

# Fabienne Lagarde

## List of Publications by Citations

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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 | Microplastic interactions with freshwater microalgae: Hetero-aggregation and changes in plastic density appear strongly dependent on polymer type. <i>Environmental Pollution</i> , <b>2016</b> , 215, 331-339   | 9.3  | 299       |
| 28 | Is there any consistency between the microplastics found in the field and those used in laboratory experiments?. <i>Environmental Pollution</i> , <b>2016</b> , 211, 111-23  | 9.3  | 260       |
| 27 | Factors influencing the microplastic contamination of bivalves from the French Atlantic coast: Location, season and/or mode of life?. <i>Marine Pollution Bulletin</i> , <b>2018</b> , 129, 664-674  | 6.7  | 121       |
| 26 | Constraints and Priorities for Conducting Experimental Exposures of Marine Organisms to Microplastics. <i>Frontiers in Marine Science</i> , <b>2018</b> , 5,   | 4.5  | 113       |
| 25 | Raman Tweezers for Small Microplastics and Nanoplastics Identification in Seawater. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 9003-9013  | 10.3 | 91        |
| 24 | From macroplastics to microplastics: Role of water in the fragmentation of polyethylene. <i>Chemosphere</i> , <b>2019</b> , 236, 124409  | 8.4  | 86        |
| 23 | 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> , <b>2018</b> , 25, 6135-6144 | 5.1  | 63        |
| 22 | Microplastic abundance and characteristics in French Atlantic coastal sediments using a new extraction method. <i>Environmental Pollution</i> , <b>2018</b> , 243, 228-237   | 9.3  | 54        |
| 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> , <b>2019</b> , 7,  | 4.8  | 45        |
| 20 | Towards more realistic reference microplastics and nanoplastics: preparation of polyethylene micro/nanoparticles with a biosurfactant. <i>Environmental Science: Nano</i> , <b>2019</b> , 6, 315-324   | 7.1  | 32        |
| 19 | Variability estimation of urban wastewater biodegradable fractions by respirometry. <i>Water Research</i> , <b>2005</b> , 39, 4768-78  | 12.5 | 32        |
| 18 | Raman spectroscopy and thermal analysis of gum and silica-filled NR/SBR blends prepared from latex system. <i>Polymer Testing</i> , <b>2013</b> , 32, 852-861  | 4.5  | 29        |
| 17 | Realistic environmental exposure to microplastics does not induce biological effects in the Pacific oyster <i>Crassostrea gigas</i> . <i>Marine Pollution Bulletin</i> , <b>2020</b> , 150, 110627   | 6.7  | 29        |
| 16 | Current methods to monitor microalgae-nanoparticle interaction and associated effects. <i>Aquatic Toxicology</i> , <b>2019</b> , 217, 105311   | 5.1  | 21        |
| 15 | Microbiological identification by surface-enhanced Raman spectroscopy. <i>Applied Spectroscopy Reviews</i> , <b>2017</b> , 52, 123-144   | 4.5  | 13        |
| 14 | Raman investigation of thermoplastic vulcanizates based on hydrogenated natural rubber/polypropylene blends. <i>Polymer Testing</i> , <b>2017</b> , 57, 107-114  | 4.5  | 12        |
| 13 | Enhanced Raman spectroscopy coupled to chemometrics for identification and quantification of acetylcholinesterase inhibitors. <i>Vibrational Spectroscopy</i> , <b>2016</b> , 87, 27-33  | 2.1  | 12        |

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|----|--|------|---|
| 12 | Infrared spectroscopy as a tool to monitor interactions between nanoplastics and microalgae. <i>Analytical and Bioanalytical Chemistry</i> , <b>2020</b> , 412, 4413-4422  | 4.4  | 8 |
| 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> , <b>2017</b> , 141, 58-68        | 4.7  | 7 |
| 10 | An Irgafos <sup>®</sup> 168 story: When the ubiquity of an additive prevents studying its leaching from plastics. <i>Science of the Total Environment</i> , <b>2020</b> , 749, 141651  | 10.2 | 7 |
| 9  | The Role of Laboratory Experiments in the Validation of Field Data. <i>Comprehensive Analytical Chemistry</i> , <b>2017</b> , 75, 241-273  | 1.9  | 5 |
| 8  | Acetylcholine and acetylcholinesterase inhibitors detection using gold nanoparticles coupled with dynamic light scattering. <i>Sensors International</i> , <b>2020</b> , 1, 100007   | 6.1  | 4 |
| 7  | 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> , <b>2014</b> , 16, 1    | 2.3  | 4 |
| 6  | 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> , <b>2007</b> , 82, 367-375                 | 3.5  | 4 |
| 5  | A new way to discriminate polluted wood by vibrational spectroscopies. <i>Talanta</i> , <b>2017</b> , 167, 436-441   | 6.2  | 3 |
| 4  | Anisotropic core-shell Fe <sub>3</sub> O <sub>4</sub> @Au magnetic nanoparticles and the effect of the immunomagnetic separation volume on the capture efficiency. <i>Pure and Applied Chemistry</i> , <b>2014</b> , 86, 967-978 | 2.1  | 2 |
| 3  | Thin polyethylene (LDPE) films with controlled crystalline morphology for studying plastic weathering and microplastic generation. <i>Polymer Degradation and Stability</i> , <b>2022</b> , 195, 109791                          | 4.7  | 2 |
| 2  | Interactions between polystyrene nanoparticles and <i>Chlamydomonas reinhardtii</i> monitored by infrared spectroscopy combined with molecular biology. <i>Environmental Pollution</i> , <b>2020</b> , 266, 115227               | 9.3  | 2 |
| 1  | Raman tweezers for tire and road wear micro- and nanoparticles analysis. <i>Environmental Science: Nano</i> , <b>2022</b> , 9, 145-161   | 7.1  | 1 |