

# Nay MIng Huang

## List of Publications by Year in descending order

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153  
papers

8,924  
citations

28274

55  
h-index

48315

88  
g-index

155  
all docs

155  
docs citations

155  
times ranked

13057  
citing authors

#	ARTICLE	IF	CITATIONS
1	Flexible Graphene-Based Supercapacitors: A Review. <i>Journal of Physical Chemistry C</i> , 2016, 120, 4153-4172.	3.1	508
2	Simple room-temperature preparation of high-yield large-area graphene oxide. <i>International Journal of Nanomedicine</i> , 2011, 6, 3443.	6.7	328
3	Graphene and its nanocomposite material based electrochemical sensor platform for dopamine. <i>RSC Advances</i> , 2014, 4, 63296-63323.	3.6	272
4	Highly exposed {001} facets of titanium dioxide modified with reduced graphene oxide for dopamine sensing. <i>Scientific Reports</i> , 2014, 4, 5044.	3.3	250
5	A practical carbon dioxide gas sensor using room-temperature hydrogen plasma reduced graphene oxide. <i>Sensors and Actuators B: Chemical</i> , 2014, 193, 692-700.	7.8	248
6	Nanocomposites of graphene/polymers: a review. <i>RSC Advances</i> , 2015, 5, 68014-68051.	3.6	216
7	Fabrication and characterization of graphene hydrogel via hydrothermal approach as a scaffold for preliminary study of cell growth. <i>International Journal of Nanomedicine</i> , 2011, 6, 1817.	6.7	170
8	Three-Dimensional Printed Electrode and Its Novel Applications in Electronic Devices. <i>Scientific Reports</i> , 2018, 8, 7399.	3.3	166
9	Influence of particle size on performance of a nickel oxide nanoparticle-based supercapacitor. <i>RSC Advances</i> , 2015, 5, 14010-14019.	3.6	164
10	Boosting Photovoltaic Performance of Dye-Sensitized Solar Cells Using Silver Nanoparticle-Decorated N,S-Co-Doped-TiO <sub>2</sub> Photoanode. <i>Scientific Reports</i> , 2015, 5, 11922.	3.3	164
11	Synthesis of chitosan grafted-polyaniline/Co <sub>3</sub> O <sub>4</sub> nanocube nanocomposites and their photocatalytic activity toward methylene blue dye degradation. <i>RSC Advances</i> , 2015, 5, 83857-83867.	3.6	161
12	Solvothermal synthesis of SnO <sub>2</sub> /graphene nanocomposites for supercapacitor application. <i>Ceramics International</i> , 2013, 39, 6647-6655.	4.8	153
13	Gold nanoparticle based optical and electrochemical sensing of dopamine. <i>Mikrochimica Acta</i> , 2015, 182, 2091-2114.	5.0	148
14	Antibacterial performance of Ag nanoparticles and AgGO nanocomposites prepared via rapid microwave-assisted synthesis method. <i>Nanoscale Research Letters</i> , 2012, 7, 541.	5.7	144
15	An electrochemical sensing platform based on a reduced graphene oxide@cobalt oxide nanocube@platinum nanocomposite for nitric oxide detection. <i>Journal of Materials Chemistry A</i> , 2015, 3, 14458-14468.	10.3	141
16	Magnetically separable reduced graphene oxide/iron oxide nanocomposite materials for environmental remediation. <i>Catalysis Science and Technology</i> , 2014, 4, 4396-4405.	4.1	128
17	Exceedingly biocompatible and thin-layered reduced graphene oxide nanosheets using an eco-friendly mushroom extract strategy. <i>International Journal of Nanomedicine</i> , 2015, 10, 1505.	6.7	122
18	In-situ electrochemically deposited polypyrrole nanoparticles incorporated reduced graphene oxide as an efficient counter electrode for platinum-free dye-sensitized solar cells. <i>Scientific Reports</i> , 2014, 4, 5305.	3.3	117

