

# Gabriela Kratošiová

## List of Publications by Year in descending order

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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	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
2	Alkali-Treated Alumina and Zirconia Powders Decorated with Hydroxyapatite for Prospective Biomedical Applications. <i>Materials</i> , 2022, 15, 1390.	2.9	13
3	Colloidal stability of phytosynthesised gold nanoparticles and their catalytic effects for nerve agent degradation. <i>Scientific Reports</i> , 2021, 11, 4071.	3.3	13
4	Polyamide 12 Materials Study of Morpho-Structural Changes during Laser Sintering of 3D Printing. <i>Polymers</i> , 2021, 13, 810.	4.5	36
5	Simple Approach to Medical Grade Alumina and Zirconia Ceramics Surface Alteration via Acid Etching Treatment. <i>Crystals</i> , 2021, 11, 1232.	2.2	9
6	Biogenic Silver Nanoparticles: What We Know and What Do We Need to Know?. <i>Nanomaterials</i> , 2021, 11, 2901.	4.1	38
7	<i>Aspergillus niger</i> Decreases Bioavailability of Arsenic(V) via Biotransformation of Manganese Oxide into Biogenic Oxalate Minerals. <i>Journal of Fungi (Basel, Switzerland)</i> , 2020, 6, 270.	3.5	6
8	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
9	Phytosynthesis of Ag, ZnO and ZrO <sub>2</sub> Nanoparticles Using Linden: Changes in Their Physical-Chemical Nature Over Time. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 7926-7933.	0.9	9
10	Ag-AgCl Nanoparticles Fixation on Electrospun PVA Fibres: Technological Concept and Progress. <i>Scientific Reports</i> , 2019, 9, 15520.	3.3	10
11	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
12	Magnetically modified nanogold-biosilica composite as an effective catalyst for CO oxidation. <i>Arabian Journal of Chemistry</i> , 2019, 12, 1148-1158.	4.9	5
13	From biotechnology principles to functional and low-cost metallic bionanocatalysts. <i>Biotechnology Advances</i> , 2019, 37, 154-176.	11.7	34
14	Phytosynthesis of Au and Au/ZrO <sub>2</sub> bi-Phasic System Nanoparticles with Evaluation of Their Colloidal Stability. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 2807-2813.	0.9	5
15	Nanogold Biosynthesis Mediated by Mixed Flower Pollen Grains. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 2983-2988.	0.9	4
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	Increased Colloidal Stability and Decreased Solubility – Sol-Gel Synthesis of Zinc Oxide Nanoparticles with Humic Acids. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 3024-3030.	0.9	5
18	Biosilica-nanogold composite: Easy-to-prepare catalyst for soman degradation. <i>Arabian Journal of Chemistry</i> , 2019, 12, 262-271.	4.9	21

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19	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
20	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
21	Colloidal Bio-nanoparticles in Polymer Fibers: Current Trends and Future Prospects. , 2017, , 279-294.		1
22	Diversity of allochthonous substances detected in bee pollen pellets. <i>Acta Fytotechnica Et Zootechnica</i> , 2017, 20, 60-64.	0.2	0
23	Antimicrobial bionanocomposite“from precursors to the functional material in one simple step. <i>Journal of Nanoparticle Research</i> , 2016, 18, 1.	1.9	12
24	Transmission Electron Microscopy Observation of Bionanogold Used for Preliminary N <sub>2</sub> O Decomposition Testing. <i>Advanced Science Letters</i> , 2016, 22, 631-636.	0.2	3
25	Noble Metal Nanoparticles Synthesis Mediated by the Genus <i>Dolichospermum</i> : Perspective of Green Approach in the Nanoparticles Preparation. <i>Advanced Science Letters</i> , 2016, 22, 637-641.	0.2	5
26	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
27	Management of phytopathogens by application of green nanobiotechnology: Emerging trends and challenges. <i>Agrár tudományi Közlemények</i> , 2015, , 15-22.	0.3	3
28	Investigation of Nanoparticles in Biological Objects by Electron Microscopy Techniques. <i>Fundamental Biomedical Technologies</i> , 2014, , 165-187.	0.2	3
29	Applications of biosynthesized metallic nanoparticles “ A review. <i>Acta Biomaterialia</i> , 2014, 10, 4023-4042.	8.3	390
30	Adaptation of <i>Acidithiobacillus</i> bacteria to metallurgical wastes and its potential environmental risks. <i>Waste Management and Research</i> , 2012, 30, 295-301.	3.9	1
31	Biosynthesis of Metallic Nanoparticles and Their Applications. <i>Fundamental Biomedical Technologies</i> , 2011, , 373-409.	0.2	3
32	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
33	Effects of alumina in nonmetallic brake friction materials on friction performance. <i>Journal of Materials Science</i> , 2009, 44, 266-273.	3.7	43
34	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
35	Role of Al <sub>2</sub> O <sub>3</sub> in Semi-Metallic Friction Materials and its Effects on Friction and Wear Performance. <i>Tribology Transactions</i> , 2008, 51, 771-778.	2.0	20
36	Preparation of Mg-Vermiculite Nanoparticles Using Potassium Persulfate Treatment. <i>Journal of Nanoscience and Nanotechnology</i> , 2006, 6, 2484-2488.	0.9	7

#	ARTICLE	IF	CITATIONS
37	Synthesis of metallic nanoparticles by diatoms and chrysophytes - prospects and applications.. , 0 , 61-78.		2