

# Hong Ngee Lim

## List of Publications by Year in Descending Order

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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	Observation of ionic conductivity on PUA-TBAI-I gel polymer electrolyte.. <i>Scientific Reports</i> , <b>2022</b> , 12, 124	4.9	1
240	Synthesis, Characterisation, and Electrochemical Impedance Spectroscopy Study of Green and Sustainable Polyurethane Acrylate from Jatropha Oil Using a Three Step Process. <i>Pertanika Journal of Science and Technology</i> , <b>2022</b> , 30, 2127-2138	1.1	
239	PES-AgPO/g-CN Mixed Matrix Film Photocatalyst for Degradation of Methyl Orange Dye. <i>Polymers</i> , <b>2021</b> , 13,	4.5	4
238	Preparations, Properties, and Applications of Polyaniline and Polyaniline Thin Films-A Review. <i>Polymers</i> , <b>2021</b> , 13,	4.5	37
237	Enhanced capacitive performance of cathodically reduced titania nanotubes pulsed deposited with MnO as supercapacitor electrode.. <i>RSC Advances</i> , <b>2021</b> , 11, 26700-26709	3.7	1
236	Nonenzymatic dopamine biosensor based on tannin nanocomposite. <i>Journal of Polymer Science</i> , <b>2021</b> , 59, 428-438	2.4	2
235	Synthesis and Optimization of Mesoporous Silica Nanoparticles for Ruthenium Polypyridyl Drug Delivery. <i>Pharmaceutics</i> , <b>2021</b> , 13,	6.4	3
234	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
233	Optimizing Reduced Graphene Oxide Aerogel for a Supercapacitor. <i>Energy &amp; Fuels</i> , <b>2021</b> , 35, 4559-4569	4.6	28
232	Aluminium MOF fabricated electrochemical sensor for the ultra-sensitive detection of hydroquinone in water samples. <i>Journal of Electroanalytical Chemistry</i> , <b>2021</b> , 883, 115067	4.1	6
231	Tunable electrochemical behavior of dicarboxylic acids anchored Co-MOF: Sensitive determination of rutin in pharmaceutical samples. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2021</b> , 622, 126667	5.1	8
230	High temperature (up to 1200°C) thermal-mechanical stability of Si and Ni doped CrN framework coatings. <i>Journal of Materials Research and Technology</i> , <b>2021</b> , 14, 2406-2419	5.5	1
229	Hierarchical nickel-based metal-organic framework/graphene oxide incorporated graphene nanoplatelet electrode with exceptional cycling stability for coin cell and pouch cell supercapacitors. <i>Journal of Energy Storage</i> , <b>2021</b> , 43, 103304	7.8	4
228	Wavelength Dependent Graphene Oxide-Based Optical Microfiber Sensor for Ammonia Gas. <i>Sensors</i> , <b>2021</b> , 21,	3.8	6
227	Surface Plasmon Resonance Sensor to Detect n-Hexane in Palm Kernel Oil Using Polypyrrole Nanoparticles Reduced Graphene Oxide Layer. <i>Journal of Sensors</i> , <b>2021</b> , 2021, 1-13	2	2
226	Metal oxide-metal-organic framework nanocomposite-modified electrochemical sensors for toxic chemicals <b>2021</b> , 313-343		
225	Effect of Heat Treatment on Electrodeposited ZnSe on Vertically Aligned ZnO Nanorods for Photoelectrochemical Cell. <i>Solid State Phenomena</i> , <b>2020</b> , 307, 179-184	0.4	

