

# Nikolaos Boukos

## List of Publications by Year in descending order

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207  
papers

6,504  
citations

71102

41  
h-index

88630

70  
g-index

211  
all docs

211  
docs citations

211  
times ranked

9516  
citing authors

#	ARTICLE	IF	CITATIONS
1	Zinc oxide nanorod based photonic devices: recent progress in growth, light emitting diodes and lasers. <i>Nanotechnology</i> , 2009, 20, 332001.	2.6	572
2	Tailoring the energy band gap and edges' potentials of g-C <sub>3</sub> N <sub>4</sub> /TiO <sub>2</sub> composite photocatalysts for NO <sub>x</sub> removal. <i>Chemical Engineering Journal</i> , 2017, 310, 571-580.	12.7	325
3	TiO <sub>2</sub> /graphene composite photocatalysts for NO <sub>x</sub> removal: A comparison of surfactant-stabilized graphene and reduced graphene oxide. <i>Applied Catalysis B: Environmental</i> , 2016, 180, 637-647.	20.2	199
4	Chemical vs thermal exfoliation of g-C <sub>3</sub> N <sub>4</sub> for NO <sub>x</sub> removal under visible light irradiation. <i>Applied Catalysis B: Environmental</i> , 2018, 239, 16-26.	20.2	185
5	Removal of Reactive Red 195 from aqueous solutions by adsorption on the surface of TiO <sub>2</sub> nanoparticles. <i>Journal of Hazardous Materials</i> , 2009, 170, 836-844.	12.4	156
6	HfO <sub>2</sub> high- $\epsilon$ gate dielectrics on Ge (100) by atomic oxygen beam deposition. <i>Applied Physics Letters</i> , 2005, 86, 032908.	3.3	144
7	Structural, thermal, electrical and magnetic properties of Eurofer 97 steel. <i>Journal of Nuclear Materials</i> , 2008, 373, 1-8.	2.7	122
8	Catalytic synthesis of carbon nanotubes on clay minerals. <i>Carbon</i> , 2002, 40, 2641-2646.	10.3	121
9	Materials design data for reduced activation martensitic steel type EUROFER. <i>Journal of Nuclear Materials</i> , 2004, 329-333, 257-262.	2.7	118
10	Chemical synthesis and characterization of hcp Ni nanoparticles. <i>Nanotechnology</i> , 2006, 17, 3750-3755.	2.6	117
11	PL study of oxygen defect formation in ZnO nanorods. <i>Microelectronics Journal</i> , 2009, 40, 296-298.	2.0	110
12	Synthesis and Characterization of 3D CoPt Nanostructures. <i>Journal of the American Chemical Society</i> , 2005, 127, 13756-13757.	13.7	107
13	Development of a Ce-Zr-La modified Pt/ $\gamma$ -Al <sub>2</sub> O <sub>3</sub> TWCs' washcoat: Effect of synthesis procedure on catalytic behaviour and thermal durability. <i>Applied Catalysis B: Environmental</i> , 2009, 90, 162-174.	20.2	105
14	Inorganic-organic core-shell titania nanoparticles for efficient visible light activated photocatalysis. <i>Applied Catalysis B: Environmental</i> , 2013, 130-131, 14-24.	20.2	87
15	Efficient photocatalytic water-splitting performance by ternary CdS/Pt-N-TiO <sub>2</sub> and CdS/Pt-N,F-TiO <sub>2</sub> : Interplay between CdS photo corrosion and TiO <sub>2</sub> -doping. <i>Applied Catalysis B: Environmental</i> , 2019, 254, 194-205.	20.2	86
16	Magnetic Modification of the External Surfaces in the MCM-41 Porous Silica: Synthesis, Characterization, and Functionalization. <i>Journal of Physical Chemistry B</i> , 2001, 105, 7432-7437.	2.6	83
17	Functionalized Carbon Nanotubes: Synthesis of Meltable and Amphiphilic Derivatives. <i>Small</i> , 2006, 2, 1188-1191.	10.0	72
18	Reduced graphene oxide/iron carbide nanocomposites for magnetic and supercapacitor applications. <i>Journal of Alloys and Compounds</i> , 2014, 590, 102-109.	5.5	72