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19	Amalgamation based optical and colorimetric sensing of mercury(II) ions with silver@graphene oxide nanocomposite materials. <i>Mikrochimica Acta</i> , 2016, 183, 369-377.	5.0	108
20	Fabrication of flexible polypyrrole/graphene oxide/manganese oxide supercapacitor. <i>International Journal of Energy Research</i> , 2015, 39, 344-355.	4.5	106
21	Ternary nanohybrid of reduced graphene oxide-nafion@silver nanoparticles for boosting the sensor performance in non-enzymatic amperometric detection of hydrogen peroxide. <i>Biosensors and Bioelectronics</i> , 2017, 87, 1020-1028.	10.1	106
22	Enhanced photovoltaic performance of silver@titania plasmonic photoanode in dye-sensitized solar cells. <i>RSC Advances</i> , 2014, 4, 38111-38118.	3.6	104
23	Controlled synthesis of reduced graphene oxide supported silver nanoparticles for selective and sensitive electrochemical detection of 4-nitrophenol. <i>Electrochimica Acta</i> , 2016, 192, 392-399.	5.2	104
24	Facile synthesis of graphene oxide@silver nanocomposite and its modified electrode for enhanced electrochemical detection of nitrite ions. <i>Talanta</i> , 2015, 144, 908-914.	5.5	103
25	The biogenic synthesis of a reduced graphene oxide@silver (RGO@Ag) nanocomposite and its dual applications as an antibacterial agent and cancer biomarker sensor. <i>RSC Advances</i> , 2016, 6, 36576-36587.	3.6	97
26	Synergistically Enhanced Electrocatalytic Performance of an N-Doped Graphene Quantum Dot-Decorated 3D MoS <sub>2</sub> @Graphene Nanohybrid for Oxygen Reduction Reaction. <i>ACS Omega</i> , 2016, 1, 971-980.	3.5	96
27	Sonochemical and sustainable synthesis of graphene-gold (G-Au) nanocomposites for enzymeless and selective electrochemical detection of nitric oxide. <i>Biosensors and Bioelectronics</i> , 2017, 87, 622-629.	10.1	91
28	One-pot sonochemical synthesis of reduced graphene oxide uniformly decorated with ultrafine silver nanoparticles for non-enzymatic detection of H <sub>2</sub> O <sub>2</sub> and optical detection of mercury ions. <i>RSC Advances</i> , 2014, 4, 36401-36411.	3.6	89
29	Enhanced electrocatalytic performance of cobalt oxide nanocubes incorporating reduced graphene oxide as a modified platinum electrode for methanol oxidation. <i>RSC Advances</i> , 2014, 4, 62793-62801.	3.6	85
30	Simple and scalable preparation of reduced graphene oxide@silver nanocomposites via rapid thermal treatment. <i>Materials Letters</i> , 2012, 89, 180-183.	2.6	83
31	Silver@graphene oxide nanocomposite-based optical sensor platform for biomolecules. <i>RSC Advances</i> , 2015, 5, 17809-17816.	3.6	83
32	Electrodeposition of Polypyrrole and Reduced Graphene Oxide onto Carbon Bundle Fibre as Electrode for Supercapacitor. <i>Nanoscale Research Letters</i> , 2017, 12, 246.	5.7	79
33	Investigation on the use of graphene oxide as novel surfactant to stabilize weakly charged graphene nanoplatelets. <i>Nanoscale Research Letters</i> , 2015, 10, 212.	5.7	77
34	Electrochemical sensing of nitrite using a glassy carbon electrode modified with reduced functionalized graphene oxide decorated with flower-like zinc oxide. <i>Mikrochimica Acta</i> , 2015, 182, 1113-1122.	5.0	76
35	Preparation of highly water dispersible functional graphene/silver nanocomposite for the detection of melamine. <i>Sensors and Actuators B: Chemical</i> , 2013, 181, 885-893.	7.8	73
36	Facile synthesis of Au@TiO <sub>2</sub> nanocomposite and its application as a photoanode in dye-sensitized solar cells. <i>RSC Advances</i> , 2015, 5, 44398-44407.	3.6	73

