

Magdalena Parlinska-Wojtan

List of Publications by Year in descending order

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113
papers

3,164
citations

147801

31
h-index

189892

50
g-index

120
all docs

120
docs citations

120
times ranked

4690
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of iron-based magnetic nanoparticles stabilized with triethanolammonium oleate for theranostics. <i>Journal of Materials Science</i> , 2022, 57, 4716-4737.	3.7	13
2	Differential of cholangiocarcinoma disease using Raman spectroscopy combined with multivariate analysis. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 272, 121006.	3.9	13
3	N-Acetyl-Cysteine Increases Activity of Peanut-Shaped Gold Nanoparticles Against Biofilms Formed by Clinical Strains of <i>Pseudomonas aeruginosa</i> Isolated from Sputum of Cystic Fibrosis Patients. <i>Infection and Drug Resistance</i> , 2022, Volume 15, 851-871.	2.7	4
4	The role of the addition of Cu in alloyed and multilayered Fe-based nanowires. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2022, 281, 115732.	3.5	5
5	Controlling the selectivity of high-surface-area Ru/TiO ₂ catalysts in CO ₂ reduction - modifying the reaction properties by Si doping of the support. <i>Applied Catalysis B: Environmental</i> , 2022, 317, 121748.	20.2	7
6	Effects of SiO ₂ -doping on high-surface-area Ru/TiO ₂ catalysts for the selective CO methanation. <i>Applied Catalysis B: Environmental</i> , 2021, 282, 119483.	20.2	27
7	ROS-Mediated Apoptosis and Autophagy in Ovarian Cancer Cells Treated with Peanut-Shaped Gold Nanoparticles. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 1993-2011.	6.7	40
8	Bactericidal Properties of Rod-, Peanut-, and Star-Shaped Gold Nanoparticles Coated with Ceragenin CSA-131 against Multidrug-Resistant Bacterial Strains. <i>Pharmaceutics</i> , 2021, 13, 425.	4.5	25
9	Varied-shaped gold nanoparticles with nanogram killing efficiency as potential antimicrobial surface coatings for the medical devices. <i>Scientific Reports</i> , 2021, 11, 12546.	3.3	61
10	Controlling the O-Vacancy Formation and Performance of Au/ZnO Catalysts in CO ₂ Reduction to Methanol by the ZnO Particle Size. <i>ACS Catalysis</i> , 2021, 11, 9022-9033.	11.2	53
11	Steering the selectivity in CO ₂ reduction on highly active Ru/TiO ₂ catalysts: Support particle size effects. <i>Journal of Catalysis</i> , 2021, 401, 160-173.	6.2	25
12	Gold-Decorated Platinum and Palladium Nanoparticles as Modern Nanocomplexes to Improve the Effectiveness of Simulated Anticancer Proton Therapy. <i>Pharmaceutics</i> , 2021, 13, 1726.	4.5	7
13	Peanut-Shaped Gold Nanoparticles with Shells of Ceragenin CSA-131 Display the Ability to Inhibit Ovarian Cancer Growth In Vitro and in a Tumor Xenograft Model. <i>Cancers</i> , 2021, 13, 5424.	3.7	5
14	Ceragenin-Coated Non-Spherical Gold Nanoparticles as Novel Candidacidal Agents. <i>Pharmaceutics</i> , 2021, 13, 1940.	4.5	5
15	Targeting bacteria causing otitis media using nanosystems containing nonspherical gold nanoparticles and ceragenins. <i>Nanomedicine</i> , 2021, 16, 2657-2678.	3.3	4
16	Gold nanodahlia: potential nanophotosensitizer in photothermal anticancer therapy. <i>Journal of Materials Science</i> , 2020, 55, 2530-2543.	3.7	8
17	Synthesis method-dependent photothermal effects of colloidal solutions of platinum nanoparticles used in photothermal anticancer therapy. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5401.	3.5	11
18	Size effect of platinum nanoparticles in simulated anticancer photothermal therapy. <i>Photodiagnosis and Photodynamic Therapy</i> , 2020, 29, 101594.	2.6	20

