

# Milica Todea

## List of Publications by Year in descending order

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48  
papers

761  
citations

516710

16  
h-index

552781

26  
g-index

48  
all docs

48  
docs citations

48  
times ranked

1059  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spectroscopic study on iron doped silica-bismuthate glasses and glass ceramics. Journal of Non-Crystalline Solids, 2006, 352, 2947-2951.	3.1	57
2	Effect of surface conditioning on the flowability of Ti6Al7Nb powder for selective laser melting applications. Applied Surface Science, 2012, 258, 3276-3282.	6.1	44
3	Bioactive and biocompatible copper containing glass-ceramics with remarkable antibacterial properties and high cell viability designed for future in vivo trials. Biomaterials Science, 2016, 4, 1252-1265.	5.4	42
4	Folic acid functionalized gold nanoclusters for enabling targeted fluorescence imaging of human ovarian cancer cells. Talanta, 2021, 225, 121960.	5.5	41
5	Facile Green Synthesis of BiOBr Nanostructures with Superior Visible-Light-Driven Photocatalytic Activity. Materials, 2018, 11, 1273.	2.9	39
6	XPS study on silica-bismuthate glasses and glass ceramics. Solid State Communications, 2007, 141, 42-47.	1.9	37
7	XPS analysis of aluminosilicate microspheres bioactivity tested in vitro. Applied Surface Science, 2013, 270, 777-783.	6.1	37
8	XPS investigation of new solid forms of 5-fluorouracil with piperazine. Journal of Molecular Structure, 2018, 1165, 120-125.	3.6	34
9	Comparative in vitro study regarding the biocompatibility of titanium-base composites infiltrated with hydroxyapatite or silicatitanate. Journal of Biological Engineering, 2014, 8, 14.	4.7	32
10	Metallurgical and mechanical characterisation of titanium based materials for endosseous applications obtained by selective laser melting. Powder Metallurgy, 2012, 55, 309-314.	1.7	27
11	Effect of different surface treatments on bioactivity of porous titanium implants. Journal of Materials Science and Technology, 2019, 35, 418-426.	10.7	27
12	Hydrothermal crystallization of bismuth oxybromide (BiOBr) in the presence of different shape controlling agents. Applied Surface Science, 2020, 518, 146184.	6.1	27
13	Versatile self-assembled graphene oxide membranes obtained under ambient conditions by using a water-ethanol suspension. Journal of Materials Chemistry A, 2017, 5, 2132-2142.	10.3	26
14	Porous c.p. Titanium Using Dextrin as Space Holder for Endosseous Implants. Particulate Science and Technology, 2013, 31, 357-365.	2.1	23
15	Structural effect of cobalt ions added to a borophosphate-based glass system. Journal of Non-Crystalline Solids, 2018, 481, 562-567.	3.1	19
16	Peroxo group enhanced nanorutile as visible light active photocatalyst. Catalysis Today, 2017, 284, 129-136.	4.4	18
17	The pulmonary toxicity of carboxylated or aminated multi-walled carbon nanotubes in mice is determined by the prior purification method. Particle and Fibre Toxicology, 2020, 17, 60.	6.2	17
18	Solid dispersions of Myricetin with enhanced solubility: Formulation, characterization and crystal structure of stability-impeding Myricetin monohydrate crystals. Journal of Molecular Structure, 2017, 1141, 607-614.	3.6	15

