

Gabriela Kratošiová

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

1,216
citations

567281

15
h-index

377865

34
g-index

38
all docs

38
docs citations

38
times ranked

1652
citing authors

#	ARTICLE	IF	CITATIONS
1	Applications of biosynthesized metallic nanoparticles – A review. <i>Acta Biomaterialia</i> , 2014, 10, 4023-4042.	8.3	390
2	Fungi as an efficient mycosystem for the synthesis of metal nanoparticles: progress and key aspects of research. <i>Biotechnology Letters</i> , 2015, 37, 2099-2120.	2.2	153
3	Biosynthesis of gold nanoparticles using diatoms – silica-gold and EPS-gold bionanocomposite formation. <i>Journal of Nanoparticle Research</i> , 2011, 13, 3207-3216.	1.9	120
4	Effect of Foliar Spray Application of Zinc Oxide Nanoparticles on Quantitative, Nutritional, and Physiological Parameters of Foxtail Millet (<i>Setaria italica</i> L.) under Field Conditions. <i>Nanomaterials</i> , 2019, 9, 1559.	4.1	69
5	Foliar Application of Low Concentrations of Titanium Dioxide and Zinc Oxide Nanoparticles to the Common Sunflower under Field Conditions. <i>Nanomaterials</i> , 2020, 10, 1619.	4.1	66
6	Effects of alumina in nonmetallic brake friction materials on friction performance. <i>Journal of Materials Science</i> , 2009, 44, 266-273.	3.7	43
7	Effects of silicon carbide in semi-metallic brake materials on friction performance and friction layer formation. <i>Wear</i> , 2008, 265, 1121-1128.	3.1	38
8	Biogenic Silver Nanoparticles: What We Know and What Do We Need to Know?. <i>Nanomaterials</i> , 2021, 11, 2901.	4.1	38
9	Polyamide 12 Materials Study of Morpho-Structural Changes during Laser Sintering of 3D Printing. <i>Polymers</i> , 2021, 13, 810.	4.5	36
10	From biotechnology principles to functional and low-cost metallic bionanocatalysts. <i>Biotechnology Advances</i> , 2019, 37, 154-176.	11.7	34
11	Biosilica-nanogold composite: Easy-to-prepare catalyst for soman degradation. <i>Arabian Journal of Chemistry</i> , 2019, 12, 262-271.	4.9	21
12	Role of Al_2O_3 in Semi-Metallic Friction Materials and its Effects on Friction and Wear Performance. <i>Tribology Transactions</i> , 2008, 51, 771-778.	2.0	20
13	Phytosynthesis of colloidal Ag-AgCl nanoparticles mediated by <i>Tilia sp.</i> leachate, evaluation of their behaviour in liquid phase and catalytic properties. <i>Colloid and Polymer Science</i> , 2018, 296, 677-687.	2.1	19
14	Physiological response of culture media-grown barley (<i>Hordeum vulgare</i> L.) to titanium oxide nanoparticles. <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 2017, 67, 285-291.	0.6	18
15	Effects of Foliar Application of ZnO Nanoparticles on Lentil Production, Stress Level and Nutritional Seed Quality under Field Conditions. <i>Nanomaterials</i> , 2022, 12, 310.	4.1	18
16	Silver/Chitosan Antimicrobial Nanocomposites Coating for Medical Devices: Comparison of Nanofiller Effect Prepared via Chemical Reduction and Biosynthesis. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 2938-2942.	0.9	14
17	Colloidal stability of phytosynthesised gold nanoparticles and their catalytic effects for nerve agent degradation. <i>Scientific Reports</i> , 2021, 11, 4071.	3.3	13
18	Alkali-Treated Alumina and Zirconia Powders Decorated with Hydroxyapatite for Prospective Biomedical Applications. <i>Materials</i> , 2022, 15, 1390.	2.9	13

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19	Antimicrobial bionanocomposite“from precursors to the functional material in one simple step. Journal of Nanoparticle Research, 2016, 18, 1.	1.9	12
20	Ag-AgCl Nanoparticles Fixation on Electrospun PVA Fibres: Technological Concept and Progress. Scientific Reports, 2019, 9, 15520.	3.3	10
21	Phytosynthesis of Ag, ZnO and ZrO ₂ Nanoparticles Using Linden: Changes in Their Physical-Chemical Nature Over Time. Journal of Nanoscience and Nanotechnology, 2019, 19, 7926-7933.	0.9	9
22	Simple Approach to Medical Grade Alumina and Zirconia Ceramics Surface Alteration via Acid Etching Treatment. Crystals, 2021, 11, 1232.	2.2	9
23	Preparation of Mg-Vermiculite Nanoparticles Using Potassium Persulfate Treatment. Journal of Nanoscience and Nanotechnology, 2006, 6, 2484-2488.	0.9	7
24	Aspergillus niger Decreases Bioavailability of Arsenic(V) via Biotransformation of Manganese Oxide into Biogenic Oxalate Minerals. Journal of Fungi (Basel, Switzerland), 2020, 6, 270.	3.5	6
25	Magnetically modified nanogold-biosilica composite as an effective catalyst for CO oxidation. Arabian Journal of Chemistry, 2019, 12, 1148-1158.	4.9	5
26	Phytosynthesis of Au and Au/ZrO ₂ bi-Phasic System Nanoparticles with Evaluation of Their Colloidal Stability. Journal of Nanoscience and Nanotechnology, 2019, 19, 2807-2813.	0.9	5
27	Increased Colloidal Stability and Decreased Solubility“Sol“Gel Synthesis of Zinc Oxide Nanoparticles with Humic Acids. Journal of Nanoscience and Nanotechnology, 2019, 19, 3024-3030.	0.9	5
28	Noble Metal Nanoparticles Synthesis Mediated by the Genus Dolichospermum: Perspective of Green Approach in the Nanoparticles Preparation. Advanced Science Letters, 2016, 22, 637-641.	0.2	5
29	Nanogold Biosynthesis Mediated by Mixed Flower Pollen Grains. Journal of Nanoscience and Nanotechnology, 2019, 19, 2983-2988.	0.9	4
30	Biosynthesis of Metallic Nanoparticles and Their Applications. Fundamental Biomedical Technologies, 2011, , 373-409.	0.2	3
31	Investigation of Nanoparticles in Biological Objects by Electron Microscopy Techniques. Fundamental Biomedical Technologies, 2014, , 165-187.	0.2	3
32	Transmission Electron Microscopy Observation of Bionanogold Used for Preliminary N2O Decomposition Testing. Advanced Science Letters, 2016, 22, 631-636.	0.2	3
33	Management of phytopathogens by application of green nanobiotechnology: Emerging trends and challenges. AgrĀrtudomĀnyi KĀzlemĀnyek, 2015, , 15-22.	0.3	3
34	Synthesis of metallic nanoparticles by diatoms and chrysophytes - prospects and applications.. , 0, , 61-78.		2
35	Adaptation of Acidithiobacillus bacteria to metallurgical wastes and its potential environmental risks. Waste Management and Research, 2012, 30, 295-301.	3.9	1
36	Colloidal Bio-nanoparticles in Polymer Fibers: Current Trends and Future Prospects. , 2017, , 279-294.		1

#	ARTICLE	IF	CITATIONS
37	Diversity of allochthonous substances detected in bee pollen pellets. <i>Acta Fytotechnica Et Zootechnica</i> , 2017, 20, 60-64.	0.2	0