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19	Ultraslow Spin Relaxation Dynamics in Colloidal Copper-Doped CdSe Quantum Dots. Journal of Physical Chemistry C, 2020, 124, 1042-1052.	3.1	4
20	Fe ₃ O ₄ @SiO ₂ @Au nanoparticles for MRI-guided chemo/NIR photothermal therapy of cancer cells. RSC Advances, 2020, 10, 26508-26520.	3.6	26
21	CO ₂ Reduction to Methanol on Au/CeO ₂ Catalysts: Mechanistic Insights from Activation/Deactivation and SSITKA Measurements. ACS Catalysis, 2020, 10, 3580-3594.	11.2	47
22	Raising the CO ₂ Methanation Activity of a Ru/Al ₂ O ₃ Catalyst by Activated Modification of Metal-Support Interactions. Angewandte Chemie - International Edition, 2020, 59, 22763-22770.	13.8	66
23	Rod-shaped gold nanoparticles exert potent candidacidal activity and decrease the adhesion of fungal cells. Nanomedicine, 2020, 15, 2733-2752.	3.3	13
24	Aktivierete Modifikation der Träger-Metall-Wechselwirkungen als Schlüssel für hochaktive Ru/Al ₂ O ₃ Katalysatoren für die CO _x -Methanisierung. Angewandte Chemie, 2020, 132, 22951-22959.	2.0	0
25	Gold Nanoparticles as Prospective Support for Cisplatin in Glioblastoma Nano-Chemo-Radiotherapy. International Journal of Molecular Sciences, 2020, 21, 9082.	4.1	7
26	Fancy-Shaped Gold-Platinum Nanocauliflowers for Improved Proton Irradiation Effect on Colon Cancer Cells. International Journal of Molecular Sciences, 2020, 21, 9610.	4.1	15
27	Ternary Pt/Re/SnO ₂ /C catalyst for EOR: Electrocatalytic activity and durability enhancement. Nano Research, 2020, 13, 832-842.	10.4	14
28	Similarities in the General Chemical Composition of Colon Cancer Cells and Their Microvesicles Investigated by Spectroscopic Methods-Potential Clinical Relevance. International Journal of Molecular Sciences, 2020, 21, 1826.	4.1	4
29	Encapsulation of Ru nanoparticles: Modifying the reactivity toward CO and CO ₂ methanation on highly active Ru/TiO ₂ catalysts. Applied Catalysis B: Environmental, 2020, 270, 118846.	20.2	84
30	From spherical to bone-shaped gold nanoparticles—Time factor in the formation of Au NPs, their optical and photothermal properties. Photodiagnosis and Photodynamic Therapy, 2020, 30, 101670.	2.6	20
31	Temperature-controlled synthesis of hollow, porous gold nanoparticles with wide range light absorption. Journal of Materials Science, 2020, 55, 5257-5267.	3.7	17
32	Autologous tumor-derived microvesicles influence gene expression profiles and enhance protumorigenic chemotactic potential, signal transduction and cellular respiration in gastric cancer cells. International Journal of Oncology, 2020, 56, 359-367.	3.3	2
33	Platinum-gold nanoraspberries as effective photosensitizer in anticancer photothermal therapy. Journal of Nanobiotechnology, 2019, 17, 107.	9.1	20
34	Control of Arms of Au Stars Size and its Dependent Cytotoxicity and Photosensitizer Effects in Photothermal Anticancer Therapy. International Journal of Molecular Sciences, 2019, 20, 5011.	4.1	12
35	Preparation of Pt-skin PtRhNi Nanoframes Decorated with Small SnO ₂ Nanoparticles as an Efficient Catalyst for Ethanol Oxidation Reaction. ACS Applied Materials & Interfaces, 2019, 11, 22352-22363.	8.0	18
36	Highly Active and Stable Single-Atom Cu Catalysts Supported by a Metal-Organic Framework. Journal of the American Chemical Society, 2019, 141, 5201-5210.	13.7	361