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37	Facile hydrothermal preparation of titanium dioxide decorated reduced graphene oxide nanocomposite. <i>International Journal of Nanomedicine</i> , 2012, 7, 3379.	6.7	72
38	Horseradish peroxidase-labeled silver/reduced graphene oxide thin film-modified screen-printed electrode for detection of carcinoembryonic antigen. <i>Biosensors and Bioelectronics</i> , 2017, 89, 673-680.	10.1	72
39	Cadmium Sulfide Nanoparticles Decorated with Au Quantum Dots as Ultrasensitive Photoelectrochemical Sensor for Selective Detection of Copper(II) Ions. <i>Journal of Physical Chemistry C</i> , 2016, 120, 22202-22214.	3.1	71
40	Microwave Synthesis of Zinc Oxide/Reduced Graphene Oxide Hybrid for Adsorption-Photocatalysis Application. <i>International Journal of Photoenergy</i> , 2014, 2014, 1-8.	2.5	70
41	An electrochemical sensing platform of cobalt oxide@gold nanocubes interleaved reduced graphene oxide for the selective determination of hydrazine. <i>Electrochimica Acta</i> , 2018, 259, 606-616.	5.2	69
42	$\gamma$ -Ray assisted synthesis of silver nanoparticles in chitosan solution and the antibacterial properties. <i>Chemical Engineering Journal</i> , 2009, 155, 499-507.	12.7	67
43	Sucrose ester micellar-mediated synthesis of Ag nanoparticles and the antibacterial properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 353, 69-76.	4.7	67
44	Hydrothermal synthesis of CuO/functionalized graphene nanocomposites for dye degradation. <i>Materials Letters</i> , 2013, 93, 393-396.	2.6	66
45	One-pot hydrothermal synthesis and characterization of FeS <sub>2</sub> (pyrite)/graphene nanocomposite. <i>Chemical Engineering Journal</i> , 2013, 218, 276-284.	12.7	65
46	Promotional effect of silver nanoparticles on the performance of N-doped TiO <sub>2</sub> photoanode-based dye-sensitized solar cells. <i>RSC Advances</i> , 2014, 4, 48236-48244.	3.6	65
47	A gold nanorod-based localized surface plasmon resonance platform for the detection of environmentally toxic metal ions. <i>Analyst</i> , 2015, 140, 2540-2555.	3.5	64
48	Preparation and characterization of polypyrrole/graphene nanocomposite films and their electrochemical performance. <i>Journal of Polymer Research</i> , 2013, 20, 1.	2.4	63
49	Polypyrrole/graphene composite films synthesized via potentiostatic deposition. <i>Journal of Applied Polymer Science</i> , 2013, 128, 224-229.	2.6	62
50	Electrochemical properties of free-standing polypyrrole/graphene oxide/zinc oxide flexible supercapacitor. <i>International Journal of Energy Research</i> , 2015, 39, 111-119.	4.5	62
51	Single step fabrication of CuO@MnO <sub>2</sub> /TiO <sub>2</sub> composite thin films with improved photoelectrochemical response. <i>RSC Advances</i> , 2017, 7, 15885-15893.	3.6	62
52	Fabrication of graphene/gold-modified screen-printed electrode for detection of carcinoembryonic antigen. <i>Materials Science and Engineering C</i> , 2016, 58, 666-674.	7.3	61
53	A glassy carbon electrode modified with graphene oxide and silver nanoparticles for amperometric determination of hydrogen peroxide. <i>Mikrochimica Acta</i> , 2016, 183, 911-916.	5.0	58
54	Titania@gold plasmonic nanoarchitectures: An ideal photoanode for dye-sensitized solar cells. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 60, 408-420.	16.4	58

