

Mourad Harir

List of Publications by Year in descending order

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51
papers

3,042
citations

172457

29
h-index

189892

50
g-index

53
all docs

53
docs citations

53
times ranked

4069
citing authors

#	ARTICLE	IF	CITATIONS
1	Mining for Active Molecules in Probiotic Supernatant by Combining Non-Targeted Metabolomics and Immunoregulation Testing. <i>Metabolites</i> , 2022, 12, 35.	2.9	3
2	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
3	Substantial Biogeochemical and Biomolecular Processing of Dissolved Organic Matter in an Anticyclonic Eddy in the Northern South China Sea Down to Bathypelagic Depths. <i>Frontiers in Marine Science</i> , 2022, 9, .	2.5	0
4	Molecular changes among non-volatile disinfection by-products between drinking water treatment and consumer taps. <i>Environmental Science: Water Research and Technology</i> , 2021, 7, 2335-2345.	2.4	5
5	Unveiling microbial preservation under hyperacidic and oxidizing conditions in the Oligocene Rio Tinto deposit. <i>Scientific Reports</i> , 2021, 11, 21543.	3.3	2
6	Preferential Sorption of Tannins at Aluminum Oxide Affects the Electron Exchange Capacities of Dissolved and Sorbed Humic Acid Fractions. <i>Environmental Science & Technology</i> , 2020, 54, 1837-1847.	10.0	16
7	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
8	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
9	Sulfate Alters the Competition Among Microbiome Members of Sediments Chronically Exposed to Asphalt. <i>Frontiers in Microbiology</i> , 2020, 11, 556793.	3.5	5
10	Tracking the formation of new brominated disinfection by-products during the seawater desalination process. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 2521-2541.	2.4	12
11	Systems chemical analytics: introduction to the challenges of chemical complexity analysis. <i>Faraday Discussions</i> , 2019, 218, 9-28.	3.2	40
12	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
13	Organic sulfur fingerprint indicates continued injection fluid signature 10 months after hydraulic fracturing. <i>Environmental Sciences: Processes and Impacts</i> , 2019, 21, 206-213.	3.5	4
14	The CM carbonaceous chondrite regolith Diepenveen. <i>Meteoritics and Planetary Science</i> , 2019, 54, 1431-1461.	1.6	9
15	Waterworks-specific composition of drinking water disinfection by-products. <i>Environmental Science: Water Research and Technology</i> , 2019, 5, 861-872.	2.4	38
16	The discovery of Lake Hephaestus, the youngest athalassohaline deep-sea formation on Earth. <i>Scientific Reports</i> , 2019, 9, 1679.	3.3	24
17	Extensive processing of sediment pore water dissolved organic matter during anoxic incubation as observed by high-field mass spectrometry (FTICR-MS). <i>Water Research</i> , 2018, 129, 252-263.	11.3	78
18	Yellowstone Hot Springs are Organic Chemodiversity Hot Spots. <i>Scientific Reports</i> , 2018, 8, 14155.	3.3	25

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19	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
20	Differences in DOM of rewetted and natural peatlands – Results from high-field FT-ICR-MS and bulk optical parameters. <i>Science of the Total Environment</i> , 2017, 586, 770-781.	8.0	50
21	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
22	Land-based salmon aquacultures change the quality and bacterial degradation of riverine dissolved organic matter. <i>Scientific Reports</i> , 2017, 7, 43739.	3.3	36
23	Tracking Aging of Bitumen and Its Saturate, Aromatic, Resin, and Asphaltene Fractions Using High-Field Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. <i>Energy & Fuels</i> , 2017, 31, 4771-4779.	5.1	66
24	High field FT-ICR mass spectrometry data sets enlighten qualitative DOM alteration in lake sediment porewater profiles. <i>Organic Geochemistry</i> , 2017, 108, 51-60.	1.8	25
25	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
26	Sulfonolipids as novel metabolite markers of <i>Alistipes</i> and <i>Odoribacter</i> affected by high-fat diets. <i>Scientific Reports</i> , 2017, 7, 11047.	3.3	78
27	Redox Conditions Affect Dissolved Organic Carbon Quality in Stratified Freshwaters. <i>Environmental Science & Technology</i> , 2017, 51, 13705-13713.	10.0	29
28	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
29	The Braunschweig meteorite – a recent L6 chondrite fall in Germany. <i>Chemie Der Erde</i> , 2017, 77, 207-224.	2.0	16
30	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
31	Proposed Guidelines for Solid Phase Extraction of Suwannee River Dissolved Organic Matter. <i>Analytical Chemistry</i> , 2016, 88, 6680-6688.	6.5	118
32	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
33	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
34	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
35	Molecular formula assignment for dissolved organic matter (DOM) using high-field FT-ICR-MS: chemical perspective and validation of sulphur-rich organic components (CHOS) in pit lake samples. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 2461-2469.	3.7	48
36	New molecular evidence of wine yeast-bacteria interaction unraveled by non-targeted exometabolomic profiling. <i>Metabolomics</i> , 2016, 12, 1.	3.0	26

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37	High-Field FTICR-MS Data Evaluation of Natural Organic Matter: Are CHON ₅ S ₂ Molecular Class Formulas Assigned to ¹³ C Isotopic <i>m/z</i> and in Reality CHO Components?. <i>Analytical Chemistry</i> , 2015, 87, 9563-9566.	6.5	27
38	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
39	Understanding molecular formula assignment of Fourier transform ion cyclotron resonance mass spectrometry data of natural organic matter from a chemical point of view. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 7977-7987.	3.7	119
40	High-field FT-ICR mass spectrometry and NMR spectroscopy to characterize DOM removal through a nanofiltration pilot plant. <i>Water Research</i> , 2014, 67, 154-165.	11.3	45
41	Water droplets in oil are microhabitats for microbial life. <i>Science</i> , 2014, 345, 673-676.	12.6	118
42	Distinct signatures of host microbial meta-metabolome and gut microbiome in two C57BL/6 strains under high-fat diet. <i>ISME Journal</i> , 2014, 8, 2380-2396.	9.8	106
43	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
44	Chromatography and High-Resolution Mass Spectrometry for the Characterization of the Degradation Products of the Photodegradation of Amidosulfuron: An Analytical Approach. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 5271-5278.	5.2	11
45	Radar-Enabled Recovery of the Sutter's Mill Meteorite, a Carbonaceous Chondrite Regolith Breccia. <i>Science</i> , 2012, 338, 1583-1587.	12.6	191
46	Variations of DOM Quality in Inflows of a Drinking Water Reservoir: Linking of van Krevelen Diagrams with EEMF Spectra by Rank Correlation. <i>Environmental Science & Technology</i> , 2012, 46, 5511-5518.	10.0	180
47	Identification of Weak and Strong Organic Acids in Atmospheric Aerosols by Capillary Electrophoresis/Mass Spectrometry and Ultra-High-Resolution Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. <i>Analytical Chemistry</i> , 2012, 84, 6586-6594.	6.5	42
48	Preparative free-flow electrophoretic offline ESI-FTICR/MS analysis of Suwannee River fulvic acid. <i>Electrophoresis</i> , 2010, 31, 2070-2079.	2.4	15
49	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
50	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
51	Trends in CE-MS 2005-2006. <i>Electrophoresis</i> , 2008, 29, 66-79.	2.4	72