

Marina Lasagni

List of Publications by Year in descending order

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58
papers

1,654
citations

331538

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39
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59
all docs

59
docs citations

59
times ranked

1718
citing authors

#	ARTICLE	IF	CITATIONS
1	New molecular descriptors for 2D and 3D structures. Theory. Journal of Chemometrics, 1994, 8, 263-272.	0.7	269
2	The release process of microfibers: from surgical face masks into the marine environment. Environmental Advances, 2021, 4, 100042.	2.2	175
3	Microplastic and charred microplastic in the Faafu Atoll, Maldives. Marine Pollution Bulletin, 2018, 136, 464-471.	2.3	103
4	Characterization and supercritical CO ₂ devulcanization of cryo-ground tire rubber: Influence of devulcanization process on reclaimed material. Polymer Degradation and Stability, 2014, 102, 15-24.	2.7	77
5	Microplastics as a threat to coral reef environments: Detection of phthalate esters in neuston and scleractinian corals from the Faafu Atoll, Maldives. Marine Pollution Bulletin, 2019, 142, 234-241.	2.3	73
6	Modeling and optimization of ultrasonic devulcanization using the response surface methodology based on central composite face-centered design. Chemometrics and Intelligent Laboratory Systems, 2015, 144, 1-10.	1.8	55
7	Contribution of wood combustion to PAH and PCDD/F concentrations in two urban sites in Northern Italy. Journal of Aerosol Science, 2013, 56, 30-40.	1.8	51
8	Application of chemical and chemometric analytical techniques to the study of ancient ceramics from Dougga (Tunisia). Microchemical Journal, 2008, 88, 150-159.	2.3	50
9	Biodegradation of variable-chain-length n-alkanes in Rhodococcus opacus R7 and the involvement of an alkane hydroxylase system in the metabolism. AMB Express, 2014, 4, 73.	1.4	46
10	Mechanical and rheological properties of natural rubber compounds containing devulcanized ground tire rubber from several methods. Polymer Degradation and Stability, 2015, 121, 369-377.	2.7	40
11	Experimental and Theoretical Investigation on the Catalytic Generation of Environmentally Persistent Free Radicals from Benzene. Journal of Physical Chemistry C, 2017, 121, 9381-9393.	1.5	38
12	Evidence of microplastic ingestion by cultured European sea bass (<i>Dicentrarchus labrax</i>). Marine Pollution Bulletin, 2021, 168, 112450.	2.3	35
13	Full factorial experimental design to study the devulcanization of ground tire rubber in supercritical carbon dioxide. Journal of Supercritical Fluids, 2014, 92, 249-256.	1.6	31
14	Biological devulcanization of ground natural rubber by <i>Gordonia desulfuricans</i> DSM 44462T strain. Applied Microbiology and Biotechnology, 2016, 100, 8931-8942.	1.7	30
15	Determination of phthalates in fish fillets by liquid chromatography tandem mass spectrometry (LC-MS/MS): A comparison of direct immersion solid phase microextraction (SPME) versus ultrasonic assisted solvent extraction (UASE). Chemosphere, 2020, 255, 127034.	4.2	29
16	Degradation of Octachlorodibenzofuran and Octachlorodibenzo-p-dioxin Spiked on Fly Ash: Kinetics and Mechanism. Environmental Science & Technology, 1995, 29, 577-585.	4.6	27
17	A hypothesis on the mechanism of PCDD biological activity based on molecular electrostatic potential modeling. Part 2. Computational and Theoretical Chemistry, 1995, 340, 83-95.	1.5	26
18	Microbial desulfurization of ground tire rubber (GTR): Characterization of microbial communities and rheological and mechanical properties of GTR and natural rubber composites (GTR/NR). Polymer Degradation and Stability, 2019, 160, 102-109.	2.7	25