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19	Ultraviolet femtosecond, picosecond and nanosecond laser microstructuring of silicon: structural and optical properties. <i>Applied Optics</i> , 2008, 47, 1846.	2.1	70
20	Tuning the photocatalytic selectivity of TiO <sub>2</sub> anatase nanoplates by altering the exposed crystal facets content. <i>Applied Catalysis B: Environmental</i> , 2013, 142-143, 761-768.	20.2	66
21	A high-performance adsorbent for hydrogen sulfide removal. <i>Microporous and Mesoporous Materials</i> , 2014, 190, 152-155.	4.4	63
22	Direct heteroepitaxy of crystalline Y <sub>2</sub> O <sub>3</sub> on Si (001) for high-k gate dielectric applications. <i>Journal of Applied Physics</i> , 2001, 90, 4224-4230.	2.5	62
23	Decoration of TiO <sub>2</sub> anatase nanoplates with silver nanoparticles on the {101} crystal facets and their photocatalytic behaviour. <i>Applied Catalysis B: Environmental</i> , 2014, 158-159, 91-95.	20.2	61
24	Thermochromic performance of Mg-doped VO <sub>2</sub> thin films on functional substrates for glazing applications. <i>Solar Energy Materials and Solar Cells</i> , 2016, 157, 1004-1010.	6.2	60
25	Nanodesigned magnetic polymer containers for dual stimuli actuated drug controlled release and magnetic hyperthermia mediation. <i>Journal of Materials Chemistry</i> , 2012, 22, 13451.	6.7	55
26	N and N,S-doped TiO <sub>2</sub> photocatalysts and their activity in NO <sub>x</sub> oxidation. <i>Catalysis Today</i> , 2013, 209, 41-46.	4.4	54
27	Solvothermal synthesis and photocatalytic performance of Mn 4+ -doped anatase nanoplates with exposed {0 0 1} facets. <i>Applied Catalysis B: Environmental</i> , 2015, 162, 27-33.	20.2	54
28	Oxygen vacancy ordering in epitaxial layers of yttrium oxide on Si (001). <i>Applied Physics Letters</i> , 2003, 82, 4053-4055.	3.3	53
29	Controlling the Formation of Hydroxyapatite Nanorods with Dendrimers. <i>Journal of the American Ceramic Society</i> , 2011, 94, 2023-2029.	3.8	52
30	Atomic Layer Deposited Aluminum and Zirconium Oxides for Surface Passivation of TiO <sub>2</sub> in High Efficiency Organic Photovoltaics. <i>Advanced Energy Materials</i> , 2014, 4, 1400214.	19.5	52
31	Chemical Synthesis and Self-Assembly of Hollow Ni/Ni <sub>2</sub> P Hybrid Nanospheres. <i>Journal of Physical Chemistry C</i> , 2010, 114, 7582-7585.	3.1	50
32	Materials and electrical characterization of molecular beam deposited CeO <sub>2</sub> and CeO <sub>2</sub> /HfO <sub>2</sub> bilayers on germanium. <i>Journal of Applied Physics</i> , 2007, 102, .	2.5	48
33	Polypyrrole/MWNT nanocomposites synthesized through interfacial polymerization. <i>Synthetic Metals</i> , 2009, 159, 632-636.	3.9	48
34	Electrical conductivity studies of anatase TiO <sub>2</sub> with dominant highly reactive {001} facets. <i>Journal of Alloys and Compounds</i> , 2013, 548, 194-200.	5.5	48
35	Effect of hydrothermal reaction time and alkaline conditions on the electrochemical properties of reduced graphene oxide. <i>Applied Surface Science</i> , 2015, 358, 100-109.	6.1	47
36	Silicone-functionalized carbon nanotubes for the production of new carbon-based fluids. <i>Carbon</i> , 2007, 45, 1583-1585.	10.3	46

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37	Zinc and oxygen vacancies in ZnO nanorods. <i>Journal of Applied Physics</i> , 2009, 106, .	2.5	46
38	Influence of the Oxygen Substoichiometry and of the Hydrogen Incorporation on the Electronic Band Structure of Amorphous Tungsten Oxide Films. <i>Journal of Physical Chemistry C</i> , 2014, 118, 12632-12641.	3.1	46
39	Homogeneous core/shell ZnO/ZnMgO quantum well heterostructures on vertical ZnO nanowires. <i>Nanotechnology</i> , 2009, 20, 305701.	2.6	44
40	TiO <sub>2</sub> functionalization for efficient NO <sub>x</sub> removal in photoactive cement. <i>Applied Surface Science</i> , 2014, 319, 29-36.	6.1	44
41	Titania photonic crystal photocatalysts functionalized by graphene oxide nanocolloids. <i>Applied Catalysis B: Environmental</i> , 2019, 240, 277-290.	20.2	43
42	Non-activated high surface area expanded graphite oxide for supercapacitors. <i>Applied Surface Science</i> , 2015, 358, 110-121.	6.1	42
43	Study of TiO <sub>2</sub> anatase nano and microstructures with dominant {001} facets for NO oxidation. <i>Environmental Science and Pollution Research</i> , 2012, 19, 3719-3726.	5.3	41
44	Effect of the Oxygen Sub-Stoichiometry and of Hydrogen Insertion on the Formation of Intermediate Bands within the Gap of Disordered Molybdenum Oxide Films. <i>Journal of Physical Chemistry C</i> , 2013, 117, 18013-18020.	3.1	40
45	Polysaccharides as a source of advanced materials: Cellulose hollow microspheres for drug delivery in cancer therapy. <i>Journal of Colloid and Interface Science</i> , 2012, 384, 198-206.	9.4	39
46	Spatial fluctuations of optical emission from single ZnO/MgZnO nanowire quantum wells. <i>Nanotechnology</i> , 2008, 19, 115202.	2.6	37
47	Microspheres as therapeutic delivery agents: synthesis and biological evaluation of pH responsiveness. <i>Journal of Materials Chemistry B</i> , 2013, 1, 194-203.	5.8	37
48	Exchange Resins in shape Fabrication of Hollow Inorganic and Carbonaceous-Inorganic Composite Spheres. <i>Advanced Materials</i> , 2002, 14, 21-24.	21.0	36
49	<i>In Situ</i> Deposition and Characterization of MoS <sub>2</sub> Nanolayers on Carbon Nanofibers and Nanotubes. <i>Journal of Physical Chemistry C</i> , 2013, 117, 10135-10142.	3.1	35
50	CW and Pulsed EPR Study of Silver Nanoparticles in a SiO <sub>2</sub> Matrix. <i>Journal of Sol-Gel Science and Technology</i> , 1998, 13, 503-508.	2.4	34
51	Synthesis and self-organization of Au nanoparticles. <i>Nanotechnology</i> , 2007, 18, 485604.	2.6	34
52	Preparation and characterization of polyindole- <i>z</i> -ZnO composite polymer electrolyte with LiClO <sub>4</sub> . <i>Ionics</i> , 2010, 16, 839-848.	2.4	34
53	A Solid-State Hybrid Solar Cell Made of nc-TiO <sub>2</sub> , CdS Quantum Dots, and P3HT with 2-Amino-1-methylbenzimidazole as an Interface Modifier. <i>Journal of Physical Chemistry C</i> , 2011, 115, 10911-10916.	3.1	34
54	Preparation and Characterization of Polyindole- <i>z</i> -Iron Oxide Composite Polymer Electrolyte Containing LiClO <sub>4</sub> . <i>Polymer-Plastics Technology and Engineering</i> , 2012, 51, 225-230.	1.9	34

