

Mourad

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8980224/publications.pdf>

Version: 2024-02-01

30
papers

1,924
citations

361413

20
h-index

454955

30
g-index

30
all docs

30
docs citations

30
times ranked

2810
citing authors

#	ARTICLE	IF	CITATIONS
1	High molecular diversity of extraterrestrial organic matter in Murchison meteorite revealed 40 years after its fall. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 2763-2768.	7.1	466
2	Radar-Enabled Recovery of the Sutter's Mill Meteorite, a Carbonaceous Chondrite Regolith Breccia. <i>Science</i> , 2012, 338, 1583-1587.	12.6	191
3	Analysis of the Unresolved Organic Fraction in Atmospheric Aerosols with Ultrahigh-Resolution Mass Spectrometry and Nuclear Magnetic Resonance Spectroscopy: Organosulfates As Photochemical Smog Constituents. <i>Analytical Chemistry</i> , 2010, 82, 8017-8026.	6.5	158
4	Structural characterization of organic aerosol using Fourier transform ion cyclotron resonance mass spectrometry: Aromaticity equivalent approach. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 2445-2454.	1.5	119
5	Water droplets in oil are microhabitats for microbial life. <i>Science</i> , 2014, 345, 673-676.	12.6	118
6	Molecular characterization of dissolved organic matter from subtropical wetlands: a comparative study through the analysis of optical properties, NMR and FTICR/MS. <i>Biogeosciences</i> , 2016, 13, 2257-2277.	3.3	105
7	How representative are dissolved organic matter (DOM) extracts? A comprehensive study of sorbent selectivity for DOM isolation. <i>Water Research</i> , 2017, 116, 316-323.	11.3	98
8	Molecular and structural characterization of dissolved organic matter during and post cyanobacterial bloom in Taihu by combination of NMR spectroscopy and FTICR mass spectrometry. <i>Water Research</i> , 2014, 57, 280-294.	11.3	87
9	Chemodiversity of dissolved organic matter in the Amazon Basin. <i>Biogeosciences</i> , 2016, 13, 4279-4290.	3.3	53
10	A new approach for evaluating transformations of dissolved organic matter (DOM) via high-resolution mass spectrometry and relating it to bacterial activity. <i>Water Research</i> , 2017, 123, 513-523.	11.3	52
11	Molecular change of dissolved organic matter and patterns of bacterial activity in a stream along a land-use gradient. <i>Water Research</i> , 2019, 164, 114919.	11.3	50
12	Previously unknown class of metalorganic compounds revealed in meteorites. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 2819-2824.	7.1	47
13	Molecular differences between water column and sediment pore water SPE-DOM in ten Swedish boreal lakes. <i>Water Research</i> , 2020, 170, 115320.	11.3	45
14	Ultrahigh-resolution FT-ICR mass spectrometry for molecular characterisation of pressurised hot water-extractable organic matter in soils. <i>Biogeochemistry</i> , 2016, 128, 307-326.	3.5	42
15	Systems chemical analytics: introduction to the challenges of chemical complexity analysis. <i>Faraday Discussions</i> , 2019, 218, 9-28.	3.2	40
16	Unraveling the chemodiversity of halogenated disinfection by-products formed during drinking water treatment using target and non-target screening tools. <i>Journal of Hazardous Materials</i> , 2021, 401, 123681.	12.4	40
17	Temporal dynamics of halogenated organic compounds in Marcellus Shale flowback. <i>Water Research</i> , 2018, 136, 200-206.	11.3	31
18	Characterisation of dissolved organic matter using Fourier-transform ion cyclotron resonance mass spectrometry: Type-specific unique signatures and implications for reactivity. <i>Science of the Total Environment</i> , 2018, 644, 68-76.	8.0	29

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19	Yellowstone Hot Springs are Organic Chemodiversity Hot Spots. <i>Scientific Reports</i> , 2018, 8, 14155.	3.3	25
20	Comprehensive structure-selective characterization of dissolved organic matter by reducing molecular complexity and increasing analytical dimensions. <i>Water Research</i> , 2016, 106, 477-487.	11.3	24
21	The discovery of Lake Hephaestus, the youngest athalassohaline deep-sea formation on Earth. <i>Scientific Reports</i> , 2019, 9, 1679.	3.3	24
22	High field FT-ICR mass spectrometry for molecular characterization of snow board from Moscow regions. <i>Science of the Total Environment</i> , 2016, 557-558, 12-19.	8.0	20
23	Sunlight-induced phototransformation of transphilic and hydrophobic fractions of Suwannee River dissolved organic matter. <i>Science of the Total Environment</i> , 2019, 694, 133737.	8.0	14
24	Molecular and spectroscopic changes of peat-derived organic matter following photo-exposure: Effects on heteroatom composition of DOM. <i>Science of the Total Environment</i> , 2022, 838, 155790.	8.0	12
25	The CM carbonaceous chondrite regolith Diepenveen. <i>Meteoritics and Planetary Science</i> , 2019, 54, 1431-1461.	1.6	9
26	Cultivar- and Wood Area-Dependent Metabolomic Fingerprints of Grapevine Infected by <i>Botryosphaeria</i> Dieback. <i>Phytopathology</i> , 2020, 110, 1821-1837.	2.2	8
27	N-acyl-homoserine lactone dynamics during biofilm formation of a 1,2,4-trichlorobenzene mineralizing community on clay. <i>Science of the Total Environment</i> , 2017, 605-606, 1031-1038.	8.0	6
28	A chemical and microbial characterization of selected mud volcanoes in Trinidad reveals pathogens introduced by surface water and rain water. <i>Science of the Total Environment</i> , 2020, 707, 136087.	8.0	5
29	Productivity Contribution of Paleozoic Woodlands to the Formation of Shale-Hosted Massive Sulfide Deposits in the Iberian Pyrite Belt (Tharsis, Spain). <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 1017-1040.	3.0	4
30	Unveiling microbial preservation under hyperacidic and oxidizing conditions in the Oligocene Rio Tinto deposit. <i>Scientific Reports</i> , 2021, 11, 21543.	3.3	2