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19	A non-lethal SPME-LC/MS method for the analysis of plastic-associated contaminants in coral reef invertebrates. <i>Analytical Methods</i> , 2020, 12, 1935-1942.	1.3	25
20	Kinetics of MSWI Fly Ash Thermal Degradation. 1. Empirical Rate Equation for Native Carbon Gasification. <i>Environmental Science & Technology</i> , 2000, 34, 130-136.	4.6	24
21	Biocompatible solid-phase microextraction coupled to liquid chromatography triple quadrupole mass spectrometry analysis for the determination of phthalates in marine invertebrate. <i>Journal of Chromatography A</i> , 2020, 1618, 460852.	1.8	24
22	The combustion of municipal solid wastes and PCDD and PCDF emissions. Part 2. PCDD and PCDF in stack gases. <i>Chemosphere</i> , 1989, 18, 1465-1474.	4.2	22
23	Detection of plastic particles in marine sponges by a combined infrared micro-spectroscopy and pyrolysis-gas chromatography-mass spectrometry approach. <i>Science of the Total Environment</i> , 2022, 819, 152965.	3.9	22
24	A selected bibliography on PCDD and PCDF formation. <i>Toxicological and Environmental Chemistry</i> , 1989, 22, 239-261.	0.6	21
25	Lab-scale pyrolysis of the Automotive Shredder Residue light fraction and characterization of tar and solid products. <i>Waste Management</i> , 2017, 64, 263-271.	3.7	20
26	Kinetic Modeling of Polychlorinated Dibenzo- <i>p</i> -dioxin and Dibenzofuran Formation Based on Carbon Degradation Reactions. <i>Environmental Science & Technology</i> , 2008, 42, 7218-7224.	4.6	19
27	Extraction of microplastic from marine sediments: A comparison between pressurized solvent extraction and density separation. <i>Marine Pollution Bulletin</i> , 2021, 168, 112436.	2.3	18
28	First detection of microplastics in reef-building corals from a Maldivian atoll. <i>Marine Pollution Bulletin</i> , 2022, 180, 113773.	2.3	18
29	Toward a mechanistic understanding of PCDD biological activity based on molecular electrostatic potential modeling. <i>Computational and Theoretical Chemistry</i> , 1994, 303, 43-54.	1.5	17
30	Distribution and Removal of Polycyclic Aromatic Hydrocarbons in Two Italian Municipal Wastewater Treatment Plants in 2011–2013. <i>Polycyclic Aromatic Compounds</i> , 2016, 36, 213-228.	1.4	17
31	Bioremediation of Diesel Fuel Contaminated Soil: Effect of Non Ionic Surfactants and Selected Bacteria Addition. <i>Annali Di Chimica</i> , 2007, 97, 799-805.	0.6	16
32	Prevention of PCDD/F Formation and Minimization of Their Emission at the Stack of a Secondary Aluminum Casting Plant. <i>Environmental Science & Technology</i> , 2008, 42, 7476-7481.	4.6	16
33	Total Organic Carbon in Fly Ash from MSW Incinerators as a Potential Combustion Indicator: Setting Up of the Measurement Methodology and Preliminary Evaluation. <i>Waste Management and Research</i> , 1997, 15, 507-521.	2.2	14
34	Kinetics of MSWI Fly Ash Thermal Degradation. 2. Mechanism of Native Carbon Gasification. <i>Environmental Science & Technology</i> , 2000, 34, 137-142.	4.6	14
35	The combustion of municipal solid wastes and PCDD and PCDF emissions. Part 1. PCDD and PCDF in MSW. <i>Chemosphere</i> , 1989, 18, 1457-1464.	4.2	13
36	Thermal Reaction Kinetics and Mechanism of PCDF, PCDD, and PCB Parent Compounds and Activated Carbon on Silica. <i>Environmental Science & Technology</i> , 1996, 30, 1896-1901.	4.6	13