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37	Nanoindentation deformation and cracking in sapphire. <i>Ceramics International</i> , 2019, 45, 9835-9845.	4.8	19
38	Conversion of bimetallic PtNi ₃ nanopolyhedra to ternary PtNiSn nanoframes by galvanic replacement reaction. <i>Nanoscale</i> , 2019, 11, 5355-5364.	5.6	12
39	Ternary Pt/Re/SnO ₂ nanoparticles for ethanol oxidation reaction: Understanding the correlation between the synthesis route and the obtained material. <i>Applied Catalysis A: General</i> , 2019, 570, 319-328.	4.3	8
40	The optimization of methods of synthesis of nickel-silver core-shell nanoparticles for conductive materials. <i>Nanotechnology</i> , 2019, 30, 015601.	2.6	12
41	Green synthesis and antibacterial effects of aqueous colloidal solutions of silver nanoparticles using clove eugenol. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4276.	3.5	29
42	FTIR-ATR spectroscopy of pollen and honey as a tool for unifloral honey authentication. The case study of rape honey. <i>Food Control</i> , 2018, 84, 33-40.	5.5	99
43	Qualitative and quantitative changes in phospholipids and proteins investigated by spectroscopic techniques in olfactory bulbectomy animal depression model. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 148, 24-31.	2.8	13
44	Comparing dried and liquid blood serum samples of depressed patients: An analysis by Raman and infrared spectroscopy methods. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 150, 80-86.	2.8	16
45	Applications of Noble Metal-Based Nanoparticles in Medicine. <i>International Journal of Molecular Sciences</i> , 2018, 19, 4031.	4.1	172
46	Design and assembly of ternary Pt/Re/SnO ₂ NPs by controlling the zeta potential of individual Pt, Re, and SnO ₂ NPs. <i>Journal of Nanoparticle Research</i> , 2018, 20, 144.	1.9	22
47	Identification of birch pollen species using FTIR spectroscopy. <i>Aerobiologia</i> , 2018, 34, 525-538.	1.7	33
48	Qualitative and quantitative changes in phospholipids and proteins investigated by spectroscopic techniques in animal depression model. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 176, 30-37.	3.9	11
49	The role of zinc deficiency-induced changes in the phospholipid-protein balance of blood serum in animal depression model by Raman, FTIR and UV-vis spectroscopy. <i>Biomedicine and Pharmacotherapy</i> , 2017, 89, 549-558.	5.6	22
50	Design and Control of Mode Interaction in Coupled ZnTe Optical Microcavities. <i>Crystal Growth and Design</i> , 2017, 17, 3716-3723.	3.0	7
51	Structural, chemical and optical properties of SnO ₂ NPs obtained by three different synthesis routes. <i>Journal of Physics and Chemistry of Solids</i> , 2017, 107, 100-107.	4.0	17
52	FTIR analysis of molecular composition changes in hazel pollen from unpolluted and urbanized areas. <i>Aerobiologia</i> , 2017, 33, 1-12.	1.7	43
53	Synthesis and characterization of new functionalized polymer-Fe ₃ O ₄ nanocomposite particles. <i>EXPRESS Polymer Letters</i> , 2017, 11, 2-13.	2.1	15
54	Effects of laser surface texturing on the wear and failure mechanism of grey cast iron reciprocating against steel under starved lubrication conditions. <i>Wear</i> , 2017, 386-387, 29-38.	3.1	44

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55	Spectroscopic and positron lifetime measurements of hydrogenated single walled carbon nanohorns. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2016, 213, 2461-2467.	1.8	0
56	Distributed Bragg reflectors obtained by combining Se and Te compounds: Influence on the luminescence from CdTe quantum dots. <i>Journal of Applied Physics</i> , 2016, 119, 183105.	2.5	9
57	Green synthesis and antibacterial effects of aqueous colloidal solutions of silver nanoparticles using camomile terpenoids as a combined reducing and capping agent. <i>Bioprocess and Biosystems Engineering</i> , 2016, 39, 1213-1223.	3.4	80
58	Phospholipid-protein balance in affective disorders: Analysis of human blood serum using Raman and FTIR spectroscopy. A pilot study. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 131, 287-296.	2.8	40
59	Oxygen diffusion in columnar TiAlSiN coatings investigated by electron microscopy. <i>Thin Solid Films</i> , 2016, 616, 437-443.	1.8	17
60	Deactivation of Au/CeO ₂ catalysts during CO oxidation: Influence of pretreatment and reaction conditions. <i>Journal of Catalysis</i> , 2016, 341, 160-179.	6.2	67
61	Effect of electron-hole separation on optical properties of individual Cd(Se,Te) quantum dots. <i>Physical Review B</i> , 2016, 93, .	3.2	6
62	Analysis of morphological and molecular composition changes in allergenic <i>Artemisia vulgaris</i> L. pollen under traffic pollution using SEM and FTIR spectroscopy. <i>Environmental Science and Pollution Research</i> , 2016, 23, 23203-23214.	5.3	42
63	3D Î€-Conjugated Poly(amic) Acid Polymer as Support Matrices for Ethanol Electro-Oxidation on Palladium and Platinum Catalysts. <i>Electrocatalysis</i> , 2016, 7, 317-325.	3.0	4
64	Olfactory bulbectomy-induced changes in phospholipids and protein profiles in the hippocampus and prefrontal cortex of rats. A preliminary study using a FTIR spectroscopy. <i>Pharmacological Reports</i> , 2016, 68, 521-528.	3.3	17
65	AlN/Si ₃ N ₄ multilayers as an interface model system for Al ¹ x Si x N/Si ₃ N ₄ nanocomposite thin films. <i>Surface and Coatings Technology</i> , 2015, 261, 418-425.	4.8	7
66	Mechanical behavior of intragranular, nano-porous electrodeposited zinc oxide. <i>Thin Solid Films</i> , 2015, 578, 174-179.	1.8	4
67	Engineering the hole confinement for CdTe-based quantum dot molecules. <i>Journal of Applied Physics</i> , 2015, 117, .	2.5	2
68	Microstructure and reducibility of Ceâ€“Erâ€“O mixed oxides supported on Î³-Al ₂ O ₃ â€“ Effect of preparation method. <i>Applied Surface Science</i> , 2015, 351, 1094-1104.	6.1	5
69	Synthesis and catalytic, antimicrobial and cytotoxicity evaluation of gold and silver nanoparticles using biodegradable, Î€-conjugated polyamic acid. <i>Environmental Science: Nano</i> , 2015, 2, 518-527.	4.3	26
70	Structural investigation of SnO ₂ catalytic nanoparticles doped with F and Sb. <i>Surface and Interface Analysis</i> , 2014, 46, 1090-1093.	1.8	4
71	Quantitative imaging of diatoms by PeakForce atomic force microscopy. <i>Surface and Interface Analysis</i> , 2014, 46, 851-855.	1.8	2
72	Real space crystallography of a complex metallic alloy: high-angle annular dark-field scanning transmission electron microscopy of o-Al ₄ (Cr,Fe). <i>Journal of Applied Crystallography</i> , 2014, 47, 1026-1031.	4.5	5