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55	Sonochemical synthesis of reduced graphene oxide uniformly decorated with hierarchical ZnS nanospheres and its enhanced photocatalytic activities. <i>RSC Advances</i> , 2015, 5, 12726-12735.	3.6	57
56	A promising electrochemical sensor based on Au nanoparticles decorated reduced graphene oxide for selective detection of herbicide diuron in natural waters. <i>Journal of Applied Electrochemistry</i> , 2016, 46, 655-666.	2.9	57
57	Cobalt oxide nanocubes interleaved reduced graphene oxide as an efficient electrocatalyst for oxygen reduction reaction in alkaline medium. <i>Electrochimica Acta</i> , 2017, 237, 61-68.	5.2	56
58	Morphology dependent electrocatalytic properties of hydrothermally synthesized cobalt oxide nanostructures. <i>Ceramics International</i> , 2015, 41, 13210-13217.	4.8	55
59	Colorimetric detection of DNA hybridization based on a dual platform of gold nanoparticles and graphene oxide. <i>Biosensors and Bioelectronics</i> , 2014, 55, 91-98.	10.1	54
60	Reduced graphene oxide-titania nanocomposite-modified photoanode for efficient dye-sensitized solar cells. <i>International Journal of Energy Research</i> , 2015, 39, 812-824.	4.5	54
61	Utilization of reduced graphene oxide/cadmium sulfide-modified carbon cloth for visible-light-prompt photoelectrochemical sensor for copper (II) ions. <i>Journal of Hazardous Materials</i> , 2016, 304, 400-408.	12.4	54
62	Piezoresistive effects in controllable defective HFTCVD graphene-based flexible pressure sensor. <i>Scientific Reports</i> , 2015, 5, 14751.	3.3	53
63	Gold@silver@TiO <sub>2</sub> nanocomposite-modified plasmonic photoanodes for higher efficiency dye-sensitized solar cells. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 1395-1407.	2.8	52
64	Cesium Lead Halide Inorganic-Based Perovskite-Sensitized Solar Cell for Photo-Supercapacitor Application under High Humidity Condition. <i>ACS Applied Energy Materials</i> , 2018, 1, 692-699.	5.1	52
65	Electrodeposition of Polypyrrole/Reduced Graphene Oxide/Iron Oxide Nanocomposite as Supercapacitor Electrode Material. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-6.	2.7	50
66	Visual and spectrophotometric determination of mercury(II) using silver nanoparticles modified with graphene oxide. <i>Mikrochimica Acta</i> , 2016, 183, 597-603.	5.0	50
67	A porous aerogel nanocomposite of silver nanoparticles-functionalized cellulose nanofibrils for SERS detection and catalytic degradation of rhodamine B. <i>RSC Advances</i> , 2015, 5, 88915-88920.	3.6	48
68	Experimental investigation on the use of reduced graphene oxide and its hybrid complexes in improving closed conduit turbulent forced convective heat transfer. <i>Experimental Thermal and Fluid Science</i> , 2015, 66, 290-303.	2.7	47
69	Microwave synthesis of reduced graphene oxide decorated with silver nanoparticles for electrochemical determination of 4-nitrophenol. <i>Ceramics International</i> , 2016, 42, 18813-18820.	4.8	47
70	Optical and electrical properties of p-type Li-doped ZnO nanowires. <i>Superlattices and Microstructures</i> , 2013, 61, 91-96.	3.1	46
71	Graphene/polypyrrole-coated carbon nanofiber core-shell architecture electrode for electrochemical capacitors. <i>RSC Advances</i> , 2015, 5, 12692-12699.	3.6	46
72	Electrochemical sensor based on gold nanoparticles/ethylenediamine-reduced graphene oxide for trace determination of fenitrothion in water. <i>RSC Advances</i> , 2016, 6, 89430-89439.	3.6	45

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73	Green gelatine-assisted sol-gel synthesis of ultrasmall nickel oxide nanoparticles. <i>Ceramics International</i> , 2013, 39, 3909-3914.	4.8	42
74	Graphene oxide-based waveguide polariser: From thin film to quasi-bulk. <i>Optics Express</i> , 2014, 22, 11090.	3.4	42
75	High-Performance Supercapacitor Based on Three-Dimensional Hierarchical rGO/Nickel Cobaltite Nanostructures as Electrode Materials. <i>Journal of Physical Chemistry C</i> , 2016, 120, 21202-21210.	3.1	42
76	Antibacterial hybrid cellulose-graphene oxide nanocomposite immobilized with silver nanoparticles. <i>RSC Advances</i> , 2015, 5, 26263-26268.	3.6	41
77	Effect of AACVD Processing Parameters on the Growth of Greenockite (CdS) Thin Films using a Single-Source Cadmium Precursor. <i>Chemical Vapor Deposition</i> , 2012, 18, 191-200.	1.3	40
78	High performance magnetically separable graphene/zinc oxide nanocomposite. <i>Materials Letters</i> , 2013, 93, 411-414.	2.6	40
79	Hybrid silver nanoparticle/nanocluster-decorated polypyrrole for high-performance supercapacitors. <i>RSC Advances</i> , 2015, 5, 75442-75450.	3.6	40
80	Cadmium Sulphide-Reduced Graphene Oxide-Modified Photoelectrode-Based Photoelectrochemical Sensing Platform for Copper(II) Ions. <i>PLoS ONE</i> , 2016, 11, e0154557.	2.5	40
81	Experimental study on thermo-physical and rheological properties of stable and green reduced graphene oxide nanofluids: Hydrothermal assisted technique. <i>Journal of Dispersion Science and Technology</i> , 2017, 38, 1302-1310.	2.4	39
82	Hematite Nanoparticles-Modified Electrode Based Electrochemical Sensing Platform for Dopamine. <i>Scientific World Journal</i> , The, 2014, 2014, 1-13.	2.1	38
83	Photoelectrocatalytic activity of Mn <sub>2</sub> O <sub>3</sub> -TiO <sub>2</sub> composite thin films engendered from a trinuclear molecular complex. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 9267-9275.	7.1	37
84	Synthesis of nitrogen-doped reduced graphene oxide-multiwalled carbon nanotube composite on nickel foam as electrode for high-performance supercapacitor. <i>Ceramics International</i> , 2017, 43, 20-27.	4.8	37
85	Synthesis and characterization of single crystal PbO nanoparticles in a gelatin medium. <i>Ceramics International</i> , 2014, 40, 11699-11703.	4.8	36
86	Silver/titania nanocomposite-modified photoelectrodes for photoelectrocatalytic methanol oxidation. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 14720-14729.	7.1	36
87	Electrospun nanofiber membranes as ultrathin flexible supercapacitors. <i>RSC Advances</i> , 2017, 7, 12033-12040.	3.6	35
88	Piezoresistive Effect in Plasma-Doping of Graphene Sheet for High-Performance Flexible Pressure Sensing Application. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 15192-15201.	8.0	35
89	Enhanced Biocatalytic Esterification with Lipase-Immobilized Chitosan/Graphene Oxide Beads. <i>PLoS ONE</i> , 2014, 9, e104695.	2.5	33
90	Nitrite ion sensing properties of ZnTiO <sub>3</sub> -TiO <sub>2</sub> composite thin films deposited from a zinc-titanium molecular complex. <i>New Journal of Chemistry</i> , 2015, 39, 7442-7452.	2.8	30

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91	Facile synthesis of nanosized graphene/Nafion hybrid materials and their application in electrochemical sensing of nitric oxide. <i>Analytical Methods</i> , 2015, 7, 3537-3544.	2.7	30
92	Effect of pH on morphology and supercapacitive properties of manganese oxide/polypyrrole nanocomposite. <i>Applied Surface Science</i> , 2015, 357, 479-486.	6.1	30
93	Selective and sensitive visible-light-prompt photoelectrochemical sensor of Cu <sup>2+</sup> based on CdS nanorods modified with Au and graphene quantum dots. <i>Journal of Hazardous Materials</i> , 2020, 391, 122248.	12.4	29
94	Optical properties of group-I-doped ZnO nanowires. <i>Ceramics International</i> , 2014, 40, 4327-4332.	4.8	27
95	Investigation of the electrochemical behavior of indium nitride thin films by plasma-assisted reactive evaporation. <i>RSC Advances</i> , 2015, 5, 17325-17335.	3.6	27
96	A graphene oxide facilitated a highly porous and effective antibacterial regenerated cellulose membrane containing stabilized silver nanoparticles. <i>Cellulose</i> , 2014, 21, 4261-4270.	4.9	26
97	Amperometric determination of L-cysteine using a glassy carbon electrode modified with palladium nanoparticles grown on reduced graphene oxide in a Nafion matrix. <i>Mikrochimica Acta</i> , 2018, 185, 246.	5.0	26
98	Electrochemical properties of silver nanoparticle-supported reduced graphene oxide in nitric oxide oxidation and detection. <i>RSC Advances</i> , 2016, 6, 107141-107150.	3.6	25
99	Single w/o microemulsion templating of CdS nanoparticles. <i>Journal of Materials Science</i> , 2004, 39, 2411-2415.	3.7	24
100	Nitrogen-doped multiwalled carbon nanotubes decorated with copper(I) oxide nanoparticles with enhanced capacitive properties. <i>Journal of Materials Science</i> , 2017, 52, 6280-6290.	3.7	24
101	Essential role of N and Au on TiO <sub>2</sub> as photoanode for efficient dye-sensitized solar cells. <i>Solar Energy</i> , 2016, 125, 135-145.	6.1	23
102	Highly Sensitive Electrochemical Biosensor Using Folic Acid-Modified Reduced Graphene Oxide for the Detection of Cancer Biomarker. <i>Nanomaterials</i> , 2021, 11, 1272.	4.1	23
103	Boosting the supercapacitive properties of polypyrrole with chitosan and hybrid silver nanoparticles/nanoclusters. <i>RSC Advances</i> , 2016, 6, 88925-88933.	3.6	22
104	Fabrication of high-quality graphene by hot-filament thermal chemical vapor deposition. <i>Carbon</i> , 2015, 86, 1-11.	10.3	21
105	A Facile Preparation of Titanium Dioxide-Iron Oxide@Silicon Dioxide Incorporated Reduced Graphene Oxide Nanohybrid for Electrooxidation of Methanol in Alkaline Medium. <i>Electrochimica Acta</i> , 2016, 192, 167-176.	5.2	20
106	Mild Hydrothermal Synthesis of Ni@Cu Nanoparticles. <i>Journal of Nanomaterials</i> , 2010, 2010, 1-5.	2.7	19
107	Surface Modification of Aerosol-Assisted CVD Produced TiO <sub>2</sub> Thin Film for Dye Sensitised Solar Cell. <i>International Journal of Photoenergy</i> , 2014, 2014, 1-12.	2.5	19
108	Improved Synthesis of Reduced Graphene Oxide-Titanium Dioxide Composite with Highly Exposed{001}Facets and Its Photoelectrochemical Response. <i>International Journal of Photoenergy</i> , 2014, 2014, 1-9.	2.5	19