224	Study the Effect of the Heat Treatment on the Photoelectrochemical Performance of Binary Heterostructured Photoanode Ag <sub>2</sub> S/ ZnO Nanorod Arrays in Photoelectrochemical Cells. <i>Materials Science Forum</i> , <b>2020</b> , 1002, 187-199	0.4	4
223	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
222	Mixed Matrix Membrane Tip Extraction Coupled with UPLC/MS/MS for the Monitoring of Nonsteroidal Anti-Inflammatory Drugs in Water Samples. <i>Separations</i> , <b>2020</b> , 7, 19	3.1	6
221	Microwave exfoliated graphene-based materials for flexible solid-state supercapacitor. <i>Journal of Molecular Structure</i> , <b>2020</b> , 1220, 128710	3.4	15
220	Performance Analysis of Jatropha Oil-Based Polyurethane Acrylate Gel Polymer Electrolyte for Dye-Sensitized Solar Cells. <i>ACS Omega</i> , <b>2020</b> , 5, 14267-14274	3.9	4
219	Electrochemically Reduced Titania Nanotube Synthesized from Glycerol-Based Electrolyte as Supercapacitor Electrode. <i>Energies</i> , <b>2020</b> , 13, 2767	3.1	5
218	Co-pyrolysis of polyethylene with products from thermal decomposition of brominated flame retardants. <i>Chemosphere</i> , <b>2020</b> , 254, 126766	8.4	4
217	Scavenger-free and self-powered photocathodic sensing system for aqueous hydrogen peroxide monitoring by CuO/ZnO nanostructure. <i>Chemical Engineering Science</i> , <b>2020</b> , 226, 115886	4.4	6
216	Process intensification of 2-ethylhexyl caprylate/caprate synthesis via a pulsed loop reactor: Multi-objective optimization. <i>Chemical Engineering and Processing: Process Intensification</i> , <b>2020</b> , 149, 107837	3.7	0
215	Automated Mixed Matrix Membrane Microextraction Prior to Liquid Chromatography for the Determination of Chlorophenoxy Acid Herbicides in Sewage Water Samples. <i>Chromatographia</i> , <b>2020</b> , 83, 497-505	2.1	1
214	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
213	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
212	Bismuth sulphide decorated ZnO nanorods heterostructure assembly via controlled SILAR cationic concentration for enhanced photoelectrochemical cells. <i>Materials Research Express</i> , <b>2020</b> , 7, 025510	1.7	0
211	Negative Potential-Induced Growth of Surfactant-Free CuO Nanostructures on an Al <sub>2</sub> O <sub>3</sub> Substrate: A Dual In-Line Sensor for Biomarkers of Diabetes and Oxidative Stress. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 2640-2651	8.3	8
210	Selective and sensitive visible-light-prompt photoelectrochemical sensor of Cu based on CdS nanorods modified with Au and graphene quantum dots. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 391, 122248	12.8	14
209	Surface plasmon resonance sensor based on D-shaped optical fiber using fiberbench rotating wave plate for sensing pb ions. <i>Optik</i> , <b>2020</b> , 202, 163724	2.5	7
208	Physico-chemical properties of CrMoN coatings - combined experimental and computational studies. <i>Thin Solid Films</i> , <b>2020</b> , 693, 137671	2.2	4
207	Electrochemical Scaffold Based on Silver Phosphate Nanoparticles for the Quantification of Acetaminophen in Body Fluids and Pharmaceutical Formulations. <i>ACS Applied Nano Materials</i> , <b>2020</b> , 3, 1213-1222	5.6	5

206	In-situ formation of electron acceptor to inhibit charge separation of photo-electrochemical sensor of dopamine-based CdS/Au/GQDs. <i>Electrochimica Acta</i> , <b>2020</b> , 360, 137013	6.7	8
205	Effect of Annealing Temperature on the Performance of ZnO Seed Layer for Photoanode in Photoelectrochemical Cells. <i>Defect and Diffusion Forum</i> , <b>2020</b> , 398, 156-166	0.7	1
204	Enhanced photoelectrochemical performance of Bi <sub>2</sub> S <sub>3</sub> /Ag <sub>2</sub> S/ZnO novel ternary heterostructure nanorods. <i>Arabian Journal of Chemistry</i> , <b>2020</b> , 13, 9166-9178	5.9	5
203	Photovoltaic performance of bipyridine and dipyrrophenazine ligands anchored ruthenium complex sensitizers for efficient dye-sensitized solar cells. <i>Solid State Sciences</i> , <b>2020</b> , 107, 106368	3.4	4
202	High Sensitivity Microfiber Interferometer Sensor in Aqueous Solution. <i>Sensors</i> , <b>2020</b> , 20,	3.8	4
201	Ultrasonic synthesis of CeO@organic dye nanohybrid: Environmentally benign rapid electrochemical sensing platform for carcinogenic pollutant in water samples. <i>Ultrasonics Sonochemistry</i> , <b>2020</b> , 61, 104828	8.9	14
200	Synthesis of Binary Bi <sub>2</sub> S <sub>3</sub> /ZnO Nanorod Array Heterostructure and Their Photoelectrochemical Performance. <i>Journal of Nanomaterials</i> , <b>2019</b> , 2019, 1-10	3.2	9
199	In vitro apatite mineralization and heat generation of magnetite-reduced graphene oxide nanocomposites for hyperthermia treatment. <i>Materials Science and Engineering C</i> , <b>2019</b> , 99, 68-72	8.3	6
198	Performance of Ionic Transport Properties in Vegetable Oil-Based Polyurethane Acrylate Gel Polymer Electrolyte. <i>ACS Omega</i> , <b>2019</b> , 4, 2554-2564	3.9	13
197	Ultrasonic synthesis of CuO nanoflakes: A robust electrochemical scaffold for the sensitive detection of phenolic hazard in water and pharmaceutical samples. <i>Ultrasonics Sonochemistry</i> , <b>2019</b> , 58, 104649	8.9	11
196	Cellulose acetate beads modified with cadmium sulfide and Methylene blue for adsorbent-assisted photoelectrochemical detection of copper(II) ions. <i>Mikrochimica Acta</i> , <b>2019</b> , 186, 452	5.8	6
195	Hydrostatic bath synthesis of conductive polypyrrole/reduced graphene oxide aerogel as compression sensor. <i>European Polymer Journal</i> , <b>2019</b> , 117, 227-235	5.2	10
194	Improving the electrical conductivity of carbon fiber reinforced epoxy composite using reduced graphene oxide. <i>Materials Research Express</i> , <b>2019</b> , 6, 065607	1.7	10
193	Effect of Ag on the Mechanical Properties of Bi/Ag Solder Alloys by the Single-Lap Shear Test Method. <i>Minerals, Metals and Materials Series</i> , <b>2019</b> , 645-653	0.3	1
192	Ag <sub>2</sub> S/ZnO Nanorods Composite Photoelectrode Prepared by Hydrothermal Method: Influence of Growth Temperature. <i>Optik</i> , <b>2019</b> , 184, 473-479	2.5	11
191	Synthesis and characterization of graphene oxide-molecularly imprinted polymer for Neopterin adsorption study. <i>Journal of Polymer Research</i> , <b>2019</b> , 26, 1	2.7	5
190	Effect of Sodium Hydroxide Concentration in Synthesizing Zinc Selenide/Graphene Oxide Composite via Microwave-Assisted Hydrothermal Method. <i>Materials</i> , <b>2019</b> , 12,	3.5	6
189	Optical and Thermal Properties of Laser-Ablated Platinum Nanoparticles Graphene Oxide Composite. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	8

