Stephane Mounier

List of Publications by Year
in descending order

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99	2,686	185998	223531
papers	citations	28 h-index	46 g-index

110	110	110	2965
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Excitationâ€“emission fluorescence matrix to study pH influence on organic matter fluorescence in the Amazon basin rivers. Water Research, 2002, 36, 2571-2581.	5.3	179
2	Study of the spatial and historical distribution of sediment inorganic contamination in the Toulon bay (France). Marine Pollution Bulletin, 2011, 62, 2075-2086.	2.3	143
3	Differentiation of organic matter's properties of the Rio Negro basin by cross-flow ultra-filtration and UV-spectrofluorescence. Water Research, 1999, 33, 2363-2373.	5.3	97
4	Dynamics and fates of trace metals chronically input in a Mediterranean coastal zone impacted by a large urban area. Marine Pollution Bulletin, 2013, 69, 137-149.	2.3	94
5	Identification and quantification of known polycyclic aromatic hydrocarbons and pesticides in complex mixtures using fluorescence excitationâ€“emission matrices and parallel factor analysis. Chemosphere, 2014, 107, 344-353.	4.2	91
6	Microplastics in seawater: sampling strategies, laboratory methodologies, and identification techniques applied to port environment. Environmental Science and Pollution Research, 2020, 27, 8938-8952.	2.7	91
7	Seasonal variations of coastal sedimentary trace metals cycling: Insight on the effect of manganese and iron (oxy)hydroxides, sulphide and organic matter. Marine Pollution Bulletin, 2015, 92, 113-124.	2.3	81
8	Fluorescence 3D de la matiÃ¨re organique dissoute du fleuve amazone. Water Research, 1999, 33, 1523-1533.	5.3	74
9	A simple correction method of inner filter effects affecting FEEM and its application to the PARAFAC decomposition. Chemometrics and Intelligent Laboratory Systems, 2009, 96, 227-238.	1.8	74
10	Kinetic and equilibrium studies of copper-dissolved organic matter complexation in water column of the stratified Krka River estuary (Croatia). Marine Chemistry, 2009, 114, 110-119.	0.9	73
11	A comparison of extraction procedures for waterâ€extractable organic matter in soils. European Journal of Soil Science, 2014, 65, 520-530.	1.8	71
12	Tracing of dissolved organic matter from the SEPETIBA Bay (Brazil) by PARAFAC analysis of total luminescence matrices. Marine Environmental Research, 2008, 65, 148-157.	1.1	61
13	Evidencing the Impact of Coastal Contaminated Sediments on Mussels Through Pb Stable Isotopes Composition. Environmental Science & Technology, 2015, 49, 11438-11448.	4.6	59
14	Distribution and chemical speciation of arsenic and heavy metals in highly contaminated waters used for health care purposes (Srebrenica, Bosnia and Herzegovina). Science of the Total Environment, 2013, 443, 420-428.	3.9	57
15	Copper complexing properties of dissolved organic matter: PARAFAC treatment of fluorescence quenching. Biogeochemistry, 2011, 106, 107-116.	1.7	51
16	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. Analytica Chimica Acta, 2004, 505, 263-275.	2.6	49
17	Characterisation and modelling of marine dissolved organic matter interactions with major and trace cations. Marine Environmental Research, 2009, 67, 100-107.	1.1	49
18	Humic extracts of hydrochar and Amazonian Dark Earth: Molecular characteristics and effects on maize seed germination. Science of the Total Environment, 2020, 708, 135000.	3.9	48

