

Hab Grzegorz Celichowski

List of Publications by Year in descending order

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75
papers

2,106
citations

257450
24
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254184
43
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75
all docs

75
docs citations

75
times ranked

3552
citing authors

#	ARTICLE	IF	CITATIONS
1	Detection Limits of DLS and UV-Vis Spectroscopy in Characterization of Polydisperse Nanoparticles Colloids. Journal of Nanomaterials, 2013, 2013, 1-10.	2.7	331
2	The role of tannic acid and sodium citrate in the synthesis of silver nanoparticles. Journal of Nanoparticle Research, 2017, 19, 273.	1.9	182
3	Tannic Acid Modified Silver Nanoparticles Show Antiviral Activity in Herpes Simplex Virus Type 2 Infection. PLoS ONE, 2014, 9, e104113.	2.5	167
4	Tannic acid-modified silver nanoparticles for wound healing: the importance of size. International Journal of Nanomedicine, 2018, Volume 13, 991-1007.	6.7	101
5	Antiviral Activity of Tannic Acid Modified Silver Nanoparticles: Potential to Activate Immune Response in Herpes Genitalis. Viruses, 2018, 10, 524.	3.3	94
6	The synthesis of monodisperse silver nanoparticles with plant extracts. Colloids and Surfaces B: Biointerfaces, 2019, 177, 19-24.	5.0	69
7	Multifunctional Tannic Acid/Silver Nanoparticle-Based Mucoadhesive Hydrogel for Improved Local Treatment of HSV Infection: In Vitro and In Vivo Studies. International Journal of Molecular Sciences, 2018, 19, 387.	4.1	61
8	Investigation of 3-mercaptopropyltrimethoxysilane self-assembled monolayers on Au(111) surface. Applied Surface Science, 2005, 242, 147-153.	6.1	48
9	Air-stable, non-volatile resistive memory based on hybrid organic/inorganic nanocomposites. Organic Electronics, 2015, 18, 17-23.	2.6	47
10	Assessment of in vitro cellular responses of monocytes and keratinocytes to tannic acid modified silver nanoparticles. Toxicology in Vitro, 2013, 27, 1798-1808.	2.4	44
11	Gold nanoparticle bioconjugates labelled with ²¹¹ At for targeted alpha therapy. RSC Advances, 2017, 7, 41024-41032.	3.6	43
12	Investigation on functionalization of cotton and viscose fabrics with AgNWs. Cellulose, 2017, 24, 409-422.	4.9	37
13	A study on the in vitro percutaneous absorption of silver nanoparticles in combination with aluminum chloride, methyl paraben or di-n-butyl phthalate. Toxicology Letters, 2017, 272, 38-48.	0.8	34
14	Microwave-assisted TiO ₂ : anatase formation on cotton and viscose fabric surfaces. Cellulose, 2016, 23, 2143-2159.	4.9	32
15	Tannic Acid-Modified Silver and Gold Nanoparticles as Novel Stimulators of Dendritic Cells Activation. Frontiers in Immunology, 2018, 9, 1115.	4.8	32
16	<p>Polyphenol-Conjugated Bimetallic Au@AgNPs for Improved Wound Healing</p>. International Journal of Nanomedicine, 2020, Volume 15, 4969-4990.	6.7	32
17	Superhydrophobic Surface by Replication of Laser Micromachined Pattern in Epoxy/Alumina Nanoparticle Composite. Journal of Nanomaterials, 2014, 2014, 1-11.	2.7	31
18	Immobilization of Recombinant Human Catalase on Gold and Silver Nanoparticles. Applied Biochemistry and Biotechnology, 2018, 185, 717-735.	2.9	31

