

Fabienne Lagarde

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.

29
papers

1,361
citations

14
h-index

30
g-index

30
ext. papers

1,854
ext. citations

6
avg, IF

4.9
L-index

#	Paper	IF	Citations
29	Raman tweezers for tire and road wear micro- and nanoparticles analysis. <i>Environmental Science: Nano</i> , 2022 , 9, 145-161	7.1	1
28	Thin polyethylene (LDPE) films with controlled crystalline morphology for studying plastic weathering and microplastic generation. <i>Polymer Degradation and Stability</i> , 2022 , 195, 109791	4.7	2
27	Infrared spectroscopy as a tool to monitor interactions between nanoplastics and microalgae. <i>Analytical and Bioanalytical Chemistry</i> , 2020 , 412, 4413-4422	4.4	8
26	Acetylcholine and acetylcholinesterase inhibitors detection using gold nanoparticles coupled with dynamic light scattering. <i>Sensors International</i> , 2020 , 1, 100007	6.1	4
25	Interactions between polystyrene nanoparticles and <i>Chlamydomonas reinhardtii</i> monitored by infrared spectroscopy combined with molecular biology. <i>Environmental Pollution</i> , 2020 , 266, 115227	9.3	2
24	An Irgafos [®] 168 story: When the ubiquity of an additive prevents studying its leaching from plastics. <i>Science of the Total Environment</i> , 2020 , 749, 141651	10.2	7
23	Realistic environmental exposure to microplastics does not induce biological effects in the Pacific oyster <i>Crassostrea gigas</i> . <i>Marine Pollution Bulletin</i> , 2020 , 150, 110627	6.7	29
22	Towards more realistic reference microplastics and nanoplastics: preparation of polyethylene micro/nanoparticles with a biosurfactant. <i>Environmental Science: Nano</i> , 2019 , 6, 315-324	7.1	32
21	Tissue-Specific Biomarker Responses in the Blue Mussel <i>Mytilus</i> spp. Exposed to a Mixture of Microplastics at Environmentally Relevant Concentrations. <i>Frontiers in Environmental Science</i> , 2019 , 7,	4.8	45
20	From macroplastics to microplastics: Role of water in the fragmentation of polyethylene. <i>Chemosphere</i> , 2019 , 236, 124409	8.4	86
19	Raman Tweezers for Small Microplastics and Nanoplastics Identification in Seawater. <i>Environmental Science & Technology</i> , 2019 , 53, 9003-9013	10.3	91
18	Current methods to monitor microalgae-nanoparticle interaction and associated effects. <i>Aquatic Toxicology</i> , 2019 , 217, 105311	5.1	21
17	Quantification and characterization of microplastics in blue mussels (<i>Mytilus edulis</i>): protocol setup and preliminary data on the contamination of the French Atlantic coast. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 6135-6144	5.1	63
16	Factors influencing the microplastic contamination of bivalves from the French Atlantic coast: Location, season and/or mode of life?. <i>Marine Pollution Bulletin</i> , 2018 , 129, 664-674	6.7	121
15	Constraints and Priorities for Conducting Experimental Exposures of Marine Organisms to Microplastics. <i>Frontiers in Marine Science</i> , 2018 , 5,	4.5	113
14	Microplastic abundance and characteristics in French Atlantic coastal sediments using a new extraction method. <i>Environmental Pollution</i> , 2018 , 243, 228-237	9.3	54
13	Microbiological identification by surface-enhanced Raman spectroscopy. <i>Applied Spectroscopy Reviews</i> , 2017 , 52, 123-144	4.5	13

12	A new way to discriminate polluted wood by vibrational spectroscopies. <i>Talanta</i> , 2017 , 167, 436-441	6.2	3
11	The effect of percent hydrogenation and vulcanization system on ozone stability of hydrogenated natural rubber vulcanizates using Raman spectroscopy. <i>Polymer Degradation and Stability</i> , 2017 , 141, 58-68	4.7	7
10	The Role of Laboratory Experiments in the Validation of Field Data. <i>Comprehensive Analytical Chemistry</i> , 2017 , 75, 241-273	1.9	5
9	Raman investigation of thermoplastic vulcanizates based on hydrogenated natural rubber/polypropylene blends. <i>Polymer Testing</i> , 2017 , 57, 107-114	4.5	12
8	Is there any consistency between the microplastics found in the field and those used in laboratory experiments?. <i>Environmental Pollution</i> , 2016 , 211, 111-23	9.3	260
7	Microplastic interactions with freshwater microalgae: Hetero-aggregation and changes in plastic density appear strongly dependent on polymer type. <i>Environmental Pollution</i> , 2016 , 215, 331-339	9.3	299
6	Enhanced Raman spectroscopy coupled to chemometrics for identification and quantification of acetylcholinesterase inhibitors. <i>Vibrational Spectroscopy</i> , 2016 , 87, 27-33	2.1	12
5	High-yield aqueous synthesis of multi-branched iron oxide core-gold shell nanoparticles: SERS substrate for immobilization and magnetic separation of bacteria. <i>Journal of Nanoparticle Research</i> , 2014 , 16, 1	2.3	4
4	Anisotropic core-shell Fe ₃ O ₄ @Au magnetic nanoparticles and the effect of the immunomagnetic separation volume on the capture efficiency. <i>Pure and Applied Chemistry</i> , 2014 , 86, 967-978	2.1	2
3	Raman spectroscopy and thermal analysis of gum and silica-filled NR/SBR blends prepared from latex system. <i>Polymer Testing</i> , 2013 , 32, 852-861	4.5	29
2	Assessing chemical oxygen demand and nitrogen conversions in a multi-stage activated sludge plant with alternating aeration. <i>Journal of Chemical Technology and Biotechnology</i> , 2007 , 82, 367-375	3.5	4
1	Variability estimation of urban wastewater biodegradable fractions by respirometry. <i>Water Research</i> , 2005 , 39, 4768-78	12.5	32