Maria Lucia Miglietta

List of Publications by Year
in descending order

29 papers	787 citations	758635 12 h-index	610482 24 g-index
31 all docs	31 docs citations	31 times ranked	1300 citing authors

#	Article	IF	Citations
1	Toxic effects of ZnO nanoparticles towards marine algae Dunaliella tertiolecta. Science of the Total Environment, 2013, 445-446, 371-376.	3.9	173
2	Investigation of ZnO nanoparticlesâ€™ ecotoxicological effects towards different soil organisms. Environmental Science and Pollution Research, 2011, 18, 756-763.	2.7	113
3	A Review of Low-Cost Particulate Matter Sensors from the Developersâ€™ Perspectives. Sensors, 2020, 20, 6819.	2.1	86
4	Embryotoxicity and spermiotoxicity of nanosized ZnO for Mediterranean sea urchin Paracentrotus lividus. Journal of Hazardous Materials, 2013, 254-255, 1-9.	6.5	64
5	Comparative toxicity of nano ZnO and bulk ZnO towards marine algae Tetraselmis suecica and Phaeodactylum tricornutum. Environmental Science and Pollution Research, 2017, 24, 6543-6553.	2.7	57
6	Early ecotoxic effects of ZnO nanoparticle chronic exposure in Mytilus galloprovincialis revealed by transcription of apoptosis and antioxidant-related genes. Ecotoxicology, 2018, 27, 369-384.	1.1	44
7	Geographical origin of durum wheat studied by ¹Hâ€NMR profiling. Magnetic Resonance in Chemistry, 2011, 49, 1-5.	1.1	38
8	A study on the physicochemical properties of hydroalcoholic solutions to improve the direct exfoliation of natural graphite down to few-layers graphene. Materials Research Express, 2015, 2, 035601.	0.8	31
9	Fully eco-friendly H 2 sensing device based on Pd-decorated graphene. Sensors and Actuators B: Chemical, 2017, 239, 1144-1152.	4.0	28
10	Toxicological effects of transition metal-doped titanium dioxide nanoparticles on goldfish (Carassius) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	4.2	28
11	Different sizes of ZnO diversely affected the cytogenesis of the sea urchin Paracentrotus lividus. Science of the Total Environment, 2017, 607-608, 176-183.	3.9	19
12	A Wearable Low-Power Sensing Platform for Environmental and Health Monitoring: The Convergence Project. Sensors, 2021, 21, 1802.	2.1	12
13	Characterization of Carbon Based Nanoparticles Dispersion in Aqueous Solution Using Dynamic Light Scattering Technique. Macromolecular Symposia, 2009, 286, 95-100.	0.4	11
14	A Simple Optical Model for the Swelling Evaluation in Polymer Nanocomposites. Journal of Sensors, 2009, 2009, 1-6.	0.6	10
15	Methodological issues about techniques for the spiking of standard OECD soil with nanoparticles: evidence of different behaviours. Journal of Nanoparticle Research, 2015, 17, 1.	0.8	9
16	Electronic Noses for Composites Surface Contamination Detection in Aerospace Industry. Sensors, 2017, 17, 754.	2.1	9
17	Improvement of NO2 Detection: Graphene Decorated With ZnO Nanoparticles. IEEE Sensors Journal, 2019, 19, 8751-8757.	2.4	8
18	Graphene-based Schottky Device Detecting NH3 at ppm level in Environmental Conditions. Procedia Engineering, 2014, 87, 232-235.	1.2	7

#	Article	IF	Citations
19	Cross interference effects between water and NH<inf>3</inf> on a sensor based on graphene/silicon Schottky diode. , 2015, , .		4
20	A Study of the Swelling Properties of Polymer Nanocomposites through Electrical and Optical Characterization. Macromolecular Symposia, 2009, 286, 203-209.	0.4	3
21	Extended Non-destructive Testing for Surface Quality Assessment. , 2021, , 119-222.		3
22	Vocs Sensors Based on Polyaniline/Graphene-Nanosheets Bilayer. Lecture Notes in Electrical Engineering, 2015, , 197-201.	0.3	2
23	Investigation of multi-layered graphene/silicon Schottky junction in oxidizing atmosphere. Journal Physics D: Applied Physics, 0, , .	1.3	2
24	Graphene Decoration for Gas Detection. Lecture Notes in Electrical Engineering, 2018, , 35-40.	0.3	2
25	Pursing Contamination Detection on Aircraft CFRP Surfaces By Artificial Olfaction Techniques. , 2011, , .		1
26	Graphene-Si Schottky diode in environmental conditions at low NH<inf>3</inf> ppm level. , 2014, , .		1
27	A Networked Wearable Device for Chemical Multisensing. Lecture Notes in Electrical Engineering, 2019, , 17-24.	0.3	1
28	Easy Recovery Method for Graphene-Based Chemi-Resistors. Lecture Notes in Electrical Engineering, 2015, , 203-206.	0.3	1
29	CARBONâˆ•POLYMER NANOCOMPOSITE FOR ELECTRONIC APPLICATIONS: DISPERSION PROPERTIES OF CARBON BASED NANOPARTICLES IN AQUEOUS ENVIRONMENT AND TOXICOLOGICAL IMPACTS. AIP Conference Proceedings, 2008, , .	0.3	0