

Stephane Mounier

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

97
papers

1,939
citations

24
h-index

40
g-index

109
ext. papers

2,347
ext. citations

5.5
avg, IF

4.73
L-index

#	Paper	IF	Citations
97	Online Nonnegative and Sparse Canonical Polyadic Decomposition of Fluorescence Tensors. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2022 , 104550	3.8	
96	Direct determination of Cu, Cr, and Ni in river sediments samples using double pulse laser-induced breakdown spectroscopy: Ecological risk and pollution level assessment.. <i>Science of the Total Environment</i> , 2022 , 155699	10.2	1
95	Cd transfers during marine sediment resuspension over short and long-term period: Associated risk for coastal water quality. <i>Marine Pollution Bulletin</i> , 2022 , 180, 113771	6.7	0
94	Seawater copper content controls biofilm bioaccumulation and microbial community on microplastics.. <i>Science of the Total Environment</i> , 2021 , 152278	10.2	2
93	Optimization of laser-induced breakdown spectroscopy parameters from the design of experiments for multi-element qualitative analysis in river sediment. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2021 , 177, 106066	3.1	3
92	Quantification of Microplastics in North-Western Mediterranean Harbors: Seasonality and Biofilm-Related Metallic Contaminants. <i>Journal of Marine Science and Engineering</i> , 2021 , 9, 337	2.4	6
91	Impact of thermal treatment on bentonite retention ability toward nickel and silver retention. <i>Separation Science and Technology</i> , 2021 , 56, 2521-2531	2.5	1
90	Total phosphorus determination in eutrophic tropical river sediments by laser-induced breakdown spectroscopy techniques. <i>Analytical Methods</i> , 2021 , 13, 77-83	3.2	5
89	In-Situ Variability of DOM in Relation with Biogeochemical and Physical Parameters in December 2017 in Laucala Bay (Fiji Islands) after a Strong Rain Event. <i>Journal of Marine Science and Engineering</i> , 2021 , 9, 241	2.4	1
88	Modelling of impact of presence/absence of suspended particulate organic matter from river and sea and effluent wastewater on fluorescence signal in the coastal area of Gapeau River. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 36707-36726	5.1	2
87	Tropical mangrove forests as a source of dissolved rare earth elements and yttrium to the ocean. <i>Chemical Geology</i> , 2021 , 576, 120278	4.2	1
86	Chelating properties of humic-like substances obtained from process water of hydrothermal carbonization. <i>Environmental Technology and Innovation</i> , 2021 , 23, 101688	7	2
85	Negligible microbial heterotrophic quantitative contribution onto trace metals remobilization during marine sediment resuspension - insights from a Mediterranean urbanized bay. <i>Marine Chemistry</i> , 2021 , 234, 103981	3.7	1
84	Assessing extracted organic matter quality from river sediments by elemental and molecular characterization: Application to the Tietã and Piracicaba Rivers (Sã Paulo, Brazil). <i>Applied Geochemistry</i> , 2021 , 131, 105049	3.5	3
83	Natural superficial water storage and aquifer recharge assessment in Brazilian savanna wetland using unmanned aerial vehicle and geophysical survey. <i>Journal of Unmanned Vehicle Systems</i> , 2020 , 8, 224-244	2.7	7
82	Distribution and diagenesis of trace metals in marine sediments of a coastal Mediterranean area: St Georges Bay (Lebanon). <i>Marine Pollution Bulletin</i> , 2020 , 155, 111066	6.7	8
81	Long-term monitoring emphasizes impacts of the dredging on dissolved Cu and Pb contamination along with ultraplankton distribution and structure in Toulon Bay (NW Mediterranean Sea, France). <i>Marine Pollution Bulletin</i> , 2020 , 156, 111196	6.7	8