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73	Sequence of deformation and cracking behaviours of Galliumâ€“Arsenide during nano-scratching. Materials Chemistry and Physics, 2013, 138, 38-48.	4.0	30
74	Spectroscopic assessment of the role of hydrogen in surface defects, in the electronic structure and transport properties of TiO ₂ , ZnO and SnO ₂ nanoparticles. Physical Chemistry Chemical Physics, 2013, 15, 1417-1430.	2.8	40
75	Exploiting interactions between structure size and indentation size effects to determine the characteristic dimension of nano-structured materials by indentation. Journal Physics D: Applied Physics, 2013, 46, 265301.	2.8	10
76	Phase constitution and interface structure of nano-sized Ag-Cu/AlN multilayers: Experiment and <i>ab initio</i> modeling. Applied Physics Letters, 2012, 101, .	3.3	16
77	Differences in Electrophysical and Gas Sensing Properties of Flame Spray Synthesized Fe ₂ O ₃ (<i>Î³</i> -Fe ₂ O ₃ and <i>T</i>) ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 582 T 6401-6411.	0.9	6
78	Effect of Nb doping on structural, optical and photocatalytic properties of flame-made TiO ₂ nanopowder. Environmental Science and Pollution Research, 2012, 19, 3696-3708.	5.3	36
79	Nanocomposite Alâ€“Geâ€“N thin films and their mechanical and optical properties. Journal of Materials Chemistry, 2012, 22, 16761.	6.7	15
80	Passing the limit of electrodeposition: â€“Gas templateâ€“ TM H ₂ nanobubbles for growing highly crystalline nanoporous ZnO. Nano Energy, 2012, 1, 742-750.	16.0	14
81	CO ₂ hydrogenation on a metal hydride surface. Physical Chemistry Chemical Physics, 2012, 14, 5518.	2.8	37
82	Characterization of Silver Nanoparticle Products Using Asymmetric Flow Field Flow Fractionation with a Multidetector Approach â€“ a Comparison to Transmission Electron Microscopy and Batch Dynamic Light Scattering. Analytical Chemistry, 2012, 84, 2678-2685.	6.5	142
83	Temperature dependence of large exchange-bias in TbFe-Co/Pt. Applied Physics Letters, 2012, 101, .	3.3	30
84	Nanocrystalline-to-amorphous transition in nanolaminates grown by low temperature atomic layer deposition and related mechanical properties. Applied Physics Letters, 2012, 100, .	3.3	52
85	Correlation of electrolyte-derived inclusions to crystallization in the early stage of anodic oxide film growth on titanium. Thin Solid Films, 2012, 520, 1804-1808.	1.8	12
86	Mechanical and tribological properties of polymer-derived Si/C/N sub-millimetre thick miniaturized components fabricated by direct casting. Journal of the European Ceramic Society, 2012, 32, 1759-1767.	5.7	15
87	Influence of intergranular phases on edge integrity of Si ₃ N ₄ /SiC wood cutting tools. Journal of the European Ceramic Society, 2011, 31, 2711-2719.	5.7	7
88	In vitro studies of the adhesion of diamond-like carbon thin films on CoCrMo biomedical implant alloy. Acta Materialia, 2011, 59, 4678-4689.	7.9	44
89	Transmission electron microscopy characterization of TiN/SiN _x multilayered coatings plastically deformed by nanoindentation. Thin Solid Films, 2010, 518, 4890-4897.	1.8	20
90	Exchange Bias and Domain Evolution at 10 ^Å m Scales. Physical Review Letters, 2010, 105, 197201.	7.8	36

