# Magda Blosi

List of Publications by Year
in descending order

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|---|---|---|---|
| 60<br>papers | 1,933<br>citations | 218381<br>26<br>h-index | 264894<br>42<br>g-index |
| 60<br>all docs | 60<br>docs citations | 60<br>times ranked | 3006<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Selective oxidation of 5-hydroxymethyl-2-furfural using supported goldâ€“copper nanoparticles. Green Chemistry, 2011, 13, 2091. | 4.6 | 242 |
| 2 | Microwave-assisted polyol synthesis of Cu nanoparticles. Journal of Nanoparticle Research, 2011, 13, 127-138. | 0.8 | 143 |
| 3 | Selective oxidation of 5-hydroxymethyl-2-furfural over TiO2-supported goldâ€“copper catalysts prepared from preformed nanoparticles: Effect of Au/Cu ratio. Catalysis Today, 2012, 195, 120-126. | 2.2 | 124 |
| 4 | Silver nanoparticles as a medical device in healthcare settings: a five-step approach for candidate screening of coating agents. Royal Society Open Science, 2018, 5, 171113. | 1.1 | 110 |
| 5 | TiO2 based nano-photocatalysis immobilized on cellulose substrates. Journal of Photochemistry and Photobiology A: Chemistry, 2014, 276, 58-64. | 2.0 | 61 |
| 6 | NanoTiO2@DNA complex: a novel eco, durable, fire retardant design strategy for cotton textiles. Journal of Colloid and Interface Science, 2019, 546, 174-183. | 5.0 | 59 |
| 7 | Coatings made of proteins adsorbed on TiO2 nanoparticles: a new flame retardant approach for cotton fabrics. Cellulose, 2018, 25, 2755-2765. | 2.4 | 48 |
| 8 | Auâ€“Ag nanoparticles as red pigment in ceramic inks for digital decoration. Dyes and Pigments, 2012, 94, 355-362. | 2.0 | 47 |
| 9 | Shape-Related Toxicity of Titanium Dioxide Nanofibres. PLoS ONE, 2016, 11, e0151365. | 1.1 | 47 |
| 10 | Nano-Sized Ceramic Inks for Drop-on-Demand Ink-Jet Printing in Quadrichromy. Journal of Nanoscience and Nanotechnology, 2008, 8, 1979-1988. | 0.9 | 46 |
| 11 | Gold Nanoparticle-Containing Membranes from in Situ Reduction of a Gold(III)â^'Aminoethylimidazolium Aurate Salt. Journal of Physical Chemistry C, 2010, 114, 9693-9701. | 1.5 | 41 |
| 12 | Toxicity of surface-modified copper oxide nanoparticles in a mouse macrophage cell line: Interplay of particles, surface coating and particle dissolution. Chemosphere, 2018, 196, 482-493. | 4.2 | 40 |
| 13 | TiO2 based photocatalytic coatings: From nanostructure to functional properties. Chemical Engineering Journal, 2013, 225, 880-886. | 6.6 | 38 |
| 14 | Micronizing ceramic pigments for inkjet printing: Part I. Grindability and particle size distribution. Ceramics International, 2015, 41, 6498-6506. | 2.3 | 38 |
| 15 | Multiple endpoints to evaluate pristine and remediated titanium dioxide nanoparticles genotoxicity in lung epithelial A549 cells. Toxicology Letters, 2017, 276, 48-61. | 0.4 | 38 |
| 16 | Green and easily scalable microwave synthesis of noble metal nanosols (Au, Ag, Cu, Pd) usable as catalysts. New Journal of Chemistry, 2014, 38, 1401-1409. | 1.4 | 36 |
| 17 | Ink-jet printability of aqueous ceramic inks for digital decoration of ceramic tiles. Dyes and Pigments, 2016, 127, 148-154. | 2.0 | 36 |
| 18 | Wetting behavior and remarkable durability of amphiphobic aluminum alloys surfaces in a wide range of environmental conditions. Chemical Engineering Journal, 2014, 258, 101-109. | 6.6 | 34 |