80	Humic-like acids from hydrochars: Study of the metal complexation properties compared with humic acids from anthropogenic soils using PARAFAC and time-resolved fluorescence. <i>Science of the Total Environment</i> , 2020 , 722, 137815	10.2	21
79	From canals to the coast: dissolved organic matter and trace metal composition in rivers draining degraded tropical peatlands in Indonesia. <i>Biogeosciences</i> , 2020 , 17, 1897-1909	4.6	15
78	Dissolved organic matter dynamics in the pristine Krka River estuary (Croatia). <i>Marine Chemistry</i> , 2020 , 225, 103848	3.7	7
77	Microplastics in seawater: sampling strategies, laboratory methodologies, and identification techniques applied to port environment. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 8938-8952	5.1	42
76	Physico-chemical and spectroscopic quality assessment of compost from date palm (<i>Phoenix dactylifera</i> L.) waste valorization. <i>Journal of Environmental Management</i> , 2020 , 264, 110492	7.9	5
75	Characterization of the fate and changes of post-irradiance fluorescence signal of filtered anthropogenic effluent dissolved organic matter from wastewater treatment plant in the coastal zone of Gapeau river. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 23141-23158	5.1	5
74	Grassland-cropland rotation cycles in crop-livestock farming systems regulate priming effect potential in soils through modulation of microbial communities, composition of soil organic matter and abiotic soil properties. <i>Agriculture, Ecosystems and Environment</i> , 2020 , 299, 106973	5.7	11
73	Humic extracts from hydrochar and Amazonian Anthrosol: Molecular features and metal binding properties using EEM-PARAFAC and 2D FTIR correlation analyses. <i>Chemosphere</i> , 2020 , 256, 127110	8.4	7
72	Humic extracts of hydrochar and Amazonian Dark Earth: Molecular characteristics and effects on maize seed germination. <i>Science of the Total Environment</i> , 2020 , 708, 135000	10.2	25
71	Role of non-fluorescent chromophores in inner filter effect correction and PARAFAC decomposition. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020 , 229, 117878	4.4	2
70	Have decades of abiotic studies in sediments been misinterpreted?. <i>Science of the Total Environment</i> , 2020 , 707, 135949	10.2	1
69	Rapid on site assessment of a compost chemical stability parameter by UV and fluorescence spectroscopy coupled with mathematical treatment. <i>Waste Management</i> , 2020 , 113, 413-421	8.6	3
68	Fulvic acids from Amazonian anthropogenic soils: Insight into the molecular composition and copper binding properties using fluorescence techniques. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 205, 111173	7	3
67	Kinetic processes of copper and lead remobilization during sediment resuspension of marine polluted sediments. <i>Science of the Total Environment</i> , 2020 , 698, 134120	10.2	9
66	Modeling the quenching of fluorescence from organic matter in Amazonian soils. <i>Science of the Total Environment</i> , 2020 , 698, 134067	10.2	7
65	Effects of catchment area and nutrient deposition regime on phytoplankton functionality in alpine lakes. <i>Science of the Total Environment</i> , 2019 , 674, 114-127	10.2	5
64	Identifying the Stoichiometry of Metal/Ligand Complex by Coupling Spectroscopy and Modelling: a Comprehensive Study on Two Fluorescent Molecules Specific to Lead. <i>Journal of Fluorescence</i> , 2019 , 29, 933-943	2.4	2
63	Evaluation of the roles of metals and humic fractions in the podzolization of soils from the Amazon region using two analytical spectroscopy techniques. <i>Microchemical Journal</i> , 2019 , 144, 454-460	4.8	6