188	Novel poly(3,4-ethylenedioxythiophene)/reduced graphene oxide incorporated with manganese oxide/iron oxide for supercapacitor device. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 1458-1467	2.1	8
187	Functionalization of Graphene for Nanodelivery of Drugs <b>2019</b> , 157-176		2
186	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
185	High-performance symmetrical supercapacitor based on poly(3,4)-ethylenedioxythiophene/graphene oxide/iron oxide ternary composite. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 6916-6923	2.1	10
184	Theoretical and experimental models for the synthesis of single-walled carbon nanotubes and their electrochemical properties. <i>Journal of Applied Electrochemistry</i> , <b>2018</b> , 48, 287-304	2.6	1
183	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
182	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
181	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
180	Electrochemical Performance of Supercapacitor with Stacked Copper Foils Coated with Graphene Nanoplatelets. <i>Scientific Reports</i> , <b>2018</b> , 8, 3093	4.9	37
179	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
178	Graphene-based ternary composites for supercapacitors. <i>International Journal of Energy Research</i> , <b>2018</b> , 42, 2104-2116	4.5	58
177	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
176	Polypyrrole/tannin biobased nanocomposite with enhanced electrochemical and physical properties.. <i>RSC Advances</i> , <b>2018</b> , 8, 2978-2985	3.7	12
175	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
174	Enhancement of Capacitive Performance in Titania Nanotubes Modified by an Electrochemical Reduction Method. <i>Journal of Nanomaterials</i> , <b>2018</b> , 2018, 1-9	3.2	11
173	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
172	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
171	Effect of electrolytes on the electrochemical performance of nickel cobaltite/titania nanotubes composites as supercapacitive materials. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 14445-14454	2.1	4

170	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
169	Advancement on Lead-Free Organic-Inorganic Halide Perovskite Solar Cells: A Review. <i>Materials</i> , <b>2018</b> , 11,	3.5	59
168	Electrical properties of graphene film for counter electrode in dye sensitized solar cells <b>2018</b> ,		2
167	Three-Dimensional Printed Electrode and Its Novel Applications in Electronic Devices. <i>Scientific Reports</i> , <b>2018</b> , 8, 7399	4.9	104
166	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
165	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
164	Dengue E Protein Detection Using a Graphene Oxide Integrated Tapered Optical Fiber Sensor. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2018</b> , 1-1	3.8	10
163	Visible light-active hybrid film photocatalyst of polyethersulfone/reduced TiO <sub>2</sub> : photocatalytic response and radical trapping investigation. <i>Journal of Materials Science</i> , <b>2018</b> , 53, 13264-13279	4.3	12
162	Development of Organo-Dispersible Graphene Oxide via Pseudo-Surface Modification for Thermally Conductive Green Polymer Composites. <i>ACS Omega</i> , <b>2018</b> , 3, 18124-18131	3.9	6
161	Reduced Graphene Oxide/Maghemite Nanocