

# Magda Bloσι

## List of Publications by Citations

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57  
papers

1,473  
citations

24  
h-index

37  
g-index

60  
ext. papers

1,726  
ext. citations

5.1  
avg, IF

4.43  
L-index

#	Paper	IF	Citations
57	Selective oxidation of 5-hydroxymethyl-2-furfural using supported gold-copper nanoparticles. <i>Green Chemistry</i> , <b>2011</b> , 13, 2091	10	210
56	Microwave-assisted polyol synthesis of Cu nanoparticles. <i>Journal of Nanoparticle Research</i> , <b>2011</b> , 13, 127-138	2.3	123
55	Selective oxidation of 5-hydroxymethyl-2-furfural over TiO <sub>2</sub> -supported gold-copper catalysts prepared from preformed nanoparticles: Effect of Au/Cu ratio. <i>Catalysis Today</i> , <b>2012</b> , 195, 120-126	5.3	106
54	Silver nanoparticles as a medical device in healthcare settings: a five-step approach for candidate screening of coating agents. <i>Royal Society Open Science</i> , <b>2018</b> , 5, 171113	3.3	72
53	TiO <sub>2</sub> based nano-photocatalysis immobilized on cellulose substrates. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2014</b> , 276, 58-64	4.7	58
52	Au-Ag nanoparticles as red pigment in ceramic inks for digital decoration. <i>Dyes and Pigments</i> , <b>2012</b> , 94, 355-362	4.6	41
51	Gold Nanoparticle-Containing Membranes from in Situ Reduction of a Gold(III)-Aminoethylimidazolium Aurate Salt. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 9693-9701	3.8	39
50	Shape-Related Toxicity of Titanium Dioxide Nanofibres. <i>PLoS ONE</i> , <b>2016</b> , 11, e0151365	3.7	39
49	Nano-sized ceramic inks for drop-on-demand ink-jet printing in quadrichromy. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2008</b> , 8, 1979-88	1.3	38
48	NanoTiO@DNA complex: a novel eco, durable, fire retardant design strategy for cotton textiles. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 546, 174-183	9.3	36
47	Green and easily scalable microwave synthesis of noble metal nanosols (Au, Ag, Cu, Pd) usable as catalysts. <i>New Journal of Chemistry</i> , <b>2014</b> , 38, 1401-1409	3.6	33
46	Toxicity of surface-modified copper oxide nanoparticles in a mouse macrophage cell line: Interplay of particles, surface coating and particle dissolution. <i>Chemosphere</i> , <b>2018</b> , 196, 482-493	8.4	32
45	Wetting behavior and remarkable durability of amphiphobic aluminum alloys surfaces in a wide range of environmental conditions. <i>Chemical Engineering Journal</i> , <b>2014</b> , 258, 101-109	14.7	31
44	TiO <sub>2</sub> based photocatalytic coatings: From nanostructure to functional properties. <i>Chemical Engineering Journal</i> , <b>2013</b> , 225, 880-886	14.7	30
43	Coatings made of proteins adsorbed on TiO <sub>2</sub> nanoparticles: a new flame retardant approach for cotton fabrics. <i>Cellulose</i> , <b>2018</b> , 25, 2755-2765	5.5	29
42	Colloidal characterization of CuO nanoparticles in biological and environmental media. <i>Environmental Science: Nano</i> , <b>2017</b> , 4, 1264-1272	7.1	28
41	Structural relaxation around Cr <sup>3+</sup> in YAlO <sub>3</sub> -YCrO <sub>3</sub> perovskites from electron absorption spectra. <i>Journal of Physical Chemistry A</i> , <b>2009</b> , 113, 13772-8	2.8	28

40	Bimetallic Nanoparticles as Efficient Catalysts: Facile and Green Microwave Synthesis. <i>Materials</i> , <b>2016</b> , 9,	3.5	28
39	Multiple endpoints to evaluate pristine and remediated titanium dioxide nanoparticles genotoxicity in lung epithelial A549 cells. <i>Toxicology Letters</i> , <b>2017</b> , 276, 48-61	4.4	27
38	Easily scalable synthesis of Ni nanosols suitable for the hydrogenation of 4-nitrophenol to p-aminophenol under mild condition. <i>Chemical Engineering Journal</i> , <b>2013</b> , 215-216, 616-625	14.7	27
37	Ink-jet printability of aqueous ceramic inks for digital decoration of ceramic tiles. <i>Dyes and Pigments</i> , <b>2016</b> , 127, 148-154	4.6	26
36	Micronizing ceramic pigments for inkjet printing: Part I. Grindability and particle size distribution. <i>Ceramics International</i> , <b>2015</b> , 41, 6498-6506	5.1	26
35	Sol-gel combustion synthesis of chromium doped yttrium aluminum perovskites. <i>Journal of Sol-Gel Science and Technology</i> , <b>2009</b> , 50, 449-455	2.3	25
34	Hollow-fiber flow field-flow fractionation and multi-angle light scattering investigation of the size, shape and metal-release of silver nanoparticles in aqueous medium for nano-risk assessment. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2015</b> , 106, 92-9	3.5	24
33	Microwave-assisted synthesis of Pr <sub>2</sub> SiO <sub>4</sub> , V <sub>2</sub> SiO <sub>4</sub> and Cr <sub>2</sub> AlO <sub>3</sub> ceramic pigments. <i>Journal of the European Ceramic Society</i> , <b>2009</b> , 29, 2951-2957	6	24
32	Titanium dioxide nanoparticles enhance macrophage activation by LPS through a TLR4-dependent intracellular pathway. <i>Toxicology Research</i> , <b>2015</b> , 4, 385-398	2.6	20
31	Ceramic Ink-Jet Printing for Digital Decoration: Physical Constraints for Ink Design. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2015</b> , 15, 3552-61	1.3	19
30	Lipopolysaccharide Adsorbed to the Bio-Corona of TiO Nanoparticles Powerfully Activates Selected Pro-inflammatory Transduction Pathways. <i>Frontiers in Immunology</i> , <b>2017</b> , 8, 866	8.4	19
29	Bentonites functionalized by impregnation with TiO <sub>2</sub> , Ag, Pd and Au nanoparticles. <i>Applied Clay Science</i> , <b>2017</b> , 146, 1-6	5.2	18
28	Micronizing ceramic pigments for inkjet printing: Part II. Effect on phase composition and color. <i>Ceramics International</i> , <b>2015</b> , 41, 6507-6517	5.1	18
27	A panel of in vitro tests to evaluate genotoxic and morphological neoplastic transformation potential on Balb/3T3 cells by pristine and remediated titania and zirconia nanoparticles. <i>Mutagenesis</i> , <b>2016</b> , 31, 511-29	2.8	17
26	Hollow-fiber flow field-flow fractionation and multi-angle light scattering as a new analytical solution for quality control in pharmaceutical nanotechnology. <i>Microchemical Journal</i> , <b>2018</b> , 136, 149-156	4.8	15
25	Microwave-assisted polyol synthesis of sub-micrometer Y <sub>2</sub> O <sub>3</sub> and Yb-Y <sub>2</sub> O <sub>3</sub> particles for laser source application. <i>Ceramics International</i> , <b>2010</b> , 36, 103-106	5.1	14
24	CuO nanoparticle penetration through intact and damaged human skin. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 17033-17039	3.6	14
23	Multiple approach to test nano TiO <sub>2</sub> photo-activity. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2014</b> , 292, 26-33	4.7	12