62	Uranium isotope geochemistry in modern coastal sediments: Insights from Toulon Bay, France. <i>Chemical Geology</i> , 2018 , 481, 133-145	4.2	6
61	Quantitative model of carbon and nitrogen isotope composition to highlight phosphorus cycling and sources in coastal sediments (Toulon Bay, France). <i>Chemosphere</i> , 2018 , 195, 683-692	8.4	15
60	Determining the Influence of Urbanization on Mangrove Zones of Northeastern Brazil: Characterization of Cear� State Coastal Zone Organic Matter Inputs. <i>Coastal Research Library</i> , 2018 , 199-222	9.4	4
59	Soil organic matter in podzol horizons of the Amazon region: Humification, recalcitrance, and dating. <i>Science of the Total Environment</i> , 2018 , 613-614, 160-167	10.2	17
58	UV-Visible and Fluorescence Green Waste Composts Monitoring: Material Dependency. <i>Compost Science and Utilization</i> , 2018 , 26, 177-188	1.2	2
57	Time-resolved laser fluorescence spectroscopy of organic ligands by europium: Fluorescence quenching and lifetime properties. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018 , 193, 219-225	4.4	8
56	The Use of 3-D Fluorescence and Its Decomposition in Environmental Organic Matter Studies 2018 , 1-16		
55	Direct solid surface fluorescence spectroscopy of standard chemicals and humic acid in ternary system. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017 , 177, 79-85	4.4	6
54	Modifications of the soluble proteome of a mediterranean strain of the invasive neurotoxic dinoflagellate <i>Alexandrium catenella</i> under metal stress conditions. <i>Aquatic Toxicology</i> , 2017 , 188, 80-91	5.1	8
53	Spatio-temporal variability of fluorescent dissolved organic matter in the Rh�ne River delta and the Fos-Marseille marine area (NW Mediterranean Sea, France). <i>Environmental Science and Pollution Research</i> , 2017 , 24, 4973-4989	5.1	9
52	Fluorescence lifetime evaluation of whole soils from the Amazon rainforest. <i>Applied Optics</i> , 2017 , 56, 6936-6941	1.7	8
51	Front-face fluorescence spectroscopy of tryptophan and fluorescein using laser induced fluorescence and excitation emission matrix fluorescence. <i>RSC Advances</i> , 2017 , 7, 56117-56122	3.7	2
50	An adapted sequential chemical fractionation coupled with UV and fluorescence spectroscopy for calcareous soil organic matter study after compost amendment. <i>Microchemical Journal</i> , 2016 , 124, 139-148	4.8	12
49	In situ and laboratory non-additive litter mixture effect on C dynamics of <i>Sphagnum rubellum</i> and <i>Molinia caerulea</i> litters. <i>Journal of Soils and Sediments</i> , 2016 , 16, 13-27	3.4	15
48	Fluorescence spectroscopy to study dissolved organic matter interactions with agrochemicals applied in Swiss vineyards. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 9284-92	5.1	3
47	The importance of humin in soil characterisation: A study on Amazonian soils using different fluorescence techniques. <i>Science of the Total Environment</i> , 2015 , 537, 152-8	10.2	24
46	Evidencing the Impact of Coastal Contaminated Sediments on Mussels Through Pb Stable Isotopes Composition. <i>Environmental Science & Technology</i> , 2015 , 49, 11438-48	10.3	45
45	Evaluation and modelling of dissolved organic matter reactivity toward As(III) and As(V) □ implication in environmental arsenic speciation. <i>Talanta</i> , 2015 , 134, 530-537	6.2	17

