 38, 2036-2057.	1.8	13
97	Evolution of lipid abundance and molecular composition during the podzolisation of laterites in the upper Amazon basin. <i>Biogeochemistry</i> , 2009, 92, 95-118.	3.5	13
98	Sediment cores representative of contrasting environments in salt flats of the Moknine continental sabkha (Eastern Tunisia): Sedimentology, bulk features of organic matter, alkane sources and alteration. <i>Organic Geochemistry</i> , 2010, 41, 637-652.	1.8	13
99	Influence of environmental parameters on the distribution of bacterial lipids in soils from the French Alps: Implications for paleo-reconstructions. <i>Organic Geochemistry</i> , 2021, 153, 104194.	1.8	13
100	The stereochemistry of forward and reverse reactions in the addition of hydridocobaloxime to (E)-1-phenylpropene. <i>Journal of Organometallic Chemistry</i> , 1987, 322, 229-238.	1.8	12
101	Potential of EPR imaging to detect traces of primitive life in sedimentary rocks. <i>Earth and Planetary Science Letters</i> , 2008, 273, 359-366.	4.4	12
102	What is the meaning of hydrogen-to-carbon ratio determined in Archean organic matter?. <i>Organic Geochemistry</i> , 2018, 122, 140-146.	1.8	12
103	High-temperature Ionization-induced Synthesis of Biologically Relevant Molecules in the Protosolar Nebula. <i>Astrophysical Journal</i> , 2018, 859, 142.	4.5	12
104	A non-chain free radical mechanism for the insertion of sulphur dioxide into carbon-metal bonds. <i>Journal of Organometallic Chemistry</i> , 1985, 286, c47-c50.	1.8	11
105	Mono- and dicyclic unsaturated triterpenoid hydrocarbons in sediments from Lake Masoko (Tanzania) widely extend the botryococcene family. <i>Organic Geochemistry</i> , 2008, 39, 879-893.	1.8	11
106	Probing the aluminum complexation by Siberian riverine organic matter using solid-state DNP-NMR. <i>Chemical Geology</i> , 2017, 452, 1-8.	3.3	11
107	Study of qualitative and quantitative variations in kerogen chemical structure along a microcycle: Correlations with ultrastructural features. 1995, 31-47.		10
108	Deuterium exchange rate between and organic CH bonds: Implication for D enrichment in meteoritic IOM. <i>Geochimica Et Cosmochimica Acta</i>	3.9	10

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109	Toward an experimental synthesis of the chondritic insoluble organic matter. <i>Meteoritics and Planetary Science</i> , 2015, 50, 1408-1422.	1.6	10
110	CW- and pulsed-EPR of carbonaceous matter in primitive meteorites: Solving a lineshape paradox. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008, 69, 1301-1310.	3.9	8
111	Microwave assisted extraction and hydrolysis: An alternative to pyrolysis for the analysis of recalcitrant organic matter? Application to a forest soil (Landes de Gascogne, France). <i>Organic Geochemistry</i> , 2009, 40, 1005-1017.	1.8	8
112	Contrasting variations in the structure and stable carbon isotopic composition of botryococenes through the last glacial-interglacial transition in Lake Masoko (southern Tanzania). <i>Organic Geochemistry</i> , 2012, 43, 150-155.	1.8	8
113	Development of global temperature and pH calibrations based on bacterial 3-hydroxy fatty acids in soils. <i>Biogeosciences</i> , 2021, 18, 3937-3959.	3.3	8
114	Occurrence and distribution of glycerol dialkanol diethers and glycerol dialkyl glycerol tetraethers in a peat core from SW Tanzania. <i>Organic Geochemistry</i> , 2015, 83-84, 170-177.	1.8	7
115	Influence of earthworms on apolar lipid features in soils after 1 year of incubation. <i>Biogeochemistry</i> , 2020, 147, 243-258.	3.5	7
116	Kinetics and mechanism of decomposition of phenylpropylbis(dimethylglyoximate)pyridinecobalt(III) in aqueous sulphuric acid. <i>Journal of Organometallic Chemistry</i> , 1987, 322, 239-248.	1.8	6
117	Characterization of soil organic matter using microwave assisted acid and base hydrolysis. <i>Organic Geochemistry</i> , 2013, 65, 103-117.	1.8	5
118	Impact of climate change on the ecology of the Kyambangunguru crater marsh in southwestern Tanzania during the Late Holocene. <i>Quaternary Science Reviews</i> , 2018, 196, 100-117.	3.0	5
119	Multiple stages of plant root calcification deciphered by chemical and micromorphological analyses. <i>Geobiology</i> , 2021, 19, 75-86.	2.4	5
120	Chemotaxonomical investigations of fossil and extant beeches. II. Leaf lipids of Pliocene <i>Fagus</i> from the Upper Valdarno Basin, central Italy. <i>Comptes Rendus - Palevol</i> , 2007, 6, 515-525.	0.2	4
121	Limitations in interpreting TMAH thermochemolysis of natural organic matter via consideration of glycine and alanine derivatives. <i>Organic Geochemistry</i> , 2010, 41, 1338-1340.	1.8	4
122	Etude de trois torbanites par microspectrofluorimétrie; contribution des différentes fractions constitutives dans la fluorescence totale; corrélations avec la structure chimique; relations avec le degré de maturation. <i>Bulletin - Société Géologique De France</i> , 1989, V, 993-999.	2.2	3
123	Study of atrazine fate in silty loamy soils of the Paris Basin via a combination of isotopic and pyrolytic methods. <i>Bulletin - Société Géologique De France</i> , 2002, 173, 271-279.	2.2	3
124	Artificial formation of medium and long chain 1-haloalkanes during pyrolysis of polar geomacromolecules. <i>Organic Geochemistry</i> , 2008, 39, 342-352.	1.8	2
125	Characterization of Functional Groups in Estuarine Dissolved Organic Matter by DNP-enhanced ¹⁵ N and ¹³ C Solid-State NMR. <i>ChemPhysChem</i> , 2021, 22, 1907-1913.	2.1	2
126	Insoluble Organic Matter in Carbonaceous Chondrites and Archean Cherts. , 2004, , 333-357.		0