

# Katarzyna Soliwoda

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1687759/publications.pdf>

Version: 2024-02-01

48  
papers

1,473  
citations

448610

19  
h-index

371746

37  
g-index

48  
all docs

48  
docs citations

48  
times ranked

2909  
citing authors

#	ARTICLE	IF	CITATIONS
1	Lactoferrin-Functionalized Noble Metal Nanoparticles as New Antivirals for HSV-2 Infection. <i>Microorganisms</i> , 2022, 10, 110.	1.6	18
2	Silver Nanowires and Silanes in Hybrid Functionalization of Aramid Fabrics. <i>Molecules</i> , 2022, 27, 1952.	1.7	2
3	Antioxidant enzymes immobilized on gold and silver nanoparticles enhance DNA repairing systems of rat skin after exposure to ultraviolet radiation. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2022, 43, 102558.	1.7	3
4	Core/Shell Ag/SnO <sub>2</sub> Nanowires for Visible Light Photocatalysis. <i>Catalysts</i> , 2022, 12, 30.	1.6	8
5	The First Step in Standardizing an Artificial Aging Protocol for Dental Composites—Evaluation of Basic Protocols. <i>Molecules</i> , 2022, 27, 3511.	1.7	9
6	Gold Nanoparticles as Effective ion Traps in Poly(dimethylsiloxane) Cross-Linked by Metal-Ligand Coordination. <i>Molecules</i> , 2022, 27, 3579.	1.7	1
7	A SnO <sub>2</sub> shell for high environmental stability of Ag nanowires applied for thermal management. <i>RSC Advances</i> , 2021, 11, 4174-4185.	1.7	15
8	Systematic Studies of Gold Nanoparticles Functionalised with Thioglucose and its Cytotoxic Effect. <i>ChemistrySelect</i> , 2021, 6, 1230-1237.	0.7	1
9	The effect of immobilized antioxidant enzymes on the oxidative stress in UV-irradiated rat skin. <i>Nanomedicine</i> , 2020, 15, 23-39.	1.7	13
10	Facile synthesis of SnO <sub>2</sub> shell followed by microwave treatment for high environmental stability of Ag nanoparticles. <i>RSC Advances</i> , 2020, 10, 38424-38436.	1.7	4
11	&lt;p&gt;Polyphenol-Conjugated Bimetallic Au@AgNPs for Improved Wound Healing&lt;/p&gt;. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 4969-4990.	3.3	32
12	Tannic acid-modified silver nanoparticles enhance the anti-Acanthamoeba activity of three multipurpose contact lens solutions without increasing their cytotoxicity. <i>Parasites and Vectors</i> , 2020, 13, 624.	1.0	12
13	Cytotoxic effects in transformed and non-transformed human breast cell lines after exposure to silver nanoparticles in combination with selected aluminium compounds, parabens or phthalates. <i>Journal of Hazardous Materials</i> , 2020, 392, 122442.	6.5	15
14	Assessment of acute toxicological effects of molybdenum(IV) disulfide nano- and microparticles after single intratracheal administration in rats. <i>Science of the Total Environment</i> , 2020, 742, 140545.	3.9	8
15	Comparative analysis of biological effects of molybdenum(IV) sulfide in the form of nano- and microparticles on human hepatoma HepG2 cells grown in 2D and 3D models. <i>Toxicology in Vitro</i> , 2020, 68, 104931.	1.1	8
16	Combined effect of silver nanoparticles and aluminium chloride, butylparaben or diethylphthalate on the malignancy of MDA-MB-231 breast cancer cells and tumor-specific immune responses of human macrophages and monocyte-derived dendritic cells. <i>Toxicology in Vitro</i> , 2020, 65, 104774.	1.1	2
17	Differences in corona formation of catalase immobilised on gold and silver nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 600, 125003.	2.3	4
18	The synthesis of monodisperse silver nanoparticles with plant extracts. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 177, 19-24.	2.5	69