44	Organic carbon, and major and trace element dynamic and fate in a large river subjected to poorly-regulated urban and industrial pressures (Sebou River, Morocco). <i>Science of the Total Environment</i> , 2015 , 502, 296-308	10.2	22
43	A regularized nonnegative canonical polyadic decomposition algorithm with preprocessing for 3D fluorescence spectroscopy. <i>Journal of Chemometrics</i> , 2015 , 29, 253-265	1.6	7
42	Structure of Humic Substances from Some Regions of the Amazon Assessed Coupling 3D Fluorescence Spectroscopy and CP/PARAFAC. <i>Journal of the Brazilian Chemical Society</i> , 2015 ,	1.5	5
41	Seasonal variations of coastal sedimentary trace metals cycling: insight on the effect of manganese and iron (oxy)hydroxides, sulphide and organic matter. <i>Marine Pollution Bulletin</i> , 2015 , 92, 113-124	6.7	64
40	Key parameters controlling arsenic dynamics in coastal sediments: An analytical and modeling approach. <i>Marine Chemistry</i> , 2014 , 161, 34-46	3.7	33
39	Sedimentary dynamics of coastal organic matter: An assessment of the porewater size/reactivity model by spectroscopic techniques. <i>Estuarine, Coastal and Shelf Science</i> , 2014 , 151, 100-111	2.9	28
38	Three-dimensional (3-D) fluorescence spectroscopy analysis of the fluorescent dissolved organic matter released by the marine toxic dinoflagellate <i>Alexandrium catenella</i> exposed to metal stress by zinc or lead. <i>Journal of Phycology</i> , 2014 , 50, 665-74	3	12
37	Kinetics of selenate sorption in soil as influenced by biotic and abiotic conditions: a stirred flow-through reactor study. <i>Journal of Environmental Radioactivity</i> , 2014 , 138, 38-49	2.4	10
36	A comparison of extraction procedures for water-extractable organic matter in soils. <i>European Journal of Soil Science</i> , 2014 , 65, 520-530	3.4	47
35	Identification and quantification of known polycyclic aromatic hydrocarbons and pesticides in complex mixtures using fluorescence excitation-emission matrices and parallel factor analysis. <i>Chemosphere</i> , 2014 , 107, 344-353	8.4	70
34	Impact of rapid urbanisation and industrialisation on river sediment metal contamination. <i>Environmental Monitoring and Assessment</i> , 2014 , 186, 2851-65	3.1	18
33	How to correct inner filter effects altering 3D fluorescence spectra by using a mirrored cell. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2013 , 126, 91-99	3.8	13
32	Identification of citrus varieties using laser-induced fluorescence spectroscopy (LIFS). <i>Computers and Electronics in Agriculture</i> , 2013 , 95, 11-18	6.5	9
31	Characterization of exudates released by the marine diatom <i>Skeletonema costatum</i> exposed to copper stress: a 3D-fluorescence spectroscopy approach. <i>BioMetals</i> , 2013 , 26, 773-81	3.4	4
30	Copper and cadmium effects on growth and extracellular exudation of the marine toxic dinoflagellate <i>Alexandrium catenella</i> : 3D-fluorescence spectroscopy approach. <i>Chemosphere</i> , 2013 , 93, 1230-9	8.4	31
29	Dynamics and fates of trace metals chronically input in a Mediterranean coastal zone impacted by a large urban area. <i>Marine Pollution Bulletin</i> , 2013 , 69, 137-49	6.7	69
28	Distribution and chemical speciation of arsenic and heavy metals in highly contaminated waters used for health care purposes (Srebrenica, Bosnia and Herzegovina). <i>Science of the Total Environment</i> , 2013 , 443, 420-8	10.2	45
27	Biogeochemistry of an Amazonian podzol-ferralsol soil system with white kaolin. <i>Biogeosciences</i> , 2012 , 9, 3705-3720	4.6	22

