

# Hong Ngee Lim

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

241 papers	8,537 citations	54 h-index	80 g-index
249 ext. papers	9,777 ext. citations	4.6 avg, IF	6.5 L-index

#	Paper	IF	Citations
241	Flexible Graphene-Based Supercapacitors: A Review. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 4153-4173	3.8	407
240	Simple room-temperature preparation of high-yield large-area graphene oxide. <i>International Journal of Nanomedicine</i> , <b>2011</b> , 6, 3443-8	7.3	278
239	Graphene and its nanocomposite material based electrochemical sensor platform for dopamine. <i>RSC Advances</i> , <b>2014</b> , 4, 63296-63323	3.7	224
238	Nanocomposites of graphene/polymers: a review. <i>RSC Advances</i> , <b>2015</b> , 5, 68014-68051	3.7	177
237	Highly exposed {001} facets of titanium dioxide modified with reduced graphene oxide for dopamine sensing. <i>Scientific Reports</i> , <b>2014</b> , 4, 5044	4.9	167
236	Performance of Flexible and Binderless Polypyrrole/Graphene Oxide/Zinc Oxide Supercapacitor Electrode in a Symmetrical Two-Electrode Configuration. <i>Electrochimica Acta</i> , <b>2015</b> , 157, 88-94	6.7	154
235	Fabrication and characterization of graphene hydrogel via hydrothermal approach as a scaffold for preliminary study of cell growth. <i>International Journal of Nanomedicine</i> , <b>2011</b> , 6, 1817-23	7.3	151
234	Solvothermal synthesis of SnO <sub>2</sub> /graphene nanocomposites for supercapacitor application. <i>Ceramics International</i> , <b>2013</b> , 39, 6647-6655	5.1	127
233	Hydrothermal synthesis of magnetite nanoparticles as MRI contrast agents. <i>Ceramics International</i> , <b>2010</b> , 36, 1417-1422	5.1	124
232	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> , <b>2015</b> , 5, 11922	4.9	123
231	Antibacterial performance of Ag nanoparticles and AgGO nanocomposites prepared via rapid microwave-assisted synthesis method. <i>Nanoscale Research Letters</i> , <b>2012</b> , 7, 541	5	119
230	Influence of particle size on performance of a nickel oxide nanoparticle-based supercapacitor. <i>RSC Advances</i> , <b>2015</b> , 5, 14010-14019	3.7	115
229	Facile preparation of graphene-based chitosan films: Enhanced thermal, mechanical and antibacterial properties. <i>Journal of Non-Crystalline Solids</i> , <b>2012</b> , 358, 525-530	3.9	114
228	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> , <b>2015</b> , 3, 14458-14468	13	112
227	Gold nanoparticle based optical and electrochemical sensing of dopamine. <i>Mikrochimica Acta</i> , <b>2015</b> , 182, 2091-2114	5.8	111
226	One-step electrodeposition synthesis of silver-nanoparticle-decorated graphene on indium-tin-oxide for enzymeless hydrogen peroxide detection. <i>Carbon</i> , <b>2013</b> , 62, 405-412	10.4	109
225	Three-Dimensional Printed Electrode and Its Novel Applications in Electronic Devices. <i>Scientific Reports</i> , <b>2018</b> , 8, 7399	4.9	104

224	Exceedingly biocompatible and thin-layered reduced graphene oxide nanosheets using an eco-friendly mushroom extract strategy. <i>International Journal of Nanomedicine</i> , <b>2015</b> , 10, 1505-19	7.3	99
223	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> , <b>2014</b> , 4, 5305	4.9	98
222	Photocatalytic study of two-dimensional ZnO nanopellets in the decomposition of methylene blue. <i>Chemical Engineering Journal</i> , <b>2010</b> , 158, 345-352	14.7	95
221	Fabrication of flexible polypyrrole/graphene oxide/manganese oxide supercapacitor. <i>International Journal of Energy Research</i> , <b>2015</b> , 39, 344-355	4.5	91
220	Highly efficient preparation of ZnO nanorods decorated reduced graphene oxide nanocomposites. <i>Materials Letters</i> , <b>2012</b> , 80, 9-12	3.3	91