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55	Enhanced NO <sub>2</sub> abatement by alkaline-earth modified g-C <sub>3</sub> N <sub>4</sub> nanocomposites for efficient air purification. <i>Applied Surface Science</i> , 2018, 430, 225-233.	6.1	33
56	Sacrificial Template-Directed Fabrication of Superparamagnetic Polymer Microcontainers for pH-Activated Controlled Release of Daunorubicin. <i>Langmuir</i> , 2011, 27, 8478-8485.	3.5	32
57	Synthesis and Characterization of Polyindole- <i>g</i> -NiO-Based Composite Polymer Electrolyte with LiClO <sub>4</sub> . <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2011, 60, 877-892.	3.4	32
58	Polyindole- <i>g</i> -CuO composite polymer electrolyte containing LiClO <sub>4</sub> for lithium ion polymer batteries. <i>Polymer Bulletin</i> , 2012, 68, 181-196.	3.3	32
59	Graphene-based materials via benzidine-assisted exfoliation and reduction of graphite oxide and their electrochemical properties. <i>Applied Surface Science</i> , 2017, 392, 244-255.	6.1	32
60	Forming-free resistive switching memories based on titanium-oxide nanoparticles fabricated at room temperature. <i>Applied Physics Letters</i> , 2013, 102, 022909.	3.3	31
61	Size distribution and EPR of silver nanoparticles in SiO <sub>2</sub> matrix. <i>Journal of Non-Crystalline Solids</i> , 1998, 224, 17-22.	3.1	30
62	Synthesis and characterisation of carbon nanotube modified anodised alumina membranes. <i>Microporous and Mesoporous Materials</i> , 2008, 110, 25-36.	4.4	30
63	Preparation of CuO/SBA-15 catalyst by the modified ammonia driven deposition precipitation method with a high thermal stability and an efficient automotive CO and hydrocarbons conversion. <i>Applied Catalysis B: Environmental</i> , 2018, 223, 103-115.	20.2	30
64	Simple method for the fabrication of a high dielectric constant metal-oxide-semiconductor capacitor embedded with Pt nanoparticles. <i>Applied Physics Letters</i> , 2006, 88, 073106.	3.3	29
65	Hollow microspheres based on <i>g</i> -Folic acid modified <i>g</i> -Hydroxypropyl Cellulose and synthetic multi-responsive bio-copolymer for targeted cancer therapy: Controlled release of daunorubicin, in vitro and in vivo studies. <i>Journal of Colloid and Interface Science</i> , 2014, 435, 171-181.	9.4	29
66	Growth of ZnO nanorods by a simple chemical method. <i>Applied Physics A: Materials Science and Processing</i> , 2007, 88, 35-39.	2.3	28
67	Photocatalytic synthesis of Se nanoparticles using polyoxometalates. <i>Catalysis Today</i> , 2009, 144, 2-6.	4.4	28
68	Development of Multiple Stimuli Responsive Magnetic Polymer Nanocontainers as Efficient Drug Delivery Systems. <i>Macromolecular Bioscience</i> , 2014, 14, 131-141.	4.1	28
69	Eco-efficient TiO <sub>2</sub> modification for air pollutants oxidation. <i>Applied Catalysis B: Environmental</i> , 2015, 176-177, 578-585.	20.2	28
70	Tuning the lateral density of ZnO nanowire arrays and its application as physical templates for radial nanowire heterostructures. <i>Journal of Materials Chemistry</i> , 2010, 20, 3848.	6.7	27
71	Thermal Aging Behavior of Pt-only TWC Converters Under Simulated Exhaust Conditions: Effect of Rare Earths (CeO <sub>2</sub> , La <sub>2</sub> O <sub>3</sub> ) and Alkali (Na) Modifiers. <i>Topics in Catalysis</i> , 2011, 54, 1124-1134.	2.8	27
72	Fabrication of ZnO nanorod-based <i>g</i> - <i>g</i> heterojunction on SiC substrate. <i>Superlattices and Microstructures</i> , 2007, 42, 415-420.	3.1	26