26	Study of the spatial and historical distribution of sediment inorganic contamination in the Toulon bay (France). <i>Marine Pollution Bulletin</i> , 2011 , 62, 2075-86	6.7	109
25	Copper complexing properties of dissolved organic matter: PARAFAC treatment of fluorescence quenching. <i>Biogeochemistry</i> , 2011 , 106, 107-116	3.8	45
24	Sorption of selenate on soils and pure phases: kinetic parameters and stabilisation. <i>Journal of Environmental Radioactivity</i> , 2011 , 102, 843-51	2.4	11
23	Significance of data treatment and experimental setup on the determination of copper complexing parameters by anodic stripping voltammetry. <i>Analytica Chimica Acta</i> , 2010 , 664, 136-43	6.6	22
22	Rapid Enzymatic Method for the Enumeration of Fecal Enterococci in Seawater 2010 , 273-275		
21	Kinetic and equilibrium studies of copper-dissolved organic matter complexation in water column of the stratified Krka River estuary (Croatia). <i>Marine Chemistry</i> , 2009 , 114, 110-119	3.7	64
20	A simple correction method of inner filter effects affecting FEEM and its application to the PARAFAC decomposition. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2009 , 96, 227-238	3.8	60
19	Characterisation and modelling of marine dissolved organic matter interactions with major and trace cations. <i>Marine Environmental Research</i> , 2009 , 67, 100-7	3.3	45
18	Tracing of dissolved organic matter from the Sepetiba Bay (Brazil) by PARAFAC analysis of total luminescence matrices. <i>Marine Environmental Research</i> , 2008 , 65, 148-57	3.3	57
17	Speciation of trace metals in natural waters: the influence of an adsorbed layer of natural organic matter (NOM) on voltammetric behaviour of copper. <i>Analytica Chimica Acta</i> , 2008 , 606, 37-44	6.6	32
16	Study of interactions of concentrated marine dissolved organic matter with copper and zinc by pseudopolarography. <i>Analytica Chimica Acta</i> , 2008 , 618, 35-42	6.6	19
15	Mercury speciation changes in waters of the sepetiba Bay, SE Brazil during tidal events and different seasons. <i>Journal of the Brazilian Chemical Society</i> , 2007 , 18, 1259-1269	1.5	9
14	An analysis of distinguishing composite dissolved metal-ligand systems measurable by stripping voltammetry. <i>Analytica Chimica Acta</i> , 2005 , 538, 263-271	6.6	5
13	Effects of UV-visible irradiation on natural organic matter from the Amazon basin. <i>Science of the Total Environment</i> , 2004 , 321, 231-9	10.2	36
12	Influence of the type of titration and of data treatment methods on metal complexing parameters determination of single and multi-ligand systems measured by stripping voltammetry. <i>Analytica Chimica Acta</i> , 2004 , 505, 263-275	6.6	43
11	Influence of dissolved organic carbon content on modelling natural organic matter acid-base properties. <i>Water Research</i> , 2004 , 38, 3685-92	12.5	18
10	Carbon and metal concentrations, size distributions and fluxes in major rivers of the Amazon basin. <i>Hydrological Processes</i> , 2003 , 17, 1363-1377	3.3	34
9	Excitation-emission fluorescence matrix to study pH influence on organic matter fluorescence in the Amazon basin rivers. <i>Water Research</i> , 2002 , 36, 2571-81	12.5	150

8	Copper and mercury complexing capacity of organic matter from a mangrove mud flat environment, Sepetiba Bay, Brazil. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2001 , 67, 519-25	2.7	19
7	Dissolved mercury concentrations and reactivity in mangrove waters from the Itacurussa Experimental Forest, Sepetiba Bay, SE Brazil. <i>Wetlands Ecology and Management</i> , 2001 , 9, 323-331	2.1	15
6	Mercury distribution and reactivity in waters of a subtropical coastal lagoon, Sepetiba Bay, SE Brazil. <i>Journal of the Brazilian Chemical Society</i> , 2001 , 12, 93	1.5	9
5	Solid phase extraction applied to natural waters: efficiency and selectivity. <i>Organic Geochemistry</i> , 2000 , 31, 127-131	3.1	14
4	Fluorescence 3D de la mati�re organique dissoute du fleuve amazone. <i>Water Research</i> , 1999 , 33, 1523-1533	3.5	65
3	Differentiation of organic matter's properties of the Rio Negro basin by cross-flow ultra-filtration and UV-spectrofluorescence. <i>Water Research</i> , 1999 , 33, 2363-2373	12.5	83
2	Fluxes of dissolved and colloidal organic carbon, along the Purus and Amazonas rivers (Brazil). <i>Science of the Total Environment</i> , 1999 , 229, 53-64	10.2	21
1	�tude de la permittivit� du sel de seignette en pr�sence d'un champ lectrique en forme de cr�neaux. <i>Le Journal De Physique Et Le Radium Publication De La Soci�t� Fran�aise De Physique</i> , 1966 , 27, 210-212		3