22	Risk Management Framework for Nano-Biomaterials Used in Medical Devices and Advanced Therapy Medicinal Products. <i>Materials</i> , <b>2020</b> , 13,	3.5	11
21	Innovative synthesis of nanostructured composite materials by a spray-freeze drying process: Efficient catalysts and photocatalysts preparation. <i>Catalysis Today</i> , <b>2019</b> , 334, 193-202	5.3	11
20	Polyvinyl alcohol/silver electrospun nanofibers: Biocidal filter media capturing virus-size particles. <i>Journal of Applied Polymer Science</i> , <b>2021</b> , 138, 51380	2.9	11
19	Assessing occupational risk in designs of production processes of nano-materials. <i>NanoImpact</i> , <b>2019</b> , 14, 100149	5.6	10
18	Comparative effects of metal oxide nanoparticles on human airway epithelial cells and macrophages. <i>Journal of Nanoparticle Research</i> , <b>2012</b> , 14, 1	2.3	10
17	In Vitro Toxicity of TiO:SiO Nanocomposites with Different Photocatalytic Properties. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	8
16	Length-dependent toxicity of TiO nanofibers: mitigation via shortening. <i>Nanotoxicology</i> , <b>2020</b> , 14, 433-452	5.2	8
15	Pilot- plant study for the photocatalytic/electrochemical degradation of Rhodamine B. <i>Journal of Environmental Chemical Engineering</i> , <b>2018</b> , 6, 1794-1804	6.8	7
14	Silica modification of titania nanoparticles enhances photocatalytic production of reactive oxygen species without increasing toxicity potential .. <i>RSC Advances</i> , <b>2018</b> , 8, 40369-40377	3.7	6
13	Encapsulation of cationic iridium(III) tetrazole complexes into a silica matrix: synthesis, characterization and optical properties. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 9635-9644	3.6	5
12	Microwave Assisted Synthesis of Yb:Y2O3 Based Materials for Laser Source Application. <i>Advanced Engineering Materials</i> , <b>2010</b> , 12, 205-209	3.5	5
11	ASINA Project: Towards a Methodological Data-Driven Sustainable and Safe-by-Design Approach for the Development of Nanomaterials.. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2021</b> , 9, 805096	5.8	5
10	Data Shepherding in Nanotechnology. The Initiation. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	5
9	Nanosilver: An innovative paradigm to promote its safe and active use. <i>NanoImpact</i> , <b>2018</b> , 11, 128-135	5.6	5
8	Data Shepherding in Nanotechnology: An Antimicrobial Functionality Data Capture Template. <i>Coatings</i> , <b>2021</b> , 11, 1486	2.9	4
7	Influence of spray-coating process parameters on the release of TiO2 particles for the production of antibacterial textile. <i>NanoImpact</i> , <b>2020</b> , 19, 100245	5.6	4
6	Photocatalytic Oxidation of HMF under Solar Irradiation: Coupling of Microemulsion and Lyophilization to Obtain Innovative TiO-Based Materials. <i>Molecules</i> , <b>2020</b> , 25,	4.8	3
5	Monitoring Systems of an Electrospinning Plant for the Production of Composite Nanofibers <b>2019</b> , 315-337		2

4	TiO@BSA nano-composites investigated through orthogonal multi-techniques characterization platform. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2021</b> , 207, 112037	6	2
3	Use of Cotton Textiles Coated by Ir(III) Tetrazole Complexes within Ceramic Silica Nanophases for Photo-Induced Self-Marker and Antibacterial Application. <i>Nanomaterials</i> , <b>2020</b> , 10,	5-4	1
2	Ceramized Fabrics and Their Integration in a Semi-Pilot Plant for the Photodegradation of Water Pollutants. <i>Catalysts</i> , <b>2021</b> , 11, 1418	4	1
1	Highly durable amphiphobic coatings and surfaces: A comparative step-by-step exploration of the design variables. <i>Surface and Coatings Technology</i> , <b>2021</b> , 421, 127419	4-4	