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19	Tribological performance of some polyoxyethylene dithiophosphate derivatives water solutions. <i>Wear</i> , 2001, 249, 1077-1089.	3.1	29
20	Superhydrophobic dual-sized filler epoxy composite coatings. <i>Surface and Coatings Technology</i> , 2013, 225, 66-74.	4.8	29
21	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.	4.7	28
22	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.	3.5	27
23	Modification of epoxy resin, silicon and glass surfaces with alkyl- or fluoroalkylsilanes for hydrophobic properties. <i>Applied Surface Science</i> , 2016, 380, 91-100.	6.1	26
24	Honeycomb-structured porous poly(3,4-ethylenedioxythiophene) composite layers on a gold electrode. <i>Thin Solid Films</i> , 2014, 565, 54-61.	1.8	24
25	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.	5.0	24
26	Relationships between surface chemistry, nanotopography, wettability and ice adhesion in epoxy and SU-8 modified with fluoroalkylsilanes from the vapor phase. <i>Applied Surface Science</i> , 2019, 479, 489-498.	6.1	24
27	Toxicity of tannic acid-modified silver nanoparticles in keratinocytes: potential for immunomodulatory applications. <i>Toxicology in Vitro</i> , 2016, 35, 43-54.	2.4	23
28	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.	4.7	22
29	Tannic acid modification of metal nanoparticles: possibility for new antiviral applications. , 2017, , 335-363.		21
30	Preparation and tribological tests of thin fluoroorganic films. <i>Applied Surface Science</i> , 2008, 254, 4273-4278.	6.1	19
31	Vapor phase deposition of fluoroalkyl trichlorosilanes on silicon and glass: Influence of deposition conditions and chain length on wettability and adhesion forces. <i>Materials Chemistry and Physics</i> , 2018, 204, 305-314.	4.0	19
32	Lactoferrin-Functionalized Noble Metal Nanoparticles as New Antivirals for HSV-2 Infection. <i>Microorganisms</i> , 2022, 10, 110.	3.6	18
33	Multifunctional hybrid functionalization of cellulose fabrics with AgNWs and TiO ₂ . <i>Carbohydrate Polymers</i> , 2017, 177, 397-405.	10.2	17
34	Influence of Low-Pressure RF Plasma Treatment on Aramid Yarns Properties. <i>Molecules</i> , 2020, 25, 3476.	3.8	17
35	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.	0.5	16
36	Hydrophobization of epoxy nanocomposite surface with 1H,1H,2H,2H-perfluorooctyltrichlorosilane for superhydrophobic properties. <i>Open Physics</i> , 2012, 10, .	1.7	15

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37	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.	12.4	15
38	A SnO ₂ shell for high environmental stability of Ag nanowires applied for thermal management. <i>RSC Advances</i> , 2021, 11, 4174-4185.	3.6	15
39	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.	2.9	14
40	Hydrophobic and superhydrophobic surfaces fabricated by plasma polymerization of perfluorohexane, perfluoro(2-methylpent-2-ene), and perfluoro(4-methylpent-2-ene). <i>Journal of Adhesion Science and Technology</i> , 2015, 29, 2035-2048.	2.6	13
41	Dynamic water contact angle during initial phases of droplet impingement. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 508, 57-69.	4.7	13
42	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.	2.8	13
43	The effect of immobilized antioxidant enzymes on the oxidative stress in UV-irradiated rat skin. <i>Nanomedicine</i> , 2020, 15, 23-39.	3.3	13
44	Formation of nanostructured TiO ₂ -anatase films on the basalt fiber surface. <i>Surface and Coatings Technology</i> , 2015, 276, 686-695.	4.8	12
45	Interactions of hybrid gold-tannic acid nanoparticles with human serum albumin. <i>European Biophysics Journal</i> , 2017, 46, 49-57.	2.2	12
46	Magnetic nanoparticles bearing metallocarbonyl moiety as antibacterial and antifungal agents. <i>Applied Surface Science</i> , 2019, 487, 601-609.	6.1	12
47	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.	5.0	11
48	Flash thermolysis of dibenzyl and diphenyl disulphides. <i>Wear</i> , 2000, 237, 295-299.	3.1	10
49	The Influence of Methyl Group Content on Tribological Properties of Organo-Silica Thin Films. <i>Tribology Letters</i> , 2003, 14, 181-185.	2.6	9
50	Dynamic contact of droplet with superhydrophobic surface in conditions favour icing. <i>Journal of Physics: Conference Series</i> , 2014, 530, 012028.	0.4	9
51	A molecular-beam study of the tribological chemistry of carbon tetrachloride on oxygen-covered iron. <i>Tribology Letters</i> , 2001, 9, 161-165.	2.6	8
52	Synthesis and characterization of metallocarbonyl functionalized gold nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011, 385, 241-248.	4.7	8
53	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.	8.0	8
54	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.	2.4	8

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55	Influence of Modified Epoxy Resins on Peroxide Curing, Mechanical Properties and Adhesion of SBR, NBR and XNBR to Silver Wires. Part I: Application of Monoperoxy Derivative of Epoxy Resin (PO). Materials, 2021, 14, 1320.	2.9	8
56	Core/Shell Ag/SnO ₂ Nanowires for Visible Light Photocatalysis. Catalysts, 2022, 12, 30.	3.5	8
57	Comparison of Two Methods of Methyl Group Grafting to the Silica Thin Film Surface and Its Tribological Properties Measured by Atomic Force Microscopy. Tribology Letters, 2004, 16, 181-185.	2.6	7
58	Modification of gold and silver nanoparticles with n-dialkyldithiophosphates. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 468, 219-225.	4.7	7
59	Load-carrying synergism of binary additive systems: dibenzyl disulphide and halogenated hydrocarbons. Tribology International, 1999, 32, 315-325.	5.9	6
60	Specific binding of a biotinylated, metallocarbonyl-labelled dendrimer to immobilized avidin detected by diffuse-reflectance infrared Fourier transform spectroscopy. Applied Organometallic Chemistry, 2004, 18, 105-110.	3.5	6
61	Printed Nonvolatile Resistive Memories Based on a Hybrid Organic/Inorganic Functional Ink. Advanced Materials Technologies, 2017, 2, 1700058.	5.8	6
62	Influence of Modified Epoxy Resins on Peroxide Curing, Mechanical Properties and Adhesion of SBR, NBR and XNBR to Silver Wires – Part II: Application of Carboxy-Containing Peroxy Oligomer (CPO). Materials, 2021, 14, 1285.	2.9	6
63	Versatile Phase Transfer Method for the Efficient Surface Functionalization of Gold Nanoparticles: Towards Controlled Nanoparticle Dispersion in a Polymer Matrix. Journal of Nanomaterials, 2016, 2016, 1-10.	2.7	5
64	Friction properties of triazine-containing hybrid composites. Tribology Letters, 2006, 24, 119-126.	2.6	4
65	Facile synthesis of SnO ₂ shell followed by microwave treatment for high environmental stability of Ag nanoparticles. RSC Advances, 2020, 10, 38424-38436.	3.6	4
66	Differences in corona formation of catalase immobilised on gold and silver nanoparticles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 600, 125003.	4.7	4
67	Quantification of metal dithiocarbamates by thin-layer chromatography. Journal of Planar Chromatography - Modern TLC, 2013, 26, 502-507.	1.2	3
68	Droplet Impact in Icing Conditions – Experimental Study for WE 540. Archive of Mechanical Engineering, 2017, 64, 165-175.	0.7	3
69	Antioxidant enzymes immobilized on gold and silver nanoparticles enhance DNA repairing systems of rat skin after exposure to ultraviolet radiation. Nanomedicine: Nanotechnology, Biology, and Medicine, 2022, 43, 102558.	3.3	3
70	Analysis of dithiocarbamate – thiuram disulfide mixtures. Analyst, The, 1995, 120, 2273-2275.	3.5	2
71	Preparation of metallocarbonyl – gold-antibody bioconjugates for mid-IR optical immunosensing. Journal of Organometallic Chemistry, 2013, 734, 32-37.	1.8	2
72	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. Toxicology in Vitro, 2020, 65, 104774.	2.4	2

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73	Silver Nanowires and Silanes in Hybrid Functionalization of Aramid Fabrics. <i>Molecules</i> , 2022, 27, 1952.	3.8	2
74	Systematic Studies of Gold Nanoparticles Functionalised with Thioglucose and its Cytotoxic Effect. <i>ChemistrySelect</i> , 2021, 6, 1230-1237.	1.5	1
75	Combined effect of silver nanoparticles and other cosmetic additives on viability of human breast cell lines. <i>Toxicology Letters</i> , 2015, 238, S207.	0.8	0