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19	Key parameters controlling arsenic dynamics in coastal sediments: An analytical and modeling approach. Marine Chemistry, 2014, 161, 34-46.	0.9	43
20	Copper and cadmium effects on growth and extracellular exudation of the marine toxic dinoflagellate Alexandrium catenella: 3D-fluorescence spectroscopy approach. Chemosphere, 2013, 93, 1230-1239.	4.2	42
21	Effects of UVâ€“visible irradiation on natural organic matter from the Amazon basin. Science of the Total Environment, 2004, 321, 231-239.	3.9	40
22	Carbon and metal concentrations, size distributions and fluxes in major rivers of the Amazon basin. Hydrological Processes, 2003, 17, 1363-1377.	1.1	37
23	Speciation of trace metals in natural waters: The influence of an adsorbed layer of natural organic matter (NOM) on voltammetric behaviour of copper. Analytica Chimica Acta, 2008, 606, 37-44.	2.6	37
24	Soil organic matter in podzol horizons of the Amazon region: Humification, recalcitrance, and dating. Science of the Total Environment, 2018, 613-614, 160-167.	3.9	36
25	Humic-like acids from hydrochars: Study of the metal complexation properties compared with humic acids from anthropogenic soils using PARAFAC and time-resolved fluorescence. Science of the Total Environment, 2020, 722, 137815.	3.9	36
26	Sedimentary dynamics of coastal organic matter: An assessment of the porewater size/reactivity model by spectroscopic techniques. Estuarine, Coastal and Shelf Science, 2014, 151, 100-111.	0.9	34
27	The importance of humin in soil characterisation: A study on Amazonian soils using different fluorescence techniques. Science of the Total Environment, 2015, 537, 152-158.	3.9	32
28	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). Science of the Total Environment, 2015, 502, 296-308.	3.9	32
29	Physico-chemical and spectroscopic quality assessment of compost from date palm (Phoenix) Tj ETQq1 1 0.784314 rgBT /Overlock 10	3.8	30
30	Evaluation and modelling of dissolved organic matter reactivity toward As III and As V â€“ Implication in environmental arsenic speciation. Talanta, 2015, 134, 530-537.	2.9	29
31	Significance of data treatment and experimental setup on the determination of copper complexing parameters by anodic stripping voltammetry. Analytica Chimica Acta, 2010, 664, 136-143.	2.6	27
32	Biogeochemistry of an Amazonian podzol-ferralsol soil system with white kaolin. Biogeosciences, 2012, 9, 3705-3720.	1.3	25
33	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. Agriculture, Ecosystems and Environment, 2020, 299, 106973.	2.5	25
34	Copper and Mercury Complexing Capacity of Organic Matter From a Mangrove Mud Flat Environment, Sepetiba Bay, Brazil. Bulletin of Environmental Contamination and Toxicology, 2001, 67, 519-525.	1.3	24
35	Fluxes of dissolved and colloidal organic carbon, along the Purus and Amazonas rivers (Brazil). Science of the Total Environment, 1999, 229, 53-64.	3.9	23
36	From canals to the coast: dissolved organic matter and trace metal composition in rivers draining degraded tropical peatlands in Indonesia. Biogeosciences, 2020, 17, 1897-1909.	1.3	23

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37	Study of interactions of concentrated marine dissolved organic matter with copper and zinc by pseudopolarography. Analytica Chimica Acta, 2008, 618, 35-42.	2.6	21
38	Impact of rapid urbanisation and industrialisation on river sediment metal contamination. Environmental Monitoring and Assessment, 2014, 186, 2851-2865.	1.3	21
39	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). Marine Pollution Bulletin, 2020, 156, 111196.	2.3	21
40	Humic extracts from hydrochar and Amazonian Anthrosol: Molecular features and metal binding properties using EEM-PARAFAC and 2D FTIR correlation analyses. Chemosphere, 2020, 256, 127110.	4.2	21
41	Spatio-temporal variability of fluorescent dissolved organic matter in the RhÃ´ne River delta and the Fos-Marseille marine area (NW Mediterranean Sea, France). Environmental Science and Pollution Research, 2017, 24, 4973-4989.	2.7	20
42	Influence of dissolved organic carbon content on modelling natural organic matter acidâ€“base properties. Water Research, 2004, 38, 3685-3692.	5.3	19
43	Title is missing!. Wetlands Ecology and Management, 2001, 9, 323-331.	0.7	18
44	In situ and laboratory non-additive litter mixture effect on C dynamics of Sphagnum rubellum and Molinia caerulea litters. Journal of Soils and Sediments, 2016, 16, 13-27.	1.5	18
45	Kinetic processes of copper and lead remobilization during sediment resuspension of marine polluted sediments. Science of the Total Environment, 2020, 698, 134120.	3.9	18
46	Fluorescence lifetime evaluation of whole soils from the Amazon rainforest. Applied Optics, 2017, 56, 6936.	0.9	17
47	Quantitative model of carbon and nitrogen isotope composition to highlight phosphorus cycling and sources in coastal sediments (Toulon Bay, France). Chemosphere, 2018, 195, 683-692.	4.2	17
48	Solid phase extraction applied to natural waters: efficiency and selectivity. Organic Geochemistry, 2000, 31, 127-131.	0.9	15
49	Mercury distribution and reactivity in waters of a subtropical coastal lagoon, Sepetiba Bay, SE Brazil. Journal of the Brazilian Chemical Society, 2001, 12, 93.	0.6	15
50	How to correct inner filter effects altering 3D fluorescence spectra by using a mirrored cell. Chemometrics and Intelligent Laboratory Systems, 2013, 126, 91-99.	1.8	15
51	An adapted sequential chemical fractionation coupled with UV and fluorescence spectroscopy for calcareous soil organic matter study after compost amendment. Microchemical Journal, 2016, 124, 139-148.	2.3	15
52	Seawater copper content controls biofilm bioaccumulation and microbial community on microplastics. Science of the Total Environment, 2022, 814, 152278.	3.9	15
53	Sorption of selenate on soils and pure phases: kinetic parameters and stabilisation. Journal of Environmental Radioactivity, 2011, 102, 843-851.	0.9	14
54	Time-resolved laser fluorescence spectroscopy of organic ligands by europium: Fluorescence quenching and lifetime properties. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 193, 219-225.	2.0	14