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91	In-situ SEM indentation studies of the deformation mechanisms in TiN, CrN and TiN/CrN. <i>Micron</i> , 2009, 40, 22-27.	2.2	50
92	In situ scanning electron microscopy indentation studies on multilayer nitride films: Methodology and deformation mechanisms. <i>Journal of Materials Research</i> , 2009, 24, 1208-1221.	2.6	18
93	Microstructural comparison of material damage in GaAs caused by Berkovich and wedge nanoindentation and nanoscratching. <i>Scripta Materialia</i> , 2008, 59, 364-367.	5.2	30
94	Relaxation mechanisms in martensitic NiTi(Cu): Internal friction measurements correlated to <i>in situ</i> TEM straining. <i>Materials Science and Technology</i> , 2008, 24, 913-919.	1.6	0
95	FePt films on self-assembled SiO ₂ particle arrays. <i>Journal of Applied Physics</i> , 2008, 103, 053903.	2.5	13
96	Plastic deformation modes of gallium arsenide in nanoindentation and nanoscratching. <i>Applied Physics Letters</i> , 2007, 90, 031902.	3.3	41
97	Microstructure and mechanical properties of Al-Si-N transparent hard coatings deposited by magnetron sputtering. <i>Surface and Coatings Technology</i> , 2007, 202, 884-889.	4.8	62
98	Effect of tantalum addition on microstructure and optical properties of TiN thin films. <i>Thin Solid Films</i> , 2007, 515, 6758-6764.	1.8	23
99	The influence of the grain boundary phase on the mechanical properties of Si ₃ N ₄ -MoSi ₂ composites. <i>Acta Materialia</i> , 2007, 55, 2875-2884.	7.9	21
100	Morphological, structural and mechanical properties of NbN thin films deposited by reactive magnetron sputtering. <i>Surface and Coatings Technology</i> , 2006, 200, 6544-6548.	4.8	49
101	Influence of Ge addition on the morphology and properties of TiN thin films deposited by magnetron sputtering. <i>Thin Solid Films</i> , 2006, 496, 336-341.	1.8	15
102	Structural and chemical properties of sputter-deposited Ti-Ge-N thin films. <i>Surface and Coatings Technology</i> , 2005, 200, 1483-1488.	4.8	0
103	Microstructure and nanohardness properties of Zr-Al-N and Zr-Cr-N thin films. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2005, 23, 593-598.	2.1	47
104	Fracture mechanisms of GaAs under nanoscratching. <i>Materials Research Society Symposia Proceedings</i> , 2004, 841, R9.15.1.	0.1	3
105	Conventional and high resolution TEM investigation of the microstructure of compositionally graded TiAlSiN thin films. <i>Surface and Coatings Technology</i> , 2004, 177-178, 376-381.	4.8	37
106	Effect of Si incorporation on the properties of niobium nitride films deposited by DC reactive magnetron sputtering. <i>Surface and Coatings Technology</i> , 2004, 188-189, 435-439.	4.8	33
107	Characterization of thermally treated TiAlSiN coatings by TEM and nanoindentation. <i>Surface and Coatings Technology</i> , 2004, 188-189, 344-350.	4.8	42
108	Phonons in austenite and martensite NiTi crystals. <i>European Physical Journal Special Topics</i> , 2003, 112, 635-638.	0.2	5

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109	<title>Shape memory alloy wires turn composites into smart structures: II. Manufacturing and properties</title>. , 2002, , .		5
110	Lattice dynamics of NiTi austenite, martensite, and Rphase. Physical Review B, 2002, 66, .	3.2	83
111	Adaptive composites with embedded NiTiCu wires. , 2001, 4333, 377.		6
112	Vibrational response of adaptive composites. European Physical Journal Special Topics, 2001, 11, Pr8-129-Pr8-134.	0.2	3
113	Structural anelasticity of NiTi during two-stage martensitic transformation. Journal of Alloys and Compounds, 2000, 310, 312-317.	5.5	20