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73	Study of hybrid solar cells made of multilayer nanocrystalline titania and poly(3-octylthiophene) or poly-(3-(2-methylhex-2-yl)-oxy-carbonyldithiophene). <i>Nanotechnology</i> , 2009, 20, 495201.	2.6	26
74	A Closer Look Inside Nanotubes: Pore Structure Evaluation of Anodized Alumina Templated Carbon Nanotube Membranes Through Adsorption and Permeability Studies. <i>Advanced Functional Materials</i> , 2010, 20, 2500-2510.	14.9	26
75	Nanostructuring the Surface of Dual Responsive Hollow Polymer Microspheres for Versatile Utilization in Nanomedicine-Related Applications. <i>Langmuir</i> , 2013, 29, 9562-9572.	3.5	26
76	Gold nanoparticle decorated pH-sensitive polymeric nanocontainers as a potential theranostic agent. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 183, 110420.	5.0	26
77	Nanographene oxideâ€“TiO <sub>2</sub> photonic films as plasmon-free substrates for surface-enhanced Raman scattering. <i>Nanoscale</i> , 2019, 11, 21542-21553.	5.6	26
78	Some Physicochemical Aspects of Nanoparticulate Magnetic Iron Oxide Colloids in Neat Water and in the Presence of Poly(vinyl alcohol). <i>Langmuir</i> , 2008, 24, 11489-11496.	3.5	25
79	Effect of the conditions of platinum deposition on titania nanocrystalline films on the efficiency of photocatalytic oxidation of ethanol and production of hydrogen. <i>Photochemical and Photobiological Sciences</i> , 2009, 8, 639-643.	2.9	25
80	pH- and thermo-responsive microcontainers as potential drug delivery systems: Morphological characteristic, release and cytotoxicity studies. <i>Materials Science and Engineering C</i> , 2014, 37, 271-277.	7.3	25
81	Self-propagating solar light reduction of graphite oxide in water. <i>Applied Surface Science</i> , 2017, 391, 601-608.	6.1	25
82	Photocatalytic properties of copperâ€“Modified core-shell titania nanocomposites. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 370, 145-155.	3.9	25
83	Microstructural modification in Co/Cu giant-magnetoresistance multilayers. <i>Journal of Applied Physics</i> , 1998, 83, 3724-3730.	2.5	24
84	Self-Organization of Four Symmetric Tri-phenyl-benzene Derivatives. <i>Crystal Growth and Design</i> , 2006, 6, 2486-2492.	3.0	24
85	Direct Chemical Synthesis of L10FePt Nanostructures. <i>Chemistry of Materials</i> , 2007, 19, 1898-1900.	6.7	24
86	No Aging Phenomena in Ferrofluids: The Influence of Coating on Interparticle Interactions of Maghemite Nanoparticles. <i>ACS Nano</i> , 2008, 2, 977-983.	14.6	24
87	A novel hybrid solâ€“gel method for the synthesis of highly porous silica employing hyperbranched poly(ethyleneimine) as a reactive template. <i>Microporous and Mesoporous Materials</i> , 2013, 175, 59-66.	4.4	24
88	Magnetic fluid hyperthermia simulations in evaluation of SAR calculation methods. <i>Physica Medica</i> , 2020, 71, 39-52.	0.7	24
89	Selective growth of ZnO nanorods in aqueous solution. <i>Superlattices and Microstructures</i> , 2007, 42, 425-430.	3.1	23
90	Optically Active Spherical Polyelectrolyte Brushes with a Nanocrystalline Magnetic Core. <i>Advanced Functional Materials</i> , 2008, 18, 1694-1706.	14.9	23