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| 19 | 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. Journal of Pharmaceutical and Biomedical Analysis, 2015, 106, 92-99. | 1.4 | 34 |
| 20 | Bimetallic Nanoparticles as Efficient Catalysts: Facile and Green Microwave Synthesis. Materials, 2016, 9, 550. | 1.3 | 33 |
| 21 | Polyvinyl alcohol/silver electrospun nanofibers: Biocidal filter media capturing virusâ€size particles. Journal of Applied Polymer Science, 2021, 138, 51380. | 1.3 | 33 |
| 22 | Structural Relaxation around Cr<sup>3+</sup> in YAlO<sub>3</sub>â"YCrO<sub>3</sub> Perovskites from Electron Absorption Spectra. Journal of Physical Chemistry A, 2009, 113, 13772-13778. | 1.1 | 32 |
| 23 | Solâ€"gel combustion synthesis of chromium doped yttrium aluminum perovskites. Journal of Sol-Gel Science and Technology, 2009, 50, 449-455. | 1.1 | 30 |
| 24 | Colloidal characterization of CuO nanoparticles in biological and environmental media. Environmental Science: Nano, 2017, 4, 1264-1272. | 2.2 | 30 |
| 25 | Microwave-assisted synthesis of Prâ€"ZrSiO4, Vâ€"ZrSiO4 and Crâ€"YAlO3 ceramic pigments. Journal of the European Ceramic Society, 2009, 29, 2951-2957. | 2.8 | 29 |
| 26 | Easily scalable synthesis of Ni nanosols suitable for the hydrogenation of 4-nitrophenol to p-aminophenol under mild condition. Chemical Engineering Journal, 2013, 215-216, 616-625. | 6.6 | 29 |
| 27 | A panel ofin vitrotests to evaluate genotoxic and morphological neoplastic transformation potential onBalb/3T3cells by pristine and remediated titania and zirconia nanoparticles. Mutagenesis, 2016, 31, 511-529. | 1.0 | 27 |
| 28 | Lipopolysaccharide Adsorbed to the Bio-Corona of TiO2 Nanoparticles Powerfully Activates Selected Pro-inflammatory Transduction Pathways. Frontiers in Immunology, 2017, 8, 866. | 2.2 | 27 |
| 29 | Risk Management Framework for Nano-Biomaterials Used in Medical Devices and Advanced Therapy Medicinal Products. Materials, 2020, 13, 4532. | 1.3 | 26 |
| 30 | Micronizing ceramic pigments for inkjet printing: Part II. Effect on phase composition and color. Ceramics International, 2015, 41, 6507-6517. | 2.3 | 25 |
| 31 | Ceramic Ink-Jet Printing for Digital Decoration: Physical Constraints for Ink Design. Journal of Nanoscience and Nanotechnology, 2015, 15, 3552-3561. | 0.9 | 25 |
| 32 | Hollow-fiber flow field-flow fractionation and multi-angle light scattering as a new analytical solution for quality control in pharmaceutical nanotechnology. Microchemical Journal, 2018, 136, 149-156. | 2.3 | 24 |
| 33 | Titanium dioxide nanoparticles enhance macrophage activation by LPS through a TLR4-dependent intracellular pathway. Toxicology Research, 2015, 4, 385-398. | 0.9 | 22 |
| 34 | Bentonites functionalized by impregnation with TiO 2 , Ag, Pd and Au nanoparticles. Applied Clay Science, 2017, 146, 1-6. | 2.6 | 22 |
| 35 | In Vitro Toxicity of TiO2:SiO2 Nanocomposites with Different Photocatalytic Properties. Nanomaterials, 2019, 9, 1041. | 1.9 | 21 |
| 36 | CuO nanoparticle penetration through intact and damaged human skin. New Journal of Chemistry, 2019, 43, 17033-17039. | 1.4 | 18 |