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55	Modeling the quenching of fluorescence from organic matter in Amazonian soils. Science of the Total Environment, 2020, 698, 134067.	3.9	14
56	Distribution and diagenesis of trace metals in marine sediments of a coastal Mediterranean area: St Georges Bay (Lebanon). Marine Pollution Bulletin, 2020, 155, 111066.	2.3	14
57	Dissolved organic matter dynamics in the pristine Krka River estuary (Croatia). Marine Chemistry, 2020, 225, 103848.	0.9	14
58	Quantification of Microplastics in North-Western Mediterranean Harbors: Seasonality and Biofilm-Related Metallic Contaminants. Journal of Marine Science and Engineering, 2021, 9, 337.	1.2	14
59	Uranium isotope geochemistry in modern coastal sediments: Insights from Toulon Bay, France. Chemical Geology, 2018, 481, 133-145.	1.4	13
60	Determining the Influence of Urbanization on Mangrove Zones of Northeastern Brazil: Characterization of CearÃ¡ State Coastal Zone Organic Matter Inputs. Coastal Research Library, 2018, , 199-222.	0.2	13
61	Threeâ€dimensional (3â€D) fluorescence spectroscopy analysis of the fluorescent dissolved organic matter released by the marine toxic dinoflagellate <scp>A</scp>lexandrium catenella exposed to metal stress by zinc or lead. Journal of Phycology, 2014, 50, 665-674.	1.0	12
62	Kinetics of selenate sorption in soil as influenced by biotic and abiotic conditions: a stirred flow-through reactor study. Journal of Environmental Radioactivity, 2014, 138, 38-49.	0.9	12
63	Direct solid surface fluorescence spectroscopy of standard chemicals and humic acid in ternary system. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 177, 79-85.	2.0	12
64	Evaluation of the roles of metals and humic fractions in the podzolization of soils from the Amazon region using two analytical spectroscopy techniques. Microchemical Journal, 2019, 144, 454-460.	2.3	12
65	Modifications of the soluble proteome of a mediterranean strain of the invasive neurotoxic dinoflagellate Alexandrium catenella under metal stress conditions. Aquatic Toxicology, 2017, 188, 80-91.	1.9	11
66	Fulvic acids from Amazonian anthropogenic soils: Insight into the molecular composition and copper binding properties using fluorescence techniques. Ecotoxicology and Environmental Safety, 2020, 205, 111173.	2.9	11
67	Total phosphorus determination in eutrophic tropical river sediments by laser-induced breakdown spectroscopy techniques. Analytical Methods, 2021, 13, 77-83.	1.3	11
68	Identification of citrus varieties using laser-induced fluorescence spectroscopy (LIFS). Computers and Electronics in Agriculture, 2013, 95, 11-18.	3.7	10
69	A regularized nonnegative canonical polyadic decomposition algorithm with preprocessing for 3D fluorescence spectroscopy. Journal of Chemometrics, 2015, 29, 253-265.	0.7	10
70	Effects of catchment area and nutrient deposition regime on phytoplankton functionality in alpine lakes. Science of the Total Environment, 2019, 674, 114-127.	3.9	10
71	Natural superficial water storage and aquifer recharge assessment in Brazilian savanna wetland using unmanned aerial vehicle and geophysical survey. Journal of Unmanned Vehicle Systems, 2020, 8, 224-244.	0.6	10
72	Mercury speciation changes in waters of the sepetiba Bay, SE Brazil during tidal events and different seasons. Journal of the Brazilian Chemical Society, 2007, 18, 1259-1269.	0.6	9

