

# AleÅ; PanÃ;Äek

## List of Publications by Year in descending order

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32  
papers

4,273  
citations

394421

19  
h-index

395702

33  
g-index

34  
all docs

34  
docs citations

34  
times ranked

7563  
citing authors

#	ARTICLE	IF	CITATIONS
1	Antibacterial nanomaterials: Upcoming hope to overcome antibiotic resistance crisis. <i>Nanotechnology Reviews</i> , 2022, 11, 1115-1142.	5.8	28
2	The impact of graphene oxide on androgen receptor signalling in prostate cancer cells. <i>Chemosphere</i> , 2021, 269, 128759.	8.2	3
3	Microthermal-induced subcellular-targeted protein damage in cells on plasmonic nanosilver-modified surfaces evokes a two-phase HSP-p97/VCP response. <i>Nature Communications</i> , 2021, 12, 713.	12.8	6
4	Specific detection of <i>Staphylococcus aureus</i> infection and marker for Alzheimer disease by surface enhanced Raman spectroscopy using silver and gold nanoparticle-coated magnetic polystyrene beads. <i>Scientific Reports</i> , 2021, 11, 6240.	3.3	12
5	Crucial cytotoxic and antimicrobial activity changes driven by amount of doped silver in biocompatible carbon nitride nanosheets. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 202, 111680.	5.0	6
6	The effect of graphene oxide on signalling of xenobiotic receptors involved in biotransformation. <i>Chemosphere</i> , 2020, 253, 126753.	8.2	7
7	Simple size-controlled synthesis of Au nanoparticles and their size-dependent catalytic activity. <i>Scientific Reports</i> , 2018, 8, 4589.	3.3	281
8	Chronic dietary toxicity of zinc oxide nanoparticles in common carp ( <i>Cyprinus carpio</i> L.): Tissue accumulation and physiological responses. <i>Ecotoxicology and Environmental Safety</i> , 2018, 147, 110-116.	6.0	83
9	Bacterial resistance to silver nanoparticles and how to overcome it. <i>Nature Nanotechnology</i> , 2018, 13, 65-71.	31.5	671
10	Culture medium mediated aggregation and re-crystallization of silver nanoparticles reduce their toxicity. <i>Applied Materials Today</i> , 2018, 12, 198-206.	4.3	10
11	Effects of chronic dietary exposure of zinc oxide nanoparticles on the serum protein profile of juvenile common carp ( <i>Cyprinus carpio</i> L.). <i>Science of the Total Environment</i> , 2017, 579, 1504-1511.	8.0	65
12	Antifungal effects of copper and silver nanoparticles against white and brown-rot fungi. <i>Journal of Materials Science</i> , 2017, 52, 2720-2729.	3.7	41
13	Strong and Nonspecific Synergistic Antibacterial Efficiency of Antibiotics Combined with Silver Nanoparticles at Very Low Concentrations Showing No Cytotoxic Effect. <i>Molecules</i> , 2016, 21, 26.	3.8	121
14	Synthesis of silver nanoparticles by <i>Bacillus subtilis</i> growing on agro-industrial wastes and producing biosurfactant. <i>IET Nanobiotechnology</i> , 2016, 10, 62-68.	3.8	14
15	Silver nanoparticles strongly enhance and restore bactericidal activity of inactive antibiotics against multiresistant Enterobacteriaceae. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 142, 392-399.	5.0	131
16	Highly efficient silver particle layers on glass substrate synthesized by the sonochemical method for surface enhanced Raman spectroscopy purposes. <i>Ultrasonics Sonochemistry</i> , 2016, 32, 165-172.	8.2	11
17	Enhanced antibacterial effect of antibiotics in combination with silver nanoparticles against animal pathogens. <i>Veterinary Journal</i> , 2016, 209, 174-179.	1.7	87
18	Comparative Study of Antimicrobial Activity of AgBr and Ag Nanoparticles (NPs). <i>PLoS ONE</i> , 2015, 10, e0119202.	2.5	42

#	ARTICLE	IF	CITATIONS
19	Influence of various chloride ion concentrations on silver nanoparticle transformations and effectiveness in surface enhanced Raman scattering for different excitation wavelengths. <i>RSC Advances</i> , 2015, 5, 9737-9744.	3.6	20
20	Silver Nanoparticles Modified by Gelatin with Extraordinary pH Stability and Long-Term Antibacterial Activity. <i>PLoS ONE</i> , 2014, 9, e103675.	2.5	48
21	Preparation of silver particles and its application for surface enhanced Raman scattering with near-infrared excitation. <i>Materials Research Bulletin</i> , 2014, 50, 63-67.	5.2	6
22	Preparation, characterization and antimicrobial efficiency of Ag/PDDA-diatomite nanocomposite. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 110, 191-198.	5.0	23
23	Chitosan-based synthesis of magnetically-driven nanocomposites with biogenic magnetite core, controlled silver size, and high antimicrobial activity. <i>Green Chemistry</i> , 2012, 14, 2550.	9.0	87
24	Reproducible synthesis of silver colloidal particles tailored for application in near-infrared surface-enhanced Raman spectroscopy. <i>Journal of Materials Chemistry</i> , 2011, 21, 6416.	6.7	16
25	Acute and Chronic Toxicity Effects of Silver Nanoparticles (NPs) on <i>Drosophila melanogaster</i> . <i>Environmental Science &amp; Technology</i> , 2011, 45, 4974-4979.	10.0	147
26	Re-crystallization of silver nanoparticles in a highly concentrated NaCl environment—a new substrate for surface enhanced IR-visible Raman spectroscopy. <i>CrystEngComm</i> , 2011, 13, 2242.	2.6	27
27	Silver Voyage from Macro- to Nanoworld. <i>Journal of Chemical Education</i> , 2010, 87, 1094-1097.	2.3	16
28	Cornet-Like Phosphotriazine/Diamine Polymers as Reductant and Matrix for the Synthesis of Silver Nanocomposites with Antimicrobial Activity. <i>Macromolecular Materials and Engineering</i> , 2010, 295, 108-114.	3.6	4
29	Macromol. Mater. Eng. 2/2010. <i>Macromolecular Materials and Engineering</i> , 2010, 295, 91-94.	3.6	5
30	Polyacrylate-assisted synthesis of stable copper nanoparticles and copper(I) oxide nanocubes with high catalytic efficiency. <i>Journal of Materials Chemistry</i> , 2009, 19, 8463.	6.7	83
31	Silver Colloid Nanoparticles: Synthesis, Characterization, and Their Antibacterial Activity. <i>Journal of Physical Chemistry B</i> , 2006, 110, 16248-16253.	2.6	2,012
32	The influence of complexing agent concentration on particle size in the process of SERS active silver colloid synthesis. <i>Journal of Materials Chemistry</i> , 2005, 15, 1099-1105.	6.7	154