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|---|---|---|---|
| 37 | Microwave-assisted polyol synthesis of sub-micrometer Y2O3 and Yb-Y2O3 particles for laser source application. Ceramics International, 2010, 36, 103-106. | 2.3 | 17 |
| 38 | Innovative synthesis of nanostructured composite materials by a spray-freeze drying process: Efficient catalysts and photocatalysts preparation. Catalysis Today, 2019, 334, 193-202. | 2.2 | 16 |
| 39 | ASINA Project: Towards a Methodological Data-Driven Sustainable and Safe-by-Design Approach for the Development of Nanomaterials. Frontiers in Bioengineering and Biotechnology, 2021, 9, 805096. | 2.0 | 15 |
| 40 | Comparative effects of metal oxide nanoparticles on human airway epithelial cells and macrophages. Journal of Nanoparticle Research, 2012, 14, 1. | 0.8 | 14 |
| 41 | Assessing occupational risk in designs of production processes of nano-materials. NanoImpact, 2019, 14, 100149. | 2.4 | 14 |
| 42 | Multiple approach to test nano TiO2 photo-activity. Journal of Photochemistry and Photobiology A: Chemistry, 2014, 292, 26-33. | 2.0 | 13 |
| 43 | Pilot- plant study for the photocatalytic/electrochemical degradation of Rhodamine B. Journal of Environmental Chemical Engineering, 2018, 6, 1794-1804. | 3.3 | 12 |
| 44 | Silica modification of titania nanoparticles enhances photocatalytic production of reactive oxygen species without increasing toxicity potential in vitro. RSC Advances, 2018, 8, 40369-40377. | 1.7 | 12 |
| 45 | Photocatalytic Oxidation of HMF under Solar Irradiation: Coupling of Microemulsion and Lyophilization to Obtain Innovative TiO2-Based Materials. Molecules, 2020, 25, 5225. | 1.7 | 12 |
| 46 | Length-dependent toxicity of TiO<sub>2</sub> nanofibers: mitigation via shortening. Nanotoxicology, 2020, 14, 433-452. | 1.6 | 11 |
| 47 | Data Shepherding in Nanotechnology: An Antimicrobial Functionality Data Capture Template. Coatings, 2021, 11, 1486. | 1.2 | 9 |
| 48 | Nanosilver: An innovative paradigm to promote its safe and active use. NanoImpact, 2018, 11, 128-135. | 2.4 | 8 |
| 49 | Influence of spray-coating process parameters on the release of TiO2 particles for the production of antibacterial textile. NanoImpact, 2020, 19, 100245. | 2.4 | 8 |
| 50 | Data Shepherding in Nanotechnology. The Initiation. Nanomaterials, 2021, 11, 1520. | 1.9 | 8 |
| 51 | TiO2@BSA nano-composites investigated through orthogonal multi-techniques characterization platform. Colloids and Surfaces B: Biointerfaces, 2021, 207, 112037. | 2.5 | 8 |
| 52 | Quantifying Emission Factors and Setting Conditions of Use According to ECHA Chapter R.14 for a Spray Process Designed for Nanocoatingsâ€"A Case Study. Nanomaterials, 2022, 12, 596. | 1.9 | 7 |
| 53 | Encapsulation of cationic iridium(iii) tetrazole complexes into a silica matrix: synthesis, characterization and optical properties. New Journal of Chemistry, 2018, 42, 9635-9644. | 1.4 | 6 |
| 54 | Monitoring and Optimisation of Ag Nanoparticle Spray-Coating on Textiles. Nanomaterials, 2021, 11, 3165. | 1.9 | 6 |

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| 55 | Particles Emission from an Industrial Spray Coating Process Using Nano-Materials. Nanomaterials, 2022, 12, 313. | 1.9 | 6 |
| 56 | Microwave Assisted Synthesis of Yb:Y2O3 Based Materials for Laser Source Application. Advanced Engineering Materials, 2010, 12, 205-209. | 1.6 | 5 |
| 57 | Ceramized Fabrics and Their Integration in a Semi-Pilot Plant for the Photodegradation of Water Pollutants. Catalysts, 2021, 11, 1418. | 1.6 | 5 |
| 58 | Monitoring Systems of an Electrospinning Plant for the Production of Composite Nanofibers. , 2019, , 315-337. | | 3 |
| 59 | Use of Cotton Textiles Coated by Ir(III) Tetrazole Complexes within Ceramic Silica Nanophases for Photo-Induced Self-Marker and Antibacterial Application. Nanomaterials, 2020, 10, 1020. | 1.9 | 3 |
| 60 | Highly durable amphiphobic coatings and surfaces: A comparative step-by-step exploration of the design variables. Surface and Coatings Technology, 2021, 421, 127419. | 2.2 | 0 |