219	Facile synthesis of graphene oxide-silver nanocomposite and its modified electrode for enhanced electrochemical detection of nitrite ions. <i>Talanta</i> , <b>2015</b> , 144, 908-14	6.2	88
218	Potentiostatically deposited polypyrrole/graphene decorated nano-manganese oxide ternary film for supercapacitors. <i>Ceramics International</i> , <b>2014</b> , 40, 3855-3864	5.1	82
217	Enhanced photovoltaic performance of silver@titania plasmonic photoanode in dye-sensitized solar cells. <i>RSC Advances</i> , <b>2014</b> , 4, 38111-38118	3.7	80
216	Amalgamation based optical and colorimetric sensing of mercury(II) ions with silver@graphene oxide nanocomposite materials. <i>Mikrochimica Acta</i> , <b>2016</b> , 183, 369-377	5.8	78
215	Room temperature in situ chemical synthesis of Fe <sub>3</sub> O <sub>4</sub> /graphene. <i>Ceramics International</i> , <b>2012</b> , 38, 6411-6416	5.4	78
214	Potential active materials for photo-supercapacitor: A review. <i>Journal of Power Sources</i> , <b>2015</b> , 296, 169-185	18.5	77
213	Hydrothermal preparation of high saturation magnetization and coercivity cobalt ferrite nanocrystals without subsequent calcination. <i>Materials Chemistry and Physics</i> , <b>2010</b> , 120, 31-35	4.4	77
212	Simple and scalable preparation of reduced graphene oxide/silver nanocomposites via rapid thermal treatment. <i>Materials Letters</i> , <b>2012</b> , 89, 180-183	3.3	75
211	Heterogeneous Seeded Growth: Synthesis and Characterization of Bifunctional Fe <sub>3</sub> O <sub>4</sub> /ZnO Core/Shell Nanocrystals. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 8212-8218	3.8	75
210	Size and crystallinity-dependent magnetic properties of CoFe <sub>2</sub> O <sub>4</sub> nanocrystals. <i>Ceramics International</i> , <b>2010</b> , 36, 605-609	5.1	74
209	Preparation of highly water dispersible functional graphene/silver nanocomposite for the detection of melamine. <i>Sensors and Actuators B: Chemical</i> , <b>2013</b> , 181, 885-893	8.5	69
208	Silver@graphene oxide nanocomposite-based optical sensor platform for biomolecules. <i>RSC Advances</i> , <b>2015</b> , 5, 17809-17816	3.7	69
207	Electrodeposition of Polypyrrole and Reduced Graphene Oxide onto Carbon Bundle Fibre as Electrode for Supercapacitor. <i>Nanoscale Research Letters</i> , <b>2017</b> , 12, 246	5	67

206	Effect of electropolymerization potential on the preparation of PEDOT/graphene oxide hybrid material for supercapacitor application. <i>Electrochimica Acta</i> , <b>2016</b> , 188, 785-792	6.7	67
205	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> , <b>2014</b> , 4, 36401-36411	3.7	66
204	Enhanced electrocatalytic performance of cobalt oxide nanocubes incorporating reduced graphene oxide as a modified platinum electrode for methanol oxidation. <i>RSC Advances</i> , <b>2014</b> , 4, 62793-62801	3.7	65
203	One-step size-controlled synthesis of functional graphene oxide/silver nanocomposites at room temperature. <i>Chemical Engineering Journal</i> , <b>2013</b> , 219, 217-224	14.7	65
202	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> , <b>2015</b> , 182, 1113-1122	5.8	63
201	Facile hydrothermal preparation of titanium dioxide decorated reduced graphene oxide nanocomposite. <i>International Journal of Nanomedicine</i> , <b>2012</b> , 7, 3379-87	7.3	61
200	A review on visible-light induced photoelectrochemical sensors based on CdS nanoparticles. <i>Journal of Materials Chemistry B</i> , <b>2018</b> , 6, 4551-4568	7.3	61
199	Advancement on Lead-Free Organic-Inorganic Halide Perovskite Solar Cells: A Review. <i>Materials</i> , <b>2018</b> , 11,	3.5	59