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109	Catalyst-assisted electrochemical deposition of graphene decorated polypyrrole nanoparticles film for high-performance supercapacitor. RSC Advances, 2014, 4, 56445-56454.	3.6	19
110	Fabrication of CuO $\cdot$ 1.5ZrO <sub>2</sub> composite thin film, from heteronuclear molecular complex and its electrocatalytic activity towards methanol oxidation. RSC Advances, 2015, 5, 103852-103862.	3.6	19
111	Electrochemical sensing of nitrite using a copper-titanium oxide composite derived from a hexanuclear complex. RSC Advances, 2016, 6, 27852-27861.	3.6	19
112	Amperometric detection of nitric oxide using a glassy carbon electrode modified with gold nanoparticles incorporated into a nanohybrid composed of reduced graphene oxide and Nafion. Mikrochimica Acta, 2017, 184, 3291-3299.	5.0	19
113	$\gamma$ -Ray assisted synthesis of Ni <sub>3</sub> Se <sub>2</sub> nanoparticles stabilized by natural polymer. Chemical Engineering Journal, 2009, 147, 399-404.	12.7	18
114	Influence of Sn doping on photoluminescence and photoelectrochemical properties of ZnO nanorod arrays. Electronic Materials Letters, 2014, 10, 753-758.	2.2	18
115	Photoelectrochemical properties of morphology controlled manganese, iron, nickel and copper oxides nanoball thin films deposited by electric field directed aerosol assisted chemical vapour deposition. Materials Today Communications, 2015, 4, 141-148.	1.9	18
116	Effect of synergic cooperation on optical and photoelectrochemical properties of CeO <sub>2</sub> -MnO composite thin films. New Journal of Chemistry, 2016, 40, 5177-5184.	2.8	18
117	Fiber-based Surface Plasmon Resonance Sensor for Lead Ion Detection in Aqueous Solution. Plasmonics, 2020, 15, 1369-1376.	3.4	18
118	Investigation on the Use of Graphene Oxide as Novel Surfactant for Stabilizing Carbon Based Materials. Journal of Dispersion Science and Technology, 2016, 37, 1395-1407.	2.4	17
119	Colorimetric and visual dopamine assay based on the use of gold nanorods. Mikrochimica Acta, 2017, 184, 4125-4132.	5.0	17
120	In situ templating of PbS nanorods in reverse hexagonal liquid crystal. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2004, 247, 55-60.	4.7	16
121	Synthesis and characterization of ultra small PbS nanorods in sucrose ester microemulsion. Materials Letters, 2009, 63, 500-503.	2.6	16
122	Vysotskite structured photoactive palladium sulphide thin films from dithiocarbamate derivatives. New Journal of Chemistry, 2014, 38, 4083-4091.	2.8	16
123	Effect of hydrogen gas on the growth process of PbS nanorods grown by a CVD method. Current Applied Physics, 2014, 14, 1031-1035.	2.4	16
124	Experimental and predicted mechanical properties of Cr <sub>x</sub> Al <sub>x</sub> N thin films, at high temperatures, incorporating in situ synchrotron radiation X-ray diffraction and computational modelling. RSC Advances, 2017, 7, 22094-22104.	3.6	16
125	Investigations of tungsten carbide nanostructures treated with different temperatures as counter electrodes for dye sensitized solar cells (DSSC) applications. Journal of Materials Science: Materials in Electronics, 2015, 26, 7977-7986.	2.2	15
126	Large-scale and facile fabrication of PbSe nanostructures by selenization of a Pb sheet. Functional Materials Letters, 2015, 08, 1550063.	1.2	14