#	ARTICLE	IF	CITATIONS
19	A Study of the Activity of Recombinant Mn-Superoxide Dismutase in the Presence of Gold and Silver Nanoparticles. <i>Applied Biochemistry and Biotechnology</i> , 2019, 187, 1551-1568.	1.4	14
20	Immobilization of Recombinant Human Catalase on Gold and Silver Nanoparticles. <i>Applied Biochemistry and Biotechnology</i> , 2018, 185, 717-735.	1.4	31
21	Antiviral Activity of Tannic Acid Modified Silver Nanoparticles: Potential to Activate Immune Response in Herpes Genitalis. <i>Viruses</i> , 2018, 10, 524.	1.5	94
22	Tannic acid-modified silver nanoparticles for wound healing: the importance of size. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 991-1007.	3.3	101
23	Comparison of the antioxidant activity of catalase immobilized on gold nanoparticles via specific and non-specific adsorption. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 171, 707-714.	2.5	24
24	Tannic Acid-Modified Silver and Gold Nanoparticles as Novel Stimulators of Dendritic Cells Activation. <i>Frontiers in Immunology</i> , 2018, 9, 1115.	2.2	32
25	Interactions of hybrid gold-tannic acid nanoparticles with human serum albumin. <i>European Biophysics Journal</i> , 2017, 46, 49-57.	1.2	12
26	Printed Nonvolatile Resistive Memories Based on a Hybrid Organic/Inorganic Functional Ink. <i>Advanced Materials Technologies</i> , 2017, 2, 1700058.	3.0	6
27	A study on the in vitro percutaneous absorption of silver nanoparticles in combination with aluminum chloride, methyl paraben or di-n-butyl phthalate. <i>Toxicology Letters</i> , 2017, 272, 38-48.	0.4	34
28	Inhibitory effect of silver nanoparticles on proliferation of estrogen-dependent MCF-7/BUS human breast cancer cells induced by butyl paraben or di-n-butyl phthalate. <i>Toxicology and Applied Pharmacology</i> , 2017, 337, 12-21.	1.3	13
29	Catalase-modified gold nanoparticles: Determination of the degree of protein adsorption by gel electrophoresis. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 159, 533-539.	2.5	11
30	Genotoxic effects in transformed and non-transformed human breast cell lines after exposure to silver nanoparticles in combination with aluminium chloride, butylparaben or di-n-butylphthalate. <i>Toxicology in Vitro</i> , 2017, 45, 181-193.	1.1	19
31	The role of tannic acid and sodium citrate in the synthesis of silver nanoparticles. <i>Journal of Nanoparticle Research</i> , 2017, 19, 273.	0.8	182
32	Tannic acid modification of metal nanoparticles: possibility for new antiviral applications. , 2017, , 335-363.		21
33	Versatile Phase Transfer Method for the Efficient Surface Functionalization of Gold Nanoparticles: Towards Controlled Nanoparticle Dispersion in a Polymer Matrix. <i>Journal of Nanomaterials</i> , 2016, 2016, 1-10.	1.5	5
34	Spectroscopic and electrochemical monitoring of band structure changes during the alloying of CdTe QDs by Hg <sup>2+</sup> ions. <i>Materials Research Express</i> , 2016, 3, 105046.	0.8	4
35	Toxicity of tannic acid-modified silver nanoparticles in keratinocytes: potential for immunomodulatory applications. <i>Toxicology in Vitro</i> , 2016, 35, 43-54.	1.1	23
36	Synthesis of silver nanoparticles from <i>Metarhizium robertsii</i> waste biomass extract after nonylphenol degradation, and their antimicrobial and catalytic potential. <i>RSC Advances</i> , 2016, 6, 21475-21485.	1.7	18

#	ARTICLE	IF	CITATIONS
37	Acoustic and volumetric studies on water + diethylene glycol mixtures in a wide temperature range. Comparison with mixtures of water with tri- and tetraethylene glycol. <i>Journal of Molecular Liquids</i> , 2016, 215, 520-533.	2.3	16
38	Synthesis of monodisperse gold nanoparticles via electrospray-assisted chemical reduction method in cyclohexane. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 482, 148-153.	2.3	28
39	Modification of gold and silver nanoparticles with n-dialkyldithiophosphates. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 468, 219-225.	2.3	7
40	Air-stable, non-volatile resistive memory based on hybrid organic/inorganic nanocomposites. <i>Organic Electronics</i> , 2015, 18, 17-23.	1.4	47
41	Electrospray deposition of gold nanoparticles from aqueous colloids on solid substrates. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 486, 211-217.	2.3	22
42	The influence of the chain length and the functional group steric accessibility of thiols on the phase transfer efficiency of gold nanoparticles from water to toluene. <i>Polish Journal of Chemical Technology</i> , 2014, 16, 86-91.	0.3	16
43	Honeycomb-structured porous poly(3,4-ethylenedioxythiophene) composite layers on a gold electrode. <i>Thin Solid Films</i> , 2014, 565, 54-61.	0.8	24
44	Effect of the Alkyl Chain Length of Secondary Amines on the Phase Transfer of Gold Nanoparticles from Water to Toluene. <i>Langmuir</i> , 2014, 30, 6684-6693.	1.6	27
45	The effect of the surface nanostructure and composition on the antiwear properties of zirconia/titania coatings. <i>Ceramics International</i> , 2013, 39, 1111-1123.	2.3	16
46	Detection Limits of DLS and UV-Vis Spectroscopy in Characterization of Polydisperse Nanoparticles Colloids. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-10.	1.5	331
47	The effect of the deposition parameters on size, distribution and antimicrobial properties of photoinduced silver nanoparticles on titania coatings. <i>Applied Surface Science</i> , 2011, 257, 7076-7082.	3.1	41
48	The effect of ceramic nanoparticles on tribological properties of alumina sol-gel thin coatings. <i>Ceramics International</i> , 2010, 36, 47-54.	2.3	30