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19	Insights into the morphological and structural particularities of highly sensitive porous bismuth-carbon nanocomposites based electrochemical sensors. <i>Sensors and Actuators B: Chemical</i> , 2018, 268, 398-410.	7.8	15
20	Composite PLA scaffolds reinforced with PDO fibers for tissue engineering. <i>Journal of Biomaterials Applications</i> , 2013, 27, 707-716.	2.4	14
21	Structural characterization of heavy metal SiO <sub>2</sub> -Bi <sub>2</sub> O <sub>3</sub> glasses and glass-ceramics. <i>Journal of Non-Crystalline Solids</i> , 2016, 432, 271-276.	3.1	14
22	Surface structure changes on aluminosilicate microspheres at the interface with simulated body fluid. <i>Corrosion Science</i> , 2012, 54, 299-306.	6.6	13
23	Structural properties of yttrium aluminosilicates microspheres. <i>Journal of Physics and Chemistry of Solids</i> , 2011, 72, 164-168.	4.0	12
24	FTIR and NMR evidence of aluminosilicate microspheres bioactivity tested in simulated body fluid. <i>Journal of Non-Crystalline Solids</i> , 2016, 432, 413-419.	3.1	12
25	Effect of selenium addition on network connectivity in P <sub>2</sub> O <sub>5</sub> -CaO-MgO-Na <sub>2</sub> O glasses. <i>Journal of Non-Crystalline Solids</i> , 2018, 488, 10-13.	3.1	12
26	A new, fast and facile synthesis method for reduced graphene oxide in N,N-dimethylformamide. <i>Synthetic Metals</i> , 2020, 269, 116576.	3.9	12
27	Insights into the effect of gold nanospheres, nanotriangles and spherical nanocages on the structural, morphological and biological properties of bioactive glasses. <i>Journal of Non-Crystalline Solids</i> , 2019, 522, 119552.	3.1	11
28	Amorphous and nanostructured silica and aluminosilicate spray-dried microspheres. <i>Journal of Molecular Structure</i> , 2011, 1000, 62-68.	3.6	8
29	Structure-composition correlation in niobium containing borophosphate glasses. <i>Journal of Non-Crystalline Solids</i> , 2020, 542, 120102.	3.1	8
30	Multi-analyses of gallstones and correlation between their properties with the laboratory results. <i>Analytical Biochemistry</i> , 2020, 593, 113587.	2.4	8
31	Influence of different silver species on the structure of bioactive silicate glasses. <i>Journal of Non-Crystalline Solids</i> , 2022, 583, 121498.	3.1	8
32	Synthesis and characterization of composite SiO <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub> -Fe <sub>2</sub> O <sub>3</sub> core-shell microspheres. <i>Journal of Sol-Gel Science and Technology</i> , 2020, 96, 395-404.	2.4	7
33	Micro-CT and histological analysis of Ti6Al7Nb custom made implants with hydroxyapatite and SiO <sub>2</sub> -TiO <sub>2</sub> coatings in a rabbit model. <i>Medicine and Pharmacy Reports</i> , 2015, 88, 408-414.	0.4	6
34	Utilization of Carbon Nanospheres in Photocatalyst Production: From Composites to Highly Active Hollow Structures. <i>Materials</i> , 2019, 12, 2537.	2.9	6
35	Composites based on silicate bioactive glasses and silver iodide microcrystals for tissue engineering applications. <i>Journal of Non-Crystalline Solids</i> , 2020, 547, 120293.	3.1	4
36	Structural characterization of interfaces in silica core-alumina shell microspheres by solid-state NMR spectroscopy. <i>Solid State Nuclear Magnetic Resonance</i> , 2022, 117, 101773.	2.3	4

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37	Heat treatment effect on structure and in vitro bioactivity of titanosilicate microspheres. Applied Surface Science, 2018, 457, 838-845.	6.1	3
38	Freeze-drying assisted sol-gel-derived silica-based particles embedding iron: synthesis and characterization. Journal of Sol-Gel Science and Technology, 2018, 87, 195-203.	2.4	3
39	Shape tailoring of AgBr microstructures: effect of the cations of different bromide sources and applied surfactants. RSC Advances, 2021, 11, 9709-9720.	3.6	3
40	Silica-based microspheres with aluminum-iron oxide shell for diagnosis and cancer treatment. Journal of Molecular Structure, 2021, 1246, 131149.	3.6	3
41	THERMAL INVESTIGATION OF SiO <sub>2</sub> -Bi <sub>2</sub> O <sub>3</sub> HEAVY METAL GLASSES. International Journal of Modern Physics B, 2005, 19, 3293-3299.	2.0	2
42	Synthesis, structural characterization and in vitro testing of dysprosium containing silica particles as potential MRI contrast enhancing agents. Applied Surface Science, 2016, 385, 569-577.	6.1	2
43	Femtosecond pulsed laser microscopy: a new tool to assess the in vitro delivered dose of carbon nanotubes in cell culture experiments. Particle and Fibre Toxicology, 2021, 18, 9.	6.2	2
44	Co-Crystals of Etravirine by Mechanochemical Activation. Journal of Pharmaceutical Sciences, 2022, 111, 1178-1186.	3.3	2
45	Stratified diffusion of HOD-D <sub>2</sub> O inside COOH- and NH <sub>2</sub> -functionalized multi-walled carbon nanotubes studied by NMR spectroscopy. Journal of Molecular Structure, 2022, 1249, 131653.	3.6	2
46	Bioactive Properties of Composites Based on Silicate Glasses and Different Silver and Gold Structures. Materials, 2022, 15, 1655.	2.9	2
47	Bone quality around implants: a comparative study of coating with hydroxyapatite and SiO <sub>2</sub> -TiO <sub>2</sub> of Ti <sub>6</sub> Al <sub>7</sub> Nb implants. Particulate Science and Technology, 2020, 38, 944-951.	2.1	1
48	"Innovative chemical coating protocol for Titanium alloy implants ". Studia Universitatis Babes-Bolyai Chemia, 2019, 64, 207-218.	0.2	0