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127	Graphene Oxide-Based Q-Switched Erbium-Doped Fiber Laser. Chinese Physics Letters, 2013, 30, 024208.	3.3	13
128	The synthesis and characterization of a hexanuclear copper-yttrium complex for deposition of semiconducting $\text{CuYO}_{2.2}$ - $\text{Cu}_{0.5}\text{Cu}_{2.2}\text{O}$ composite thin films. New Journal of Chemistry, 2015, 39, 1031-1037.	2.8	13
129	Optical and optoelectronic properties of morphology and structure controlled ZnO, CdO and PbO thin films deposited by electric field directed aerosol assisted CVD. Journal of Materials Science: Materials in Electronics, 2017, 28, 868-877.	2.2	13
130	Preparation of Graphene Oxide Stabilized Nickel Nanoparticles with Thermal Effusivity Properties by Laser Ablation Method. Journal of Nanomaterials, 2013, 2013, 1-9.	2.7	12
131	Facile Synthesis of Porous-Structured Nickel Oxide Thin Film by Pulsed Laser Deposition. Journal of Nanomaterials, 2012, 2012, 1-4.	2.7	11
132	Voltammetric determination of nitric oxide using a glassy carbon electrode modified with a nanohybrid consisting of myoglobin, gold nanorods, and reduced graphene oxide. Mikrochimica Acta, 2016, 183, 3077-3085.	5.0	11
133	Colorimetric biosensing of targeted gene sequence using dual nanoparticle platforms. International Journal of Nanomedicine, 2015, 10, 2711.	6.7	10
134	Reduced Graphene Oxide/Maghemite Nanocomposite for Detection of Lead Ions in Water Using Surface Plasmon Resonance. IEEE Photonics Journal, 2018, 10, 1-10.	2.0	10
135	Cellulose acetate beads modified with cadmium sulfide and Methylene blue for adsorbent-assisted photoelectrochemical detection of copper(II) ions. Mikrochimica Acta, 2019, 186, 452.	5.0	9
136	Silver Nanoparticles - Graphene Oxide Nanocomposite for Antibacterial Purpose. Advanced Materials Research, 0, 364, 439-443.	0.3	7
137	Hierarchical Si/ZnO trunk-branch nanostructure for photocurrent enhancement. Nanoscale Research Letters, 2014, 9, 469.	5.7	7
138	Synthesis of robust electrochemical substrate and fabrication of immobilization free biosensors for rapid sensing of salicylate and $\beta$ -hydroxybutyrate in whole blood. Analytica Chimica Acta, 2017, 990, 78-83.	5.4	7
139	One-Pot Hydrothermal Synthesis of Reduced Graphene Oxide-Multiwalled Carbon Nanotubes Composite Material on Nickel Foam for Efficient Supercapacitor Electrode. Electrocatalysis, 2015, 6, 373-381.	3.0	6
140	Amperometric detection of hydrogen peroxide and its density functional theory for adsorption on Ag/TiO <sub>2</sub> nanohybrid. Journal of Materials Science: Materials in Electronics, 2020, 31, 6017-6026.	2.2	6
141	Preparation and characterization of brushite crystals using high internal phase emulsion. Colloid Journal, 2009, 71, 793-802.	1.3	5
142	Electrocatalytic Reduction of Hydrogen Peroxide and Its Non-Enzymatic Electrochemical Detection Using Silver Nanoparticles Anchored on Reduced Graphene Oxide. Journal of Nanoscience and Nanotechnology, 2019, 19, 7054-7063.	0.9	5
143	Three-Component Olive Oil-In-Water High Internal Phase Emulsions Stabilized by Palm Surfactant and Their Moisturizing Properties. Journal of Dispersion Science and Technology, 2009, 31, 95-101.	2.4	4
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