198	Sucrose ester micellar-mediated synthesis of Ag nanoparticles and the antibacterial properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2010</b> , 353, 69-76	5.1	59
197	Graphene/SnO <sub>2</sub> nanocomposite-modified electrode for electrochemical detection of dopamine. <i>Sensing and Bio-Sensing Research</i> , <b>2015</b> , 5, 42-49	3.3	58
196	Graphene-based ternary composites for supercapacitors. <i>International Journal of Energy Research</i> , <b>2018</b> , 42, 2104-2116	4.5	58
195	Polypyrrole/graphene composite films synthesized via potentiostatic deposition. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 128, 224-229	2.9	58
194	Facile synthesis of Au@TiO <sub>2</sub> nanocomposite and its application as a photoanode in dye-sensitized solar cells. <i>RSC Advances</i> , <b>2015</b> , 5, 44398-44407	3.7	58
193	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> , <b>2014</b> , 4, 48236-48244	3.7	56
192	Microwave Synthesis of Zinc Oxide/Reduced Graphene Oxide Hybrid for Adsorption-Photocatalysis Application. <i>International Journal of Photoenergy</i> , <b>2014</b> , 2014, 1-8	2.1	56
191	UV assisted synthesis of silver nanoparticles in chitosan solution and the antibacterial properties. <i>Chemical Engineering Journal</i> , <b>2009</b> , 155, 499-507	14.7	56
190	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> , <b>2016</b> , 120, 22202-22214	3.8	56
189	One-pot hydrothermal synthesis and characterization of FeS <sub>2</sub> (pyrite)/graphene nanocomposite. <i>Chemical Engineering Journal</i> , <b>2013</b> , 218, 276-284	14.7	55

188	Preparation and characterization of polypyrrole/graphene nanocomposite films and their electrochemical performance. <i>Journal of Polymer Research</i> , <b>2013</b> , 20, 1	2.7	54
187	A gold nanorod-based localized surface plasmon resonance platform for the detection of environmentally toxic metal ions. <i>Analyst, The</i> , <b>2015</b> , 140, 2540-55	5	54
186	Horseradish peroxidase-labeled silver/reduced graphene oxide thin film-modified screen-printed electrode for detection of carcinoembryonic antigen. <i>Biosensors and Bioelectronics</i> , <b>2017</b> , 89, 673-680	11.8	53
185	Hydrothermal synthesis of CuO/functionalized graphene nanocomposites for dye degradation. <i>Materials Letters</i> , <b>2013</b> , 93, 393-396	3.3	53
184	Silver/graphene nanocomposite-modified optical fiber sensor platform for ethanol detection in water medium. <i>Sensors and Actuators B: Chemical</i> , <b>2015</b> , 206, 119-125	8.5	52
183	Potentiostatic and galvanostatic electrodeposition of manganese oxide for supercapacitor application: A comparison study. <i>Current Applied Physics</i> , <b>2015</b> , 15, 1143-1147	2.6	51
182	Fabrication of graphene/gold-modified screen-printed electrode for detection of carcinoembryonic antigen. <i>Materials Science and Engineering C</i> , <b>2016</b> , 58, 666-74	8.3	49
181	Electrochemical properties of free-standing polypyrrole/graphene oxide/zinc oxide flexible supercapacitor. <i>International Journal of Energy Research</i> , <b>2015</b> , 39, 111-119	4.5	49
180	Titania@gold plasmonic nanoarchitectures: An ideal photoanode for dye-sensitized solar cells. <i>Renewable and Sustainable Energy Reviews</i> , <b>2016</b> , 60, 408-420	16.2	48
179	Review of biodegradable synthetic-based drilling fluid: Progression, performance and future prospect. <i>Renewable and Sustainable Energy Reviews</i> , <b>2018</b> , 90, 171-186	16.2	46
178	Sonochemical synthesis of reduced graphene oxide uniformly decorated with hierarchical ZnS nanospheres and its enhanced photocatalytic activities. <i>RSC Advances</i> , <b>2015</b> , 5, 12726-12735	3.7	46
177	Tunable Open Circuit Voltage by Engineering Inorganic Cesium Lead Bromide/Iodide Perovskite Solar Cells. <i>Scientific Reports</i> , <b>2018</b> , 8, 2482	4.9	45
176	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> , <b>2016</b> , 304, 400-8	12.8	45
175	Electrochemical detection of uric acid via uricase-immobilized graphene oxide. <i>Analytical Biochemistry</i> , <b>2016</b> , 509, 135-141	3.1	44
174	Electro-exfoliating graphene from graphite for direct fabrication of supercapacitor. <i>Applied Surface Science</i> , <b>2016</b> , 360, 213-223	6.7	44
173	Reduced graphene oxide/Titania nanocomposite-modified photoanode for efficient dye-sensitized solar cells. <i>International Journal of Energy Research</i> , <b>2015</b> , 39, 812-824	4.5	44
172	Application of polypyrrole multi-walled carbon nanotube composite layer for detection of mercury, lead and iron ions using surface plasmon resonance technique. <i>PLoS ONE</i> , <b>2014</b> , 9, e93962	3.7	43
171	Gold-silver@TiO nanocomposite-modified plasmonic photoanodes for higher efficiency dye-sensitized solar cells. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 1395-1407	3.6	40

170	Microwave assisted growth of stannous ferrite microcubes as electrodes for potentiometric nonenzymatic H <sub>2</sub> O <sub>2</sub> sensor and supercapacitor applications. <i>Electrochimica Acta</i> , <b>2016</b> , 217, 139-149	6.7	40
169	Electrodeposition of Polypyrrole/Reduced Graphene Oxide/Iron Oxide Nanocomposite as Supercapacitor Electrode Material. <i>Journal of Nanomaterials</i> , <b>2013</b> , 2013, 1-6	3.2	39
168	Fiber Bragg grating assisted surface plasmon resonance sensor with graphene oxide sensing layer. <i>Optics Communications</i> , <b>2016</b> , 380, 260-266	2	38
167	Preparation and characterization of tin oxide, SnO <sub>2</sub> nanoparticles decorated graphene. <i>Ceramics International</i> , <b>2012</b> , 38, 4209-4216	5.1	38
166	Aminopyrene functionalized reduced graphene oxide as a supercapacitor electrode. <i>RSC Advances</i> , <b>2015</b> , 5, 38111-38116	3.7	37
165	Electrochemical Performance of Supercapacitor with Stacked Copper Foils Coated with Graphene Nanoplatelets. <i>Scientific Reports</i> , <b>2018</b> , 8, 3093	4.9	37
164	Sol-gel hydrothermal synthesis of bismuthTiO <sub>2</sub> nanocubes for dye-sensitized solar cell. <i>Ceramics International</i> , <b>2010</b> , 36, 2215-2220	5.1	37
163	Preparations, Properties, and Applications of Polyaniline and Polyaniline Thin Films-A Review. <i>Polymers</i> , <b>2021</b> , 13,	4.5	37
162	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> , <b>2016</b> , 46, 655-666	2.6	37
161	High-Performance Supercapacitor Based on Three-Dimensional Hierarchical rGO/Nickel Cobaltite Nanostructures as Electrode Materials. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 21202-21210	3.8	36
160	Dual functional reduced graphene oxide as photoanode and counter electrode in dye-sensitized solar cells and its exceptional efficiency enhancement. <i>Journal of Power Sources</i> , <b>2015</b> , 293, 712-720	8.9	36
159	Photovoltaic performances of mono- and mixed-halide structures for perovskite solar cell: A review. <i>Renewable and Sustainable Energy Reviews</i> , <b>2018</b> , 90, 248-274	16.2	35
158	Electrochemical properties of PVA/GO/PEDOT nanofibers prepared using electrospinning and electropolymerization techniques. <i>RSC Advances</i> , <b>2016</b> , 6, 17720-17727	3.7	35
157	Cesium Lead Halide Inorganic-Based Perovskite-Sensitized Solar Cell for Photo-Supercapacitor Application under High Humidity Condition. <i>ACS Applied Energy Materials</i> , <b>2018</b> , 1, 692-699	6.1	34
156	Microwave synthesis of magnetically separable ZnFe <sub>2</sub> O <sub>4</sub> -reduced graphene oxide for wastewater treatment. <i>Ceramics International</i> , <b>2014</b> , 40, 7057-7065	5.1	34
155	High performance magnetically separable graphene/zinc oxide nanocomposite. <i>Materials Letters</i> , <b>2013</b> , 93, 411-414	3.3	34
154	Graphene/polypyrrole-coated carbon nanofiber core-shell architecture electrode for electrochemical capacitors. <i>RSC Advances</i> , <b>2015</b> , 5, 12692-12699	3.7	34
153	Hybrid silver nanoparticle/nanocluster-decorated polypyrrole for high-performance supercapacitors. <i>RSC Advances</i> , <b>2015</b> , 5, 75442-75450	3.7	33

152	Synthesis and Characterization of Polyaniline/Graphene Composite Nanofiber and Its Application as an Electrochemical DNA Biosensor for the Detection of Mycobacterium tuberculosis. <i>Sensors</i> , <b>2017</b> , 17,	3.8	33
151	Reflectance response of tapered optical fiber coated with graphene oxide nanostructured thin film for aqueous ethanol sensing. <i>Optics Communications</i> , <b>2014</b> , 331, 320-324	2	32
150	Green gelatine-assisted sol-gel synthesis of ultrasmall nickel oxide nanoparticles. <i>Ceramics International</i> , <b>2013</b> , 39, 3909-3914	5.1	32
149	Room temperature ammonia sensor using side-polished optical fiber coated with graphene/polyaniline nanocomposite. <i>Optical Materials Express</i> , <b>2017</b> , 7, 1858	2.6	32
148	Electrochemical sensor based on gold nanoparticles/ethylenediamine-reduced graphene oxide for trace determination of fenitrothion in water. <i>RSC Advances</i> , <b>2016</b> , 6, 89430-89439	3.7	32
147	A three-electrode integrated photo-supercapacitor utilizing graphene-based intermediate bifunctional electrode. <i>Electrochimica Acta</i> , <b>2017</b> , 238, 178-184	6.7	31
146	Synthesis of nitrogen-doped reduced graphene oxide-multiwalled carbon nanotube composite on nickel foam as electrode for high-performance supercapacitor. <i>Ceramics International</i> , <b>2017</b> , 43, 20-27	5.1	31
145	Three-dimensional flower-like brushite crystals prepared from high internal phase emulsion for drug delivery application. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2009</b> , 345, 211-218	5.1	31
144	Enhanced biocatalytic esterification with lipase-immobilized chitosan/graphene oxide beads. <i>PLoS ONE</i> , <b>2014</b> , 9, e104695	3.7	30
143	Hematite nanoparticles-modified electrode based electrochemical sensing platform for dopamine. <i>Scientific World Journal, The</i> , <b>2014</b> , 2014, 396135	2.2	30
142	Effects of Temperature on Electrochemical Properties of Bismuth Oxide/Manganese Oxide Pseudocapacitor. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2018</b> , 57, 2146-2154	3.9	29
141	Silver/titania nanocomposite-modified photoelectrodes for photoelectrocatalytic methanol oxidation. <i>International Journal of Hydrogen Energy</i> , <b>2014</b> , 39, 14720-14729	6.7	29
140	Titanium dioxide-reduced graphene oxide thin film for photoelectrochemical water splitting. <i>Ceramics International</i> , <b>2014</b> , 40, 15159-15165	5.1	29
139	Cadmium Sulphide-Reduced Graphene Oxide-Modified Photoelectrode-Based Photoelectrochemical Sensing Platform for Copper(II) Ions. <i>PLoS ONE</i> , <b>2016</b> , 11, e0154557	3.7	29
138	In-situ surface functionalization of superparamagnetic reduced graphene oxide [Fe <sub>3</sub> O <sub>4</sub> ] nanocomposite via Ganoderma lucidum extract for targeted cancer therapy application. <i>Applied Surface Science</i> , <b>2020</b> , 512, 145738	6.7	28
137	Aerosol-assisted chemical vapor deposition of metal oxide thin films for photoelectrochemical water splitting. <i>International Journal of Hydrogen Energy</i> , <b>2015</b> , 40, 2115-2131	6.7	28
136	Effect of hydrothermal growth time on ZnO nanorod arrays photoelectrode performance. <i>Optik</i> , <b>2016</b> , 127, 111111-111118	2.5	28
135	Optimizing Reduced Graphene Oxide Aerogel for a Supercapacitor. <i>Energy &amp; Fuels</i> , <b>2021</b> , 35, 4559-4569	4.6	28

134	Facile synthesis of nanosized graphene/Nafion hybrid materials and their application in electrochemical sensing of nitric oxide. <i>Analytical Methods</i> , <b>2015</b> , 7, 3537-3544	3.2	27
133	Aerosol assisted chemical vapour deposited (AACVD) of TiO <sub>2</sub> thin film as compact layer for dye-sensitised solar cell. <i>Ceramics International</i> , <b>2014</b> , 40, 8045-8052	5.1	26
132	Production of Conductive PEDOT-Coated PVA-GO Composite Nanofibers. <i>Nanoscale Research Letters</i> , <b>2017</b> , 12, 113	5	25
131	Electrospun nanofiber membranes as ultrathin flexible supercapacitors. <i>RSC Advances</i> , <b>2017</b> , 7, 12033-12040	5.7	25
130	Effect of pH on morphology and supercapacitive properties of manganese oxide/polypyrrole nanocomposite. <i>Applied Surface Science</i> , <b>2015</b> , 357, 479-486	6.7	25
129	Functionalized graphene oxide-reinforced electrospun carbon nanofibers as ultrathin supercapacitor electrode. <i>Journal of Energy Chemistry</i> , <b>2017</b> , 26, 790-798	12	24
128	Capacitive Performance of Graphene-based Asymmetric Supercapacitor. <i>Electrochimica Acta</i> , <b>2017</b> , 229, 173-182	6.7	23
127	Modification of polypropylene filter with metal oxide and reduced graphene oxide for water treatment. <i>Ceramics International</i> , <b>2014</b> , 40, 6927-6936	5.1	22
126	Reduced Graphene Oxide/Maghemite Nanocomposite for Detection of Hydrocarbon Vapor Using Surface Plasmon Resonance. <i>IEEE Photonics Journal</i> , <b>2016</b> , 8, 1-9	1.8	22
125	Effects of the surface modification of carbon fiber by growing different types of carbon nanomaterials on the mechanical and thermal properties of polypropylene. <i>RSC Advances</i> , <b>2015</b> , 5, 28822-28831	3.7	21
124	Fabrication and characterization of 1D brushite nanomaterials via sucrose ester reverse microemulsion. <i>Ceramics International</i> , <b>2009</b> , 35, 2891-2897	5.1	21
123	Gold nanoparticle-decorated reduced-graphene oxide targeting anti hepatitis B virus core antigen. <i>Bioelectrochemistry</i> , <b>2018</b> , 122, 199-205	5.6	20
122	Hydrous ferric oxide-magnetite-reduced graphene oxide nanocomposite for optical detection of arsenic using surface plasmon resonance. <i>Optics and Laser Technology</i> , <b>2019</b> , 111, 417-423	4.2	20
121	Boosting the supercapacitive properties of polypyrrole with chitosan and hybrid silver nanoparticles/nanoclusters. <i>RSC Advances</i> , <b>2016</b> , 6, 88925-88933	3.7	19
120	Synergistic Enhancement of Ternary Poly(3,4-ethylenedioxythiophene)/Graphene Oxide/Manganese Oxide Composite as a Symmetrical Electrode for Supercapacitors. <i>Energies</i> , <b>2018</b> , 11, 1510	3.1	19
119	Catalyst-assisted electrochemical deposition of graphene decorated polypyrrole nanoparticles film for high-performance supercapacitor. <i>RSC Advances</i> , <b>2014</b> , 4, 56445-56454	3.7	19
118	Surface Modification of Aerosol-Assisted CVD Produced TiO <sub>2</sub> Thin Film for Dye Sensitised Solar Cell. <i>International Journal of Photoenergy</i> , <b>2014</b> , 2014, 1-12	2.1	19
117	Hydrothermal deposition of CdS on vertically aligned ZnO nanorods for photoelectrochemical solar cell application. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2016</b> , 27, 7353-7360	2.1	19

116	Ultrasonic Assisted Synthesis of Size-Controlled Cu-Metal-Organic Framework Decorated Graphene Oxide Composite: Sustainable Electrocatalyst for the Trace-Level Determination of Nitrite in Environmental Water Samples. <i>ACS Omega</i> , <b>2020</b> , 5, 14242-14253	3.9	18
115	Improvement of Anticorrosion Coating Properties in Bio-Based Polymer Epoxy Acrylate Incorporated with Nano Zinc Oxide Particles. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 1753-1763	3.9	18
114	Essential role of N and Au on TiO <sub>2</sub> as photoanode for efficient dye-sensitized solar cells. <i>Solar Energy</i> , <b>2016</b> , 125, 135-145	6.8	18
113	Modified plastic optical fiber with CNT and graphene oxide nanostructured coatings for ethanol liquid sensing. <i>Optics Express</i> , <b>2017</b> , 25, 5509-5520	3.3	18
112	Preparation and characterization of silver nanoparticles-reduced graphene oxide on ITO for immunosensing platform. <i>Sensors and Actuators B: Chemical</i> , <b>2015</b> , 221, 1423-1432	8.5	17
111	Performance stability of solid-state polypyrrole-reduced graphene oxide-modified carbon bundle fiber for supercapacitor application. <i>Electrochimica Acta</i> , <b>2018</b> , 285, 9-15	6.7	17
110	Effect of Temperature and Growth Time on Vertically Aligned ZnO Nanorods by Simplified Hydrothermal Technique for Photoelectrochemical Cells. <i>Materials</i> , <b>2018</b> , 11,	3.5	17
109	How Did Nickel Cobaltite Reinforced Carbon Microfibre Symmetrical Supercapacitor Fare Against A Commercial Supercapacitor?. <i>Electrochimica Acta</i> , <b>2017</b> , 246, 1141-1146	6.7	17
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106	Bulk Production of High-Purity Carbon Nanosphere by Combination of Chemical Vapor Deposition Methods. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , <b>2015</b> , 23, 669-675	1.8	15
105	Microwave exfoliated graphene-based materials for flexible solid-state supercapacitor. <i>Journal of Molecular Structure</i> , <b>2020</b> , 1220, 128710	3.4	15
104	Pulsed electrodeposition of CdS on ZnO nanorods for highly sensitive photoelectrochemical sensing of copper (II) ions. <i>Sustainable Materials and Technologies</i> , <b>2018</b> , 18, e00075	5.3	15
103	Mild Hydrothermal Synthesis of Ni <sub>3</sub> S <sub>2</sub> Nanoparticles. <i>Journal of Nanomaterials</i> , <b>2010</b> , 2010, 1-5	3.2	15
102	Synthesis and characterization of ultra small PbS nanorods in sucrose ester microemulsion. <i>Materials Letters</i> , <b>2009</b> , 63, 500-503	3.3	15
101	Experimental and predicted mechanical properties of Cr <sub>1-x</sub> Al <sub>x</sub> N thin films, at high temperatures, incorporating in situ synchrotron radiation X-ray diffraction and computational modelling. <i>RSC Advances</i> , <b>2017</b> , 7, 22094-22104	3.7	14
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90	Plasmonic silver sandwich structured photoanode and reflective counter electrode enhancing power conversion efficiency of dye-sensitized solar cell. <i>Solar Energy</i> , <b>2021</b> , 215, 403-409	6.8	12
89	Electrospun graphene nanoplatelets-reinforced carbon nanofibers as potential supercapacitor electrode. <i>Materials Letters</i> , <b>2017</b> , 199, 200-203	3.3	11
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84	Effect of heat treatment on photoelectrochemical performance of hydrothermally synthesised Ag <sub>2</sub> S/ZnO nanorods arrays. <i>Chemical Physics Letters</i> , <b>2018</b> , 710, 100-107	2.5	11
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