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73	Structure of Humic Substances from Some Regions of the Amazon Assessed Coupling 3D Fluorescence Spectroscopy and CP/PARAFAC. Journal of the Brazilian Chemical Society, 2015, , .	0.6	9
74	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. Environmental Science and Pollution Research, 2020, 27, 23141-23158.	2.7	9
75	Rapid on site assessment of a compost chemical stability parameter by UV and fluorescence spectroscopy coupled with mathematical treatment. Waste Management, 2020, 113, 413-421.	3.7	8
76	Role of non-fluorescent chromophores in inner filter effect correction and PARAFAC decomposition. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 229, 117878.	2.0	7
77	Assessing extracted organic matter quality from river sediments by elemental and molecular characterization: Application to the TietÃª and Piracicaba Rivers (SÃ£o Paulo, Brazil). Applied Geochemistry, 2021, 131, 105049.	1.4	7
78	Direct determination of Cu, Cr, and Ni in river sediments using double pulse laser-induced breakdown spectroscopy: Ecological risk and pollution level assessment. Science of the Total Environment, 2022, 837, 155699.	3.9	7
79	Impact of thermal treatment on bentonite retention ability toward nickel and silver retention. Separation Science and Technology, 2021, 56, 2521-2531.	1.3	6
80	Optimization of laser-induced breakdown spectroscopy parameters from the design of experiments for multi-element qualitative analysis in river sediment. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2021, 177, 106066.	1.5	6
81	Tropical mangrove forests as a source of dissolved rare earth elements and yttrium to the ocean. Chemical Geology, 2021, 576, 120278.	1.4	6
82	An analysis of distinguishing composite dissolved metalâ€“ligand systems measurable by stripping voltammetry. Analytica Chimica Acta, 2005, 538, 263-271.	2.6	5
83	Fluorescence spectroscopy to study dissolved organic matter interactions with agrochemicals applied in Swiss vineyards. Environmental Science and Pollution Research, 2015, 22, 9284-9292.	2.7	5
84	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. Environmental Science and Pollution Research, 2021, 28, 36707-36726.	2.7	5
85	Chelating properties of humic-like substances obtained from process water of hydrothermal carbonization. Environmental Technology and Innovation, 2021, 23, 101688.	3.0	5
86	Characterization of exudates released by the marine diatom Skeletonema costatum exposed to copper stress: a 3D-fluorescence spectroscopy approach. BioMetals, 2013, 26, 773-781.	1.8	4
87	Front-face fluorescence spectroscopy of tryptophan and fluorescein using laser induced fluorescence and excitation emission matrix fluorescence. RSC Advances, 2017, 7, 56117-56122.	1.7	4
88	Ã‰tude de la permittivitÃ© du sel de seignette en prÃ©sence d'un champ Ã©lectrique en forme de crÃªneaux. Le Journal De Physique Et Le Radium Publication De La SociÃ©tÃ© FranÃ§aise De Physique, 1966, 27, 210-212.	0.8	4
89	Cd transfers during marine sediment resuspension over short and long-term period: Associated risk for coastal water quality. Marine Pollution Bulletin, 2022, 180, 113771.	2.3	4
90	UVâ€“Visible and Fluorescence Green Waste Composts Monitoring: Material Dependency. Compost Science and Utilization, 2018, 26, 177-188.	1.2	3

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91	Identifying the Stoichiometry of Metal/Ligand Complex by Coupling Spectroscopy and Modelling: a Comprehensive Study on Two Fluorescent Molecules Specific to Lead. Journal of Fluorescence, 2019, 29, 933-943.	1.3	3
92	Have decades of abiotic studies in sediments been misinterpreted?. Science of the Total Environment, 2020, 707, 135949.	3.9	3
93	Pollution des eaux superficielles et des nappes en milieu urbain : cas de la zone industrielle de Douala-Bassa (Cameroun). International Journal of Biological and Chemical Sciences, 2012, 6, .	0.1	2
94	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. Journal of Marine Science and Engineering, 2021, 9, 241.	1.2	2
95	Negligible microbial heterotrophic quantitative contribution onto trace metals remobilization during marine sediment resuspension - insights from a Mediterranean urbanized bay. Marine Chemistry, 2021, 234, 103981.	0.9	2
96	Online Nonnegative Canonical Polyadic Decomposition: Algorithms and Application. , 2021, , .		1
97	Online Nonnegative and Sparse Canonical Polyadic Decomposition of Fluorescence Tensors. Chemometrics and Intelligent Laboratory Systems, 2022, 225, 104550.	1.8	1
98	Editorial: Biogeochemical Responses of Tropical Ecosystems to Environmental Changes. Frontiers in Earth Science, 2020, 8, .	0.8	0
99	Rapid Enzymatic Method for the Enumeration of Fecal Enterococci in Seawater. , 2010, , 273-275.		0