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91	One-step, in situ growth of unmodified graphene “magnetic nanostructured composites. Carbon, 2014, 66, 467-475.	10.3	23
92	Dynamic in vivo imaging of dual-triggered microspheres for sustained release applications: Synthesis, characterization and cytotoxicity study. International Journal of Pharmaceutics, 2014, 461, 54-63.	5.2	23
93	Sustained release profile of quatro stimuli nanocontainers as a multi sensitive vehicle exploiting cancer characteristics. Colloids and Surfaces B: Biointerfaces, 2016, 148, 95-103.	5.0	22
94	An integrated bacterial system for the discovery of chemical rescuers of disease-associated protein misfolding. Nature Biomedical Engineering, 2017, 1, 838-852.	22.5	22
95	Modified magnetic core-shell mesoporous silica nano-formulations with encapsulated quercetin exhibit anti-amyloid and antioxidant activity. Journal of Inorganic Biochemistry, 2020, 213, 111271.	3.5	22
96	Synthesis, and structural and morphological characterization of iron oxide-ion-exchange resin and -cellulose nanocomposites. Applied Organometallic Chemistry, 2001, 15, 414-420.	3.5	20
97	Influence of the composition of Fe <sub>2</sub> O <sub>3</sub> /Al <sub>2</sub> O <sub>3</sub> catalysts on the rate of production and quality of carbon nanotubes. Materials Chemistry and Physics, 2011, 128, 96-108.	4.0	20
98	Multi-responsive polymeric microcontainers for potential biomedical applications: synthesis and functionality evaluation. Polymer International, 2012, 61, 888-894.	3.1	20
99	Laser printing and characterization of semiconducting polymers for organic electronics. Applied Physics A: Materials Science and Processing, 2013, 110, 559-563.	2.3	20
100	The effect of Mn doping in FePt nanoparticles on the magnetic properties of the L10 phase. Nanotechnology, 2006, 17, 4270-4273.	2.6	19
101	Large-Scale Synthesis, Size Control, and Anisotropic Growth of $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> Nanoparticles: Organosols and Hydrosols. Journal of Nanoscience and Nanotechnology, 2007, 7, 2753-2757.	0.9	19
102	A General Chemical Route for the Synthesis of Capped Nanocrystalline Materials. Journal of Nanoscience and Nanotechnology, 2008, 8, 3117-3122.	0.9	19
103	Solvothermal synthesis and photocatalytic performance of Mg <sup>2+</sup> -doped anatase nanocrystals with exposed {001} facets. Catalysis Today, 2014, 230, 125-130.	4.4	19
104	Biomimetic synthesis of ribbon-like hydroxyapatite employing poly(L-arginine). Materials Science and Engineering C, 2016, 58, 1225-1231.	7.3	19
105	Photocatalytic H <sub>2</sub> Evolution, CO <sub>2</sub> Reduction, and NO <sub>x</sub> Oxidation by Highly Exfoliated g-C <sub>3</sub> N <sub>4</sub> Catalysts, 2020, 10, 1147.	3.5	19
106	Spin-Crossover Phenomenon in Microcrystals and Nanoparticles of a [Fe(2-mpz) <sub>2</sub> Ni(CN) <sub>4</sub> ] Two-Dimensional Hofmann-Type Polymer: A Detailed Nano-Topographic Study. Inorganic Chemistry, 2019, 58, 13733-13736.	4.0	18
107	One-Step Synthesis of TiO <sub>2</sub> /Perlite Composites by Flame Spray Pyrolysis and Their Photocatalytic Behavior. International Journal of Photoenergy, 2013, 2013, 1-8.	2.5	17
108	Aqueous polymerization of protonated 4-vinylpyridine in montmorillonite. Applied Clay Science, 2001, 19, 77-88.	5.2	15

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109	Growth of rare earth silicides on silicon. <i>Journal of Physics and Chemistry of Solids</i> , 2003, 64, 87-93.	4.0	15
110	Efficient CO oxidation in an ionic liquid-modified, Au nanoparticle-loaded membrane contactor. <i>Chemical Engineering Journal</i> , 2016, 305, 79-91.	12.7	15
111	Novel Isatin Thiosemicarbazone Derivatives as Potent Inhibitors of $\beta$ -Amyloid Peptide Aggregation and Toxicity. <i>ACS Chemical Neuroscience</i> , 2020, 11, 2266-2276.	3.5	15
112	<i>In vitro</i> studies on ultrasmall superparamagnetic iron oxide nanoparticles coated with gummy acid for T2 MRI contrast agent. <i>Biomicrofluidics</i> , 2007, 1, 44104.	2.4	14
113	Comparative study of LbL and crosslinked pH sensitive PEGylated LbL microspheres: Synthesis, characterization and biological evaluation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 104, 91-98.	5.0	14
114	Hyperbranched polyethyleneimine towards the development of homogeneous and highly porous CuO@CeO <sub>2</sub> @SiO <sub>2</sub> catalytic materials. <i>Chemical Engineering Journal</i> , 2016, 300, 343-357.	12.7	14
115	Synergistic structural and surface promotion of monometallic (Pt) TWCs: Effectiveness and thermal aging tolerance. <i>Applied Catalysis B: Environmental</i> , 2011, 106, 228-228.	20.2	13
116	Sensitizer activated solar cells based on self-organized TiO <sub>2</sub> nanotubes. <i>Microelectronic Engineering</i> , 2012, 90, 62-65.	2.4	13
117	Synthesis, structure and photoluminescence properties of copper(II) and cobalt(III) complexes with pyridoxalaminoguanidine. <i>Optical Materials</i> , 2013, 35, 2728-2735.	3.6	13
118	A new approach for the one-step synthesis of bioactive PS vs. PMMA silica hybrid microspheres as potential drug delivery systems. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 117, 322-329.	5.0	13
119	Graphene by one-step chemical vapor deposition from ferrocene vapors: Properties and electrochemical evaluation. <i>Journal of Applied Physics</i> , 2016, 119, .	2.5	13
120	On the selective oxidation of H <sub>2</sub> S by heavy loaded Nanoparticles Embedded in Mesoporous Matrix (NEMMs). <i>Applied Catalysis B: Environmental</i> , 2020, 278, 119338.	20.2	13
121	Boosting visible light harvesting and charge separation in surface modified TiO <sub>2</sub> photonic crystal catalysts with CoO <sub>x</sub> nanoclusters. <i>Materials Advances</i> , 2020, 1, 2310-2322.	5.4	13
122	Patterned carbon dot-based thin films for solid-state devices. <i>Nanoscale</i> , 2020, 12, 10254-10264.	5.6	13
123	Bimetallic gold-platinum nanoparticles as a drug delivery system coated with a new drug to target glioblastoma. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 214, 112463.	5.0	13
124	Epitaxial dysprosium silicide films on silicon: growth, structure and electrical properties. <i>Thin Solid Films</i> , 2001, 397, 138-142.	1.8	12
125	Novel PEGylated pH-sensitive polymeric hollow microspheres. <i>Materials Letters</i> , 2012, 67, 180-183.	2.6	12
126	Water Coordination, Proton Mobility, and Lewis Acidity in HY Nanozeolites: A High-Temperature <sup>1</sup> H and <sup>27</sup> Al NMR Study. <i>Journal of Physical Chemistry C</i> , 2015, 119, 3428-3438.	3.1	12



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127	Experimental investigation of metallic thin film modification of nickel substrates for chemical vapor deposition growth of single layer graphene at low temperature. <i>Applied Surface Science</i> , 2016, 385, 554-561.	6.1	12
128	Magnetite and Co ferrite- based clay composites. <i>Clay Minerals</i> , 2002, 37, 135-141.	0.6	11
129	ZnO nanoparticles produced by novel reactive physical deposition process. <i>Applied Surface Science</i> , 2011, 257, 5366-5369.	6.1	11
130	One Pot Synthesis and Characterization of Ultra Fine CeO <sub>2</sub> and Cu/CeO <sub>2</sub> Nanoparticles. Application for Low Temperature CO Oxidation. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 8593-8598.	0.9	11
131	Efficient removal of hexavalent chromium from aqueous solutions using autohydrolyzed Scots Pine ( <i>Pinus Sylvestris</i> ) sawdust as adsorbent. <i>International Journal of Environmental Science and Technology</i> , 2013, 10, 1337-1348.	3.5	11
132	Decoration of crumpled rGO sheets with Ag nanoparticles by spray pyrolysis. <i>Applied Surface Science</i> , 2015, 358, 84-90.	6.1	11
133	Metal loaded nanoporous silicas with tailor-made properties through hyperbranched polymer assisted templating approaches. <i>Microporous and Mesoporous Materials</i> , 2016, 235, 107-119.	4.4	11
134	Novel "Pickering" modified TiO <sub>2</sub> photocatalysts with high De-NO <sub>x</sub> efficiency. <i>Catalysis Today</i> , 2017, 287, 45-51.	4.4	11
135	Coexistence of bipolar and threshold resistive switching in TiO <sub>2</sub> based structure with embedded hafnium nanoparticles. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 045103.	2.8	11
136	Graphene Quantum Dot-TiO <sub>2</sub> Photonic Crystal Films for Photocatalytic Applications. <i>Nanomaterials</i> , 2020, 10, 2566.	4.1	11
137	Ordering kinetics of chemically synthesized FePt nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 316, e169-e172.	2.3	10
138	Two completely different biomimetic reactions mediated by the same matrix producing inorganic/organic/inorganic hybrid nanoparticles. <i>Nano Structures Nano Objects</i> , 2018, 14, 138-148.	3.5	10
139	Advanced Photocatalysts Based on Reduced Nanographene Oxide-TiO <sub>2</sub> Photonic Crystal Films. <i>Materials</i> , 2019, 12, 2518.	2.9	10
140	Effects of Precursor Concentration in Solvent and Nanomaterials Room Temperature Aging on the Growth Morphology and Surface Characteristics of Ni-NiO Nanocatalysts Produced by Dendrites Combustion during SCS. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4925.	2.5	10
141	Low temperature growth of single-crystal ZnO nanorods. <i>Nanotechnology</i> , 2007, 18, 275601.	2.6	9
142	Growth and optical study of ZnO nanorods. <i>Superlattices and Microstructures</i> , 2007, 42, 431-437.	3.1	9
143	Decoration of Carbon Nanotubes with CoO and Co Nanoparticles. <i>Journal of Nanomaterials</i> , 2011, 2011, 1-9.	2.7	9
144	Unexpected orbital magnetism in Bi-rich Bi <sub>2</sub> Se <sub>3</sub> nanoplatelets. <i>NPG Asia Materials</i> , 2016, 8, e271-e271.	7.9	9

#	ARTICLE	IF	CITATIONS
145	A hyperbranched polymer synthetic strategy for the efficient fixation of metal species within nanoporous structures: Application in automotive catalysis. <i>Chemical Engineering Journal</i> , 2021, 421, 129496.	12.7	9
146	Microstructure of AlLiCuMgZr alloys with In additions. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1998, 256, 280-288.	5.6	8
147	EELS study of oxygen superstructure in epitaxial Y2O3 layers. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2004, 109, 52-55.	3.5	8
148	Biopolymer Networks for the Solid-State Production of Porous Magnetic Beads and Wires. <i>Advanced Functional Materials</i> , 2007, 17, 1409-1416.	14.9	8
149	Synthesis and Magnetic Properties of Fe3O4 Nanoparticles Coated with Biocompatible Double Hydrophilic Block Copolymer. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 4753-4759.	0.9	8
150	Zinc vacancies and interstitials in ZnO nanorods. <i>Thin Solid Films</i> , 2012, 520, 4654-4657.	1.8	8
151	Synthesis, structure and photoluminescence of (PLAGH) <sub>2</sub> [ZnCl <sub>4</sub> ] and comparative analysis of photoluminescence properties with tris(2,2'-bipyridine)ruthenium(II). <i>Materials Research Bulletin</i> , 2015, 70, 951-957.	5.2	8
152	Improved Stability of Polymer Solar Cells in Ambient Air via Atomic Layer Deposition of Ultrathin Dielectric Layers. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700231.	3.7	8
153	Noncovalent Grafting of a Dy <sup>III</sup> Single-Molecule Magnet onto Chemically Modified Multiwalled Carbon Nanotubes. <i>Inorganic Chemistry</i> , 2018, 57, 6391-6400.	4.0	8
154	Polaron freezing and the quantum liquid-crystal phase in the ferromagnetic metallic La <sub>0.67</sub> Ca <sub>0.33</sub> MnO <sub>3</sub> . <i>Npj Quantum Materials</i> , 2018, 3, .	5.2	8
155	Zinc oxide nanoparticles on silicon. <i>Superlattices and Microstructures</i> , 2006, 39, 115-123.	3.1	7
156	Engineering of FePt nanoparticles by e-beam co-evaporation. <i>Nanotechnology</i> , 2008, 19, 135702.	2.6	7
157	Size control of Ag nanoparticles for SERS sensing applications. <i>Procedia Engineering</i> , 2011, 25, 280-283.	1.2	7
158	Heterostructured CoOx/TiO <sub>2</sub> Mesoporous/Photonic Crystal Bilayer Films for Enhanced Visible-Light Harvesting and Photocatalysis. <i>Materials</i> , 2020, 13, 4305.	2.9	7
159	Growth, structure and electrical properties of epitaxial thulium silicide thin films on silicon. <i>Journal of Applied Physics</i> , 1997, 81, 1217-1221.	2.5	6
160	Chemical and X-Ray Diffraction Peak Broadening Analysis, Electron Microscopy and IR Studies of Biological Apatites. <i>Materials Science Forum</i> , 2001, 378-381, 759-764.	0.3	6
161	Surface morphology of low temperature grown GaAs on singular and vicinal substrates. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2002, 88, 205-208.	3.5	6
162	Evaluation of laser cleaning of ancient Greek, Roman and Byzantine coins. <i>Surface and Interface Analysis</i> , 2010, 42, 671-674.	1.8	6

#	ARTICLE	IF	CITATIONS
163	A Novel Method for the Growth of Cu2O/ZnO Heterojunctions. Energy Procedia, 2014, 60, 37-42.	1.8	6
164	Reducing the layer number of AB stacked multilayer graphene grown on nickel by annealing at low temperature. Nanotechnology, 2015, 26, 405603.	2.6	6
165	Synthesis of hafnium nanoparticles and hafnium nanoparticle films by gas condensation and energetic deposition. Beilstein Journal of Nanotechnology, 2018, 9, 1868-1880.	2.8	6
166	Effect of processing temperature on growing bamboo-like carbon nanotubes by chemical vapor deposition. Materials Today Chemistry, 2021, 19, 100388.	3.5	6
167	Low-Cost Electrodeposition of Size-Tunable Single-Crystal ZnO Nanorods. Fibers, 2021, 9, 38.	4.0	6
168	Strong anisotropic electron-impurity scattering in diluteAlLi alloys. Physical Review B, 1992, 46, 4508-4510.	3.2	5
169	The effect of Ag additions on the microstructure of aluminium–lithium alloys. Journal of Materials Science, 1998, 33, 4015-4020.	3.7	5
170	Increased epitaxial thickness limit in low-temperature GaAs grown on a vicinal substrate. Physica E: Low-Dimensional Systems and Nanostructures, 2002, 13, 1190-1194.	2.7	5
171	Structural and photoluminescence properties of ZnO nanoparticles on silicon oxide. Applied Physics A: Materials Science and Processing, 2007, 88, 41-44.	2.3	5
172	Synthesis and Characterization of Iron Oxide Nanoparticles Encapsulated in Lipid Membranes. Journal of Biomedical Nanotechnology, 2008, 4, 313-318.	1.1	5
173	Enhanced magnetic properties of FePt nanoparticles codeposited on Ag nanoislands. Journal of Applied Physics, 2009, 105, 093914.	2.5	5
174	Facile MoS2 Growth on Reduced Graphene-Oxide via Liquid Phase Method. Frontiers in Materials, 2018, 5, .	2.4	5
175	Monitoring the multiphasic evolution of bismuth telluride nanoplatelets. CrystEngComm, 2020, 22, 7918-7928.	2.6	5
176	Epitaxial ErSi2âˆ™x on strained and relaxed Si1âˆ™xGe. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2002, 89, 382-385.	3.5	4
177	Self-assembled zinc oxide nanodots on silicon oxide. Journal of Physics: Conference Series, 2005, 10, 121-124.	0.4	4
178	Zinc related defects in ZnO nanorods. Physica Status Solidi (B): Basic Research, 2012, 249, 560-563.	1.5	4
179	Synthesis, characterization and evaluation of multi sensitive nanocarriers by using the layer by layer method. Journal of Drug Delivery Science and Technology, 2019, 53, 101142.	3.0	4
180	Visible Light Trapping against Charge Recombination in FeOxâ€TiO2 Photonic Crystal Photocatalysts. Materials, 2021, 14, 7117.	2.9	4

#	ARTICLE	IF	CITATIONS
181	Deviations from Mathiessen's rule for dilute Al-Li alloys. <i>Physical Review B</i> , 1993, 47, 13147-13150.	3.2	3
182	Size selection by cluster deflection in an electric field. <i>Scripta Materialia</i> , 1997, 8, 771-784.	0.5	3
183	The size distribution of metal clusters produced in plasma-discharge hollow-cathode source. <i>Scripta Materialia</i> , 1999, 12, 311-314.	0.5	3
184	Transmission electron microscopy and X-ray diffraction study of Tl and $\text{I}\text{C}$ precipitates in Al-Li alloys. <i>Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties</i> , 2000, 80, 1055-1063.	0.6	3
185	Epitaxial erbium silicide on Ge+ implanted silicon. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2002, 196, 174-179.	1.4	3
186	Structural Study of Very Thin Anodic Alumina Films on Silicon by Anodization in Citric Acid Aqueous Solution. <i>Journal of Nanoscience and Nanotechnology</i> , 2005, 5, 454-495.	0.9	3
187	Nanotemplate alumina films on a silicon substrate fabricated by electrochemistry. <i>Journal of Physics: Conference Series</i> , 2005, 10, 159-162.	0.4	3
188	Experimental study on the effect of wavelength and fluence in the laser cleaning of silvering in late Roman coins (Mid 3rd/4th century AD). , 2007, , .		3
189	Growth and Characterization of ZnO Nano- and Microstructures. , 2008, , 293-323.		3
190	Gummic acid stabilized $\text{I}^3\text{-Fe}_2\text{O}_3$ aqueous suspensions for biomedical applications. <i>Hyperfine Interactions</i> , 2009, 190, 59-66.	0.5	3
191	Resistive memory multilayer structure with self-rectifying and forming free properties along with their modification by adding a hafnium nanoparticle midlayer. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2017, 35, .	2.1	3
192	Growth Evolution and Characterization of PLD Zn(Mg)O Nanowire Arrays. , 2008, , 113-125.		3
193	The Hall coefficient of Yb alloys. <i>Physica B: Condensed Matter</i> , 1991, 172, 405-408.	2.7	2
194	The influence of $\text{I}'$ precipitates on the electrical resistivity and low-field Hall coefficient of Al-Li alloys. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1994, 70, 67-75.	0.6	2
195	Extending the epitaxial thickness limit in low-substrate-temperature- grown GaAs. <i>Applied Physics Letters</i> , 2001, 79, 3422-3424.	3.3	2
196	Coalescence of Cluster Beam Generated Sub-2 nm Bare Au Nanoparticles and Analysis of Au Film Growth Parameters. <i>Annalen Der Physik</i> , 2018, 530, 1700256.	2.4	2
197	Molecular/Nanostructured Functional Metal Oxide Stacks for Nanoscale Nanosecond Information Storage. <i>Advanced Functional Materials</i> , 2019, 29, 1902642.	14.9	2
198	Hall Coefficient of Dilute CuPd, CuRh, CuZr, and CuY Alloys - Resonance Scattering. <i>Physica Status Solidi (B): Basic Research</i> , 1990, 157, 351-356.	1.5	1

#	ARTICLE	IF	CITATIONS
199	Comparative evaluation of ultrafast laser beam interaction with the silvering in late Roman coins. Proceedings of SPIE, 2009, , .	0.8	1
200	Study of the photoluminescence of N-doped, Carbon Dot-based nanocomposite materials from citric acid and urea. Functional Materials Letters, 2022, 15, .	1.2	1
201	Low-field Hall coefficient of Al-4d dilute alloys: The role of the anisotropic impurity scattering. Solid State Communications, 1998, 106, 405-408.	1.9	0
202	Low-temperature transport properties of quasi-crystalline Al <sub>86</sub> Mn <sub>14</sub> thin films. Physica B: Condensed Matter, 2001, 296, 275-279.	2.7	0
203	Growth and electrical characterisation of highly doped p-SiGe/Si heterostructures. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2002, 89, 221-224.	3.5	0
204	Resistive switching memory using titanium-oxide nanoparticle films. , 2012, , .		0
205	Photoluminescence properties and comparative analysis of the new compound of Zn(II) with piridoxalaminoguanidine and Ru(II) bipyridine complex. , 2014, , .		0
206	Deterioration of exchange bias in CoO-Co bilayers by the roughness of the ZnO substrates. EPJ Web of Conferences, 2014, 75, 05011.	0.3	0
207	Experimental study on the use of laser cleaning of silver plating layers in Roman coins. , 2008, , 309-315.		0