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37	The combustion of municipal solid wastes and PCDD and PCDF emissions. Part 3. PCDD and PCDF in fly ash. <i>Chemosphere</i> , 1989, 18, 1475-1483.	4.2	12
38	Characterization of fly ash from municipal solid waste incinerators using differential scanning calorimetry. <i>Thermochimica Acta</i> , 1998, 321, 133-141.	1.2	12
39	Kinetics of carbon degradation and PCDD/PCDF formation on MSWI fly ash. <i>Chemosphere</i> , 2009, 74, 377-383.	4.2	12
40	Kinetic Modeling of the Formation and Destruction of Polychlorinated Dibenzo-p-dioxin and Dibenzofuran from Fly Ash Native Carbon at 300 Å°C. <i>Environmental Science & Technology</i> , 2013, 47, 4349-4356.	4.6	11
41	Cytotoxic Compounds from Alcyoniidae: An Overview of the Last 30 Years. <i>Marine Drugs</i> , 2022, 20, 134.	2.2	10
42	Charred honeycombs discovered in Iron Age Northern Italy. A new light on boat beekeeping and bee pollination in pre-modern world. <i>Journal of Archaeological Science</i> , 2017, 83, 26-40.	1.2	9
43	Critical review of the receptor model based on target transformation factor analysis. <i>Chemosphere</i> , 1997, 35, 1847-1865.	4.2	8
44	Multi- α analytical characterization of perigonadal fat in bluefin tuna: from waste to marine lipid source. <i>Journal of the Science of Food and Agriculture</i> , 2019, 99, 4571-4579.	1.7	8
45	Prebiotic Effect of Maitake Extract on a Probiotic Consortium and Its Action after Microbial Fermentation on Colorectal Cell Lines. <i>Foods</i> , 2021, 10, 2536.	1.9	8
46	An annual study on plastic accumulation in surface water and sediment cores from the coastline of Tenerife (Canary Island, Spain). <i>Marine Pollution Bulletin</i> , 2021, 173, 113072.	2.3	8
47	Phthalates bioconcentration in the soft corals: Inter- and intra- species differences and ecological aspects. <i>Chemosphere</i> , 2022, 297, 134247.	4.2	7
48	Estimation of the toxicity equivalents of PCDD/PCDF mixtures from combustion sources when specific congener information is lacking: Preliminary results. <i>Chemosphere</i> , 1993, 26, 1419-1427.	4.2	6
49	Chemometric approaches in environmental problems concerning PCDD and PCDF. Data interpretation and source correlation. Mechanisms of formation and destruction in MSW combustion process. <i>Fresenius' Journal of Analytical Chemistry</i> , 1994, 348, 111-120.	1.5	5
50	The rate-determining step in a low temperature PCDD/F formation from oxidative breakdown of native carbon in MSWI fly ash. <i>Chemosphere</i> , 2016, 165, 110-117.	4.2	5
51	Omega-3 rich oils from microalgae: A chitosan mediated in situ transesterification method. <i>Food Chemistry</i> , 2021, 337, 127745.	4.2	5
52	Nitrogen activation of carbon-encapsulated zero-valent iron nanoparticles and influence of the activation temperature on heavy metals removal. <i>IOP Conference Series: Earth and Environmental Science</i> , 2017, 64, 012070.	0.2	4
53	The Toxicity Equivalency Factor Scheme Applied To Municipal Incinerator PcdD/PcdF Emissions When Specific Congener Information Is Lacking. <i>Waste Management and Research</i> , 1992, 10, 329-343.	2.2	3
54	Antimicrobial activity of thin metallic silver flakes, waste products of a manufacturing process. <i>Journal of Environmental Sciences</i> , 2011, 23, 1570-1577.	3.2	3

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55	PCDD/F and dioxin-like PCB minimization: A 13-year experimental study along the flue gas cleaning system of a secondary aluminium refining plant. <i>Chemosphere</i> , 2017, 181, 409-417.	4.2	3
56	Pyrolysis of automotive shredder residue light fraction: maximization of the tar yield using design of experiment. <i>IOP Conference Series: Earth and Environmental Science</i> , 2017, 64, 012067.	0.2	1
57	Effect of COSMOS technologies in detoxifying municipal solid waste incineration fly ash, preliminary results. <i>IOP Conference Series: Earth and Environmental Science</i> , 2017, 64, 012068.	0.2	1
58	Identification, Characterization, and Remediation of Contaminated Sites: A Case Study. <i>Annals of the New York Academy of Sciences</i> , 1999, 879, 396-399.	1.8	0