

# Omid Oakhavan

## List of Publications by Year in descending order

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168  
papers

20,404  
citations

12330

69  
h-index

10158

140  
g-index

168  
all docs

168  
docs citations

168  
times ranked

21520  
citing authors

#	ARTICLE	IF	CITATIONS
1	Toxicity of Graphene and Graphene Oxide Nanowalls Against Bacteria. ACS Nano, 2010, 4, 5731-5736.	14.6	2,223
2	Photocatalytic Reduction of Graphene Oxide Nanosheets on TiO <sub>2</sub> Thin Film for Photoinactivation of Bacteria in Solar Light Irradiation. Journal of Physical Chemistry C, 2009, 113, 20214-20220.	3.1	887
3	Graphene Nanomesh by ZnO Nanorod Photocatalysts. ACS Nano, 2010, 4, 4174-4180.	14.6	675
4	Size-dependent genotoxicity of graphene nanoplatelets in human stem cells. Biomaterials, 2012, 33, 8017-8025.	11.4	662
5	Graphene: Promises, Facts, Opportunities, and Challenges in Nanomedicine. Chemical Reviews, 2013, 113, 3407-3424.	47.7	643
6	Wrapping Bacteria by Graphene Nanosheets for Isolation from Environment, Reactivation by Sonication, and Inactivation by Near-Infrared Irradiation. Journal of Physical Chemistry B, 2011, 115, 6279-6288.	2.6	578
7	The effect of heat treatment on formation of graphene thin films from graphene oxide nanosheets. Carbon, 2010, 48, 509-519.	10.3	507
8	Escherichia coli bacteria reduce graphene oxide to bactericidal graphene in a self-limiting manner. Carbon, 2012, 50, 1853-1860.	10.3	497
9	Lasting antibacterial activities of Ag@TiO <sub>2</sub> /Ag/a-TiO <sub>2</sub> nanocomposite thin film photocatalysts under solar light irradiation. Journal of Colloid and Interface Science, 2009, 336, 117-124.	9.4	455
10	Toward Single-DNA Electrochemical Biosensing by Graphene Nanowalls. ACS Nano, 2012, 6, 2904-2916.	14.6	438
11	Photodegradation of Graphene Oxide Sheets by TiO <sub>2</sub> Nanoparticles after a Photocatalytic Reduction. Journal of Physical Chemistry C, 2010, 114, 12955-12959.	3.1	393
12	The use of a glucose-reduced graphene oxide suspension for photothermal cancer therapy. Journal of Materials Chemistry, 2012, 22, 13773.	6.7	393
13	Photocatalytic reduction of graphene oxides hybridized by ZnO nanoparticles in ethanol. Carbon, 2011, 49, 11-18.	10.3	355
14	Graphene Nanomesh Promises Extremely Efficient In Vivo Photothermal Therapy. Small, 2013, 9, 3593-3601.	10.0	348
15	Protein Degradation and RNA Efflux of Viruses Photocatalyzed by Graphene@Tungsten Oxide Composite Under Visible Light Irradiation. Journal of Physical Chemistry C, 2012, 116, 9653-9659.	3.1	287
16	Bacteriorhodopsin as a superior substitute for hydrazine in chemical reduction of single-layer graphene oxide sheets. Carbon, 2015, 81, 158-166.	10.3	283
17	CuO/Cu(OH) <sub>2</sub> hierarchical nanostructures as bactericidal photocatalysts. Journal of Materials Chemistry, 2011, 21, 9634.	6.7	260
18	Melatonin as a powerful bio-antioxidant for reduction of graphene oxide. Journal of Materials Chemistry, 2011, 21, 10907.	6.7	255

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19	Increasing the antioxidant activity of green tea polyphenols in the presence of iron for the reduction of graphene oxide. <i>Carbon</i> , 2012, 50, 3015-3025.	10.3	240
20	Genotoxicity of graphene nanoribbons in human mesenchymal stem cells. <i>Carbon</i> , 2013, 54, 419-431.	10.3	239
21	Synthesis of titania/carbon nanotube heterojunction arrays for photoinactivation of <i>E. coli</i> in visible light irradiation. <i>Carbon</i> , 2009, 47, 3280-3287.	10.3	231
22	Cu and CuO nanoparticles immobilized by silica thin films as antibacterial materials and photocatalysts. <i>Surface and Coatings Technology</i> , 2010, 205, 219-223.	4.8	218
23	Graphene nanogrids for selective and fast osteogenic differentiation of human mesenchymal stem cells. <i>Carbon</i> , 2013, 59, 200-211.	10.3	215
24	Accelerated differentiation of neural stem cells into neurons on ginseng-reduced graphene oxide sheets. <i>Carbon</i> , 2014, 66, 395-406.	10.3	215
25	Visible light photo-induced antibacterial activity of CNT-doped TiO <sub>2</sub> thin films with various CNT contents. <i>Journal of Materials Chemistry</i> , 2010, 20, 7386.	6.7	213
26	Superparamagnetic zinc ferrite spinel-graphene nanostructures for fast wastewater purification. <i>Carbon</i> , 2014, 69, 230-238.	10.3	208
27	Selenium nanoparticles for targeted stroke therapy through modulation of inflammatory and metabolic signaling. <i>Scientific Reports</i> , 2019, 9, 6044.	3.3	208
28	Flash photo stimulation of human neural stem cells on graphene/TiO <sub>2</sub> heterojunction for differentiation into neurons. <i>Nanoscale</i> , 2013, 5, 10316.	5.6	203
29	Rolled graphene oxide foams as three-dimensional scaffolds for growth of neural fibers using electrical stimulation of stem cells. <i>Carbon</i> , 2016, 97, 71-77.	10.3	200
30	Personalized disease-specific protein corona influences the therapeutic impact of graphene oxide. <i>Nanoscale</i> , 2015, 7, 8978-8994.	5.6	199
31	Graphene oxide strongly inhibits amyloid beta fibrillation. <i>Nanoscale</i> , 2012, 4, 7322.	5.6	197
32	Nontoxic concentrations of PEGylated graphene nanoribbons for selective cancer cell imaging and photothermal therapy. <i>Journal of Materials Chemistry</i> , 2012, 22, 20626.	6.7	195
33	Synthesis of graphene from natural and industrial carbonaceous wastes. <i>RSC Advances</i> , 2014, 4, 20441.	3.6	189
34	Improving the photocatalytic activity of graphene oxide/ZnO nanorod films by UV irradiation. <i>Applied Surface Science</i> , 2016, 371, 590-595.	6.1	180
35	Hydrothermal synthesis of ZnO nanorod arrays for photocatalytic inactivation of bacteria. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 225305.	2.8	174
36	Graphene scaffolds in progressive nanotechnology/stem cell-based tissue engineering of the nervous system. <i>Journal of Materials Chemistry B</i> , 2016, 4, 3169-3190.	5.8	174

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37	Antioxidant nanomaterials in advanced diagnoses and treatments of ischemia reperfusion injuries. <i>Journal of Materials Chemistry B</i> , 2017, 5, 9452-9476.	5.8	169
38	Pd@WO <sub>3</sub> /reduced graphene oxide hierarchical nanostructures as efficient hydrogen gas sensors. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 8169-8179.	7.1	163
39	Self-accumulated Ag nanoparticles on mesoporous TiO <sub>2</sub> thin film with high bactericidal activities. <i>Surface and Coatings Technology</i> , 2010, 204, 3676-3683.	4.8	157
40	Differentiation of human neural stem cells into neural networks on graphene nanogrids. <i>Journal of Materials Chemistry B</i> , 2013, 1, 6291.	5.8	153
41	Adverse effects of graphene incorporated in TiO <sub>2</sub> photocatalyst on minuscule animals under solar light irradiation. <i>Journal of Materials Chemistry</i> , 2012, 22, 23260.	6.7	147
42	Photocatalytic property of Fe <sub>2</sub> O <sub>3</sub> nanograin chains coated by TiO <sub>2</sub> nanolayer in visible light irradiation. <i>Applied Catalysis A: General</i> , 2009, 369, 77-82.	4.3	143
43	Silver nanoparticles within vertically aligned multi-wall carbon nanotubes with open tips for antibacterial purposes. <i>Journal of Materials Chemistry</i> , 2011, 21, 387-393.	6.7	142
44	Bactericidal effects of Ag nanoparticles immobilized on surface of SiO <sub>2</sub> thin film with high concentration. <i>Current Applied Physics</i> , 2009, 9, 1381-1385.	2.4	131
45	The decoration of TiO <sub>2</sub> /reduced graphene oxide by Pd and Pt nanoparticles for hydrogen gas sensing. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 15423-15432.	7.1	130
46	Zinc ferrite spinel-graphene in magneto-photothermal therapy of cancer. <i>Journal of Materials Chemistry B</i> , 2014, 2, 3306.	5.8	128
47	Flexible bactericidal graphene oxide@chitosan layers for stem cell proliferation. <i>Applied Surface Science</i> , 2014, 301, 456-462.	6.1	126
48	Graphene/CuO <sub>2</sub> Nanoshuttles with Controllable Release of Oxygen Nanobubbles Promoting Interruption of Bacterial Respiration. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 35813-35825.	8.0	124
49	Curcumin-reduced graphene oxide sheets and their effects on human breast cancer cells. <i>Materials Science and Engineering C</i> , 2015, 55, 482-489.	7.3	122
50	Dose-dependent effects of nanoscale graphene oxide on reproduction capability of mammals. <i>Carbon</i> , 2015, 95, 309-317.	10.3	122
51	Three-Dimensional Graphene Foams: Synthesis, Properties, Biocompatibility, Biodegradability, and Applications in Tissue Engineering. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 193-214.	5.2	121
52	Cyto and genotoxicities of graphene oxide and reduced graphene oxide sheets on spermatozoa. <i>RSC Advances</i> , 2014, 4, 27213.	3.6	117
53	In vivo SPECT imaging of tumors by <sup>198,199</sup> Au-labeled graphene oxide nanostructures. <i>Materials Science and Engineering C</i> , 2014, 45, 196-204.	7.3	116
54	Copper oxide nanoflakes as highly sensitive and fast response self-sterilizing biosensors. <i>Journal of Materials Chemistry</i> , 2011, 21, 12935.	6.7	115

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55	Functionalized carbon nanotubes in ZnO thin films for photoinactivation of bacteria. <i>Materials Chemistry and Physics</i> , 2011, 130, 598-602.	4.0	115
56	Thickness dependent activity of nanostructured TiO <sub>2</sub> /Fe <sub>2</sub> O <sub>3</sub> photocatalyst thin films. <i>Applied Surface Science</i> , 2010, 257, 1724-1728.	6.1	114
57	Ultra-sensitive detection of leukemia by graphene. <i>Nanoscale</i> , 2014, 6, 14810-14819.	5.6	106
58	Spongy graphene electrode in electrochemical detection of leukemia at single-cell levels. <i>Carbon</i> , 2014, 79, 654-663.	10.3	105
59	The use of graphene in the self-organized differentiation of human neural stem cells into neurons under pulsed laser stimulation. <i>Journal of Materials Chemistry B</i> , 2014, 2, 5602.	5.8	99
60	Near infrared laser stimulation of human neural stem cells into neurons on graphene nanomesh semiconductors. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 126, 313-321.	5.0	98
61	ZnFe <sub>2</sub> O <sub>4</sub> nanoparticles as radiosensitizers in radiotherapy of human prostate cancer cells. <i>Materials Science and Engineering C</i> , 2015, 46, 394-399.	7.3	97
62	Hydrophilicity variation of WO <sub>3</sub> thin films with annealing temperature. <i>Journal Physics D: Applied Physics</i> , 2007, 40, 1134-1137.	2.8	89
63	Enhancement of antibacterial properties of Ag nanorods by electric field. <i>Science and Technology of Advanced Materials</i> , 2009, 10, 015003.	6.1	82
64	Improved electrochromical properties of sol-gel WO <sub>3</sub> thin films by doping gold nanocrystals. <i>Thin Solid Films</i> , 2010, 518, 2250-2257.	1.8	81
65	Physical characteristics of heat-treated nano-silvers dispersed in sol-gel silica matrix. <i>Nanotechnology</i> , 2006, 17, 763-771.	2.6	80
66	Pulsed laser irradiation for environment friendly reduction of graphene oxide suspensions. <i>Applied Surface Science</i> , 2014, 301, 183-188.	6.1	79
67	Supercritical water in top-down formation of tunable-sized graphene quantum dots applicable in effective photothermal treatments of tissues. <i>Carbon</i> , 2018, 130, 267-272.	10.3	75
68	Graphene oxide sheets involved in vertically aligned zinc oxide nanowires for visible light photoinactivation of bacteria. <i>Journal of Alloys and Compounds</i> , 2014, 612, 380-385.	5.5	74
69	Intestinal Parasitic Infections among Inhabitants of Karaj City, Tehran Province, Iran in 2006-2008. <i>Korean Journal of Parasitology</i> , 2009, 47, 265.	1.3	72
70	Vertically aligned ZnO@CdS nanorod heterostructures for visible light photoinactivation of bacteria. <i>Journal of Alloys and Compounds</i> , 2014, 590, 507-513.	5.5	72
71	Capping antibacterial Ag nanorods aligned on Ti interlayer by mesoporous TiO <sub>2</sub> layer. <i>Surface and Coatings Technology</i> , 2009, 203, 3123-3128.	4.8	71
72	Green metal-organic frameworks (MOFs) for biomedical applications. <i>Microporous and Mesoporous Materials</i> , 2022, 335, 111670.	4.4	65

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73	Polyphenols attached graphene nanosheets for high efficiency NIR mediated photodestruction of cancer cells. <i>Materials Science and Engineering C</i> , 2013, 33, 1498-1505.	7.3	64
74	Ugi Four-Component Assembly Process: An Efficient Approach for One-Pot Multifunctionalization of Nanographene Oxide in Water and Its Application in Lipase Immobilization. <i>Chemistry of Materials</i> , 2016, 28, 3004-3016.	6.7	63
75	Graphene Oxide Papers in Nanogenerators for Self-Powered Humidity Sensing by Finger Tapping. <i>Scientific Reports</i> , 2020, 10, 7312.	3.3	63
76	Synthesis and electrochromic study of sol-gel cuprous oxide nanoparticles accumulated on silica thin film. <i>Thin Solid Films</i> , 2009, 517, 6700-6706.	1.8	62
77	Graphene Jet Nanomotors in Remote Controllable Self-Propulsion Swimmers in Pure Water. <i>Nano Letters</i> , 2016, 16, 5619-5630.	9.1	60
78	Silver and Gold Nanoparticles for Antimicrobial Purposes against Multi-Drug Resistance Bacteria. <i>Materials</i> , 2022, 15, 1799.	2.9	58
79	Photocatalytic activity of CuO nanoparticles incorporated in mesoporous structure prepared from bis(2-aminonicotinato) copper(II) microflakes. <i>Transactions of Nonferrous Metals Society of China</i> , 2015, 25, 3634-3642.	4.2	57
80	Influence of heavy nanocrystals on spermatozoa and fertility of mammals. <i>Materials Science and Engineering C</i> , 2016, 69, 52-59.	7.3	57
81	Multifunctional core-shell nanoplatfoms (gold@graphene oxide) with mediated NIR thermal therapy to promote miRNA delivery. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 1891-1903.	3.3	54
82	Optical properties and surface morphology of evaporated (WO <sub>3</sub> ) <sub>1-x</sub> (Fe <sub>2</sub> O <sub>3</sub> ) <sub>x</sub> thin films. <i>Thin Solid Films</i> , 2005, 484, 124-131.	1.8	52
83	Graphene aerogel nanoparticles for in-situ loading/pH sensitive releasing anticancer drugs. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 186, 110712.	5.0	52
84	Cytotoxicity of protein corona-graphene oxide nanoribbons on human epithelial cells. <i>Applied Surface Science</i> , 2014, 320, 596-601.	6.1	51
85	Hyperthermia-induced protein corona improves the therapeutic effects of zinc ferrite spinel-graphene sheets against cancer. <i>RSC Advances</i> , 2014, 4, 62557-62565.	3.6	50
86	Synthesis and cyto-genotoxicity evaluation of graphene on mice spermatogonial stem cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 146, 770-776.	5.0	50
87	DNA-decorated graphene nanomesh for detection of chemical vapors. <i>Applied Physics Letters</i> , 2013, 103, 183110.	3.3	45
88	Toward Chemical Perfection of Graphene-Based Gene Carrier via Ugi Multicomponent Assembly Process. <i>Biomacromolecules</i> , 2016, 17, 2963-2971.	5.4	45
89	Formation of gold nanoparticles in heat-treated reactive co-sputtered Au-SiO <sub>2</sub> thin films. <i>Applied Surface Science</i> , 2007, 254, 286-290.	6.1	43
90	Pressure-engineered electrophoretic deposition for gentamicin loading within osteoblast-specific cellulose nanofiber scaffolds. <i>Materials Chemistry and Physics</i> , 2021, 272, 125018.	4.0	42

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91	DNA and RNA extractions from eukaryotic and prokaryotic cells by graphene nanoplatelets. RSC Advances, 2014, 4, 60720-60728.	3.6	39
92	Metal-organic frameworks (MOF) based heat transfer: A comprehensive review. Chemical Engineering Journal, 2022, 449, 137700.	12.7	39
93	Low temperature self-agglomeration of metallic Ag nanoparticles on silica sol-gel thin films. Journal Physics D: Applied Physics, 2008, 41, 195305.	2.8	38
94	The effect of Au/Ag ratios on surface composition and optical properties of co-sputtered alloy nanoparticles in Au-Ag:SiO <sub>2</sub> thin films. Journal of Alloys and Compounds, 2009, 486, 22-28.	5.5	38
95	High-efficiency CdTe/CdS core/shell nanocrystals in water enabled by photo-induced colloidal hetero-epitaxy of CdS shelling at room temperature. Nano Research, 2015, 8, 2317-2328.	10.4	38
96	Graphene oxide in generation of nanobubbles using controllable microvortices of jet flows. Carbon, 2018, 138, 8-17.	10.3	38
97	Magnetite/dextran-functionalized graphene oxide nanosheets for in vivo positive contrast magnetic resonance imaging. RSC Advances, 2015, 5, 47529-47537.	3.6	37
98	Hydrogen-rich water for green reduction of graphene oxide suspensions. International Journal of Hydrogen Energy, 2015, 40, 5553-5560.	7.1	37
99	Nanomaterials for Photocatalytic Degradations of Analgesic, Mucolytic and Anti-Biotic/Viral/Inflammatory Drugs Widely Used in Controlling SARS-CoV-2. Catalysts, 2022, 12, 667.	3.5	36
100	Size variation and optical absorption of sol-gel Ag nanoparticles doped SiO <sub>2</sub> thin film. Thin Solid Films, 2006, 515, 771-774.	1.8	35
101	Visible light photoinactivation of bacteria by tungsten oxide nanostructures formed on a tungsten foil. Applied Surface Science, 2015, 338, 55-60.	6.1	35
102	Highly sensitive selective sensing of nickel ions using repeatable fluorescence quenching-emerging of the CdTe quantum dots. Materials Research Bulletin, 2017, 95, 532-538.	5.2	35
103	Bias sputtered Ta modified diffusion barrier in Cu/Ta(Vb)/Si(111) structures. Thin Solid Films, 2000, 370, 10-17.	1.8	34
104	The effect of nanocrystalline tungsten oxide concentration on surface properties of dip-coated hydrophilic WO <sub>3</sub> -SiO <sub>2</sub> thin films. Journal Physics D: Applied Physics, 2007, 40, 2089-2095.	2.8	34
105	Green porous benzamide-like nanomembranes for hazardous cations detection, separation, and concentration adjustment. Journal of Hazardous Materials, 2022, 423, 127130.	12.4	34
106	Prevascularized Micro-/Nano-Sized Spheroid/Bead Aggregates for Vascular Tissue Engineering. Nano-Micro Letters, 2021, 13, 182.	27.0	33
107	rf reactive co-sputtered Au-Ag alloy nanoparticles in SiO <sub>2</sub> thin films. Applied Surface Science, 2007, 253, 7438-7442.	6.1	32
108	Storage of Ag nanoparticles in pore-arrays of SU-8 matrix for antibacterial applications. Journal Physics D: Applied Physics, 2009, 42, 135416.	2.8	32

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109	The bio-interface between functionalized Au NR@GO nanoplatforms with protein corona and their impact on delivery and release system. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 173, 891-898.	5.0	30
110	Single-Layer MoS <sub>2</sub> -MoO <sub>3-x</sub> Heterojunction Nanosheets with Simultaneous Photoluminescence and Co-Photocatalytic Features. <i>Catalysts</i> , 2021, 11, 1445.	3.5	30
111	Retardation of Ta silicidation by bias sputtering in Cu/Ta/Si(111) thin films. <i>Journal Physics D: Applied Physics</i> , 2001, 34, 2103-2108.	2.8	29
112	Cationic graphene oxide nanoplatform mediates miR-101 delivery to promote apoptosis by regulating autophagy and stress. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 5865-5886.	6.7	29
113	Graphene-based Nanomaterials in Fighting the Most Challenging Viruses and Immunogenic Disorders. <i>ACS Biomaterials Science and Engineering</i> , 2022, 8, 54-81.	5.2	29
114	Electrically conductive carbon-based (bio)nanomaterials for cardiac tissue engineering. <i>Bioengineering and Translational Medicine</i> , 2023, 8, .	7.1	29
115	Review of Oxygenation with Nanobubbles: Possible Treatment for Hypoxic COVID-19 Patients. <i>ACS Applied Nano Materials</i> , 2021, 4, 11386-11412.	5.0	28
116	CaZnO-based nanoghosts for the detection of ssDNA, pCRISPR and recombinant SARS-CoV-2 spike antigen and targeted delivery of doxorubicin. <i>Chemosphere</i> , 2022, 306, 135578.	8.2	28
117	Effect of Ni, Pd and Ni-Pd nano-islands on morphology and structure of multi-wall carbon nanotubes. <i>Applied Surface Science</i> , 2007, 253, 8458-8462.	6.1	27
118	IV vs. IA TPA in Acute Ischemic Stroke with CT Angiographic Evidence of Major Vessel Occlusion: A Feasibility Study. <i>Neurocritical Care</i> , 2009, 11, 76-81.	2.4	26
119	Simple Method to Synthesize NaWO <sub>3</sub> Nanorods and Nanobelts. <i>Journal of Physical Chemistry C</i> , 2009, 113, 13098-13102.	3.1	26
120	Visible light-induced photocatalytic reduction of graphene oxide by tungsten oxide thin films. <i>Applied Surface Science</i> , 2013, 276, 628-634.	6.1	26
121	Green products from herbal medicine wastes by subcritical water treatment. <i>Journal of Hazardous Materials</i> , 2022, 424, 127294.	12.4	26
122	A calculation of diffusion parameters for Cu/Ta and Ta/Si interfaces in Cu/Ta/Si(111) structure. <i>Materials Science in Semiconductor Processing</i> , 2003, 6, 165-170.	4.0	25
123	Photocatalytic activity of mesoporous microbricks of ZnO nanoparticles prepared by the thermal decomposition of bis(2-aminonicotinato) zinc (II). <i>Chinese Journal of Catalysis</i> , 2015, 36, 742-749.	14.0	25
124	An investigation on electrochromic properties of (WO <sub>3</sub> ) <sub>1-x</sub> (Fe <sub>2</sub> O <sub>3</sub> ) <sub>x</sub> thin films. <i>Thin Solid Films</i> , 2006, 515, 644-647.	1.8	23
125	Microwave-assisted synthesis of bismuth oxybromochloride nanoflakes for visible light photodegradation of pollutants. <i>Physica B: Condensed Matter</i> , 2015, 475, 14-20.	2.7	22
126	Graphene oxide for rapid determination of testosterone in the presence of cetyltrimethylammonium bromide in urine and blood plasma of athletes. <i>Materials Science and Engineering C</i> , 2016, 61, 246-250.	7.3	22



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127	Ultrahigh Permeable C <sub>2</sub> N-Inspired Graphene Nanomesh Membranes versus Highly Strained C <sub>2</sub> N for Reverse Osmosis Desalination. <i>Journal of Physical Chemistry B</i> , 2019, 123, 8740-8752.	2.6	22
128	All-Carbon Negative Differential Resistance Nanodevice Using a Single Flake of Nanoporous Graphene. <i>ACS Applied Electronic Materials</i> , 2021, 3, 3418-3427.	4.3	22
129	Chemical durability of metallic copper nanoparticles in silica thin films synthesized by sol-gel. <i>Journal Physics D: Applied Physics</i> , 2008, 41, 235407.	2.8	21
130	The effect of heat treatment on physical properties of nanograined (WO <sub>3</sub> ) <sub>1-x</sub> (Fe <sub>2</sub> O <sub>3</sub> ) <sub>x</sub> thin films. <i>Vacuum</i> , 2011, 85, 810-819.	3.5	21
131	ZnO Nanowires from Nanopillars: Influence of Growth Time. <i>Current Nanoscience</i> , 2009, 5, 479-484.	1.2	21
132	The effect of heating time on growth of Na <sub>x</sub> WO <sub>3</sub> nanowhiskers. <i>Vacuum</i> , 2008, 82, 821-826.	3.5	20
133	Nanoscale graphene oxide sheets as highly efficient carbocatalysts in green oxidation of benzylic alcohols and aromatic aldehydes. <i>Chinese Journal of Catalysis</i> , 2017, 38, 745-757.	14.0	20
134	Thickness dependence on thermal stability of sputtered Ag nanolayer on Ti/Si(100). <i>Applied Surface Science</i> , 2007, 254, 548-551.	6.1	19
135	Solid state preparation and photocatalytic activity of bismuth oxybromide nanoplates. <i>Research on Chemical Intermediates</i> , 2016, 42, 2429-2447.	2.7	19
136	&#x2013;Graphene Oxide Negatively Regulates Cell Cycle in Embryonic Fibroblast Cells&#x2013;. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 6201-6209.	6.7	19
137	Silver nanocube crystals on titanium nitride buffer layer. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 105305.	2.8	18
138	Hydrothermally Synthesized CuO Powders for Photocatalytic Inactivation of Bacteria. <i>Acta Physica Polonica A</i> , 2015, 127, 1727-1731.	0.5	17
139	Novel synthesis of cobalt/poly vinyl alcohol/gamma alumina nanocomposite for catalytic application. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	2.3	17
140	Emerging Phospholipid Nanobiomaterials for Biomedical Applications to Lab-on-a-Chip, Drug Delivery, and Cellular Engineering. <i>ACS Applied Bio Materials</i> , 2021, 4, 8110-8128.	4.6	17
141	Thermal stability of nanoscale silver metallization in Ag/W/Co/Si(100) multilayer. <i>Applied Surface Science</i> , 2006, 252, 5335-5338.	6.1	15
142	Growth of Na <sub>0.3</sub> WO <sub>3</sub> nanorods for the field emission application. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 205405.	2.8	15
143	Mechanochemically prepared BiOCl nanoplates for removal of rhodamine B and pentachlorophenol. <i>Monatshefte für Chemie</i> , 2016, 147, 685-696.	1.8	15
144	Curcumin as a green fluorescent label to revive the fluorescence property of functionalized graphene oxide nanosheets. <i>Journal of Drug Delivery Science and Technology</i> , 2018, 45, 422-427.	3.0	15

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145	Growth and characterization of sodium tungsten oxide nanobelts with U-shape cross section. <i>Journal of Crystal Growth</i> , 2008, 310, 824-828.	1.5	14
146	The growth of CoSi <sub>2</sub> thin film in Co/W/Si(100) multilayer structures. <i>Solid State Communications</i> , 2003, 128, 239-244.	1.9	12
147	Toxicity and Safety Issues of Carbon Nanotubes. , 2018, , 145-171.		11
148	Photoluminescence and electrochemical investigation of curcumin-reduced graphene oxide sheets. <i>Journal of the Iranian Chemical Society</i> , 2018, 15, 351-357.	2.2	10
149	Apoptotic and anti-apoptotic genes transcripts patterns of graphene in mice. <i>Materials Science and Engineering C</i> , 2017, 71, 460-464.	7.3	9
150	Single-crystalline growth of CoSi <sub>2</sub> by refractory-interlayer-mediated epitaxy. <i>Applied Surface Science</i> , 2004, 233, 123-128.	6.1	8
151	Graphene nanopores in broadband wide-angle optical cavity resonance absorbers. <i>Surfaces and Interfaces</i> , 2022, 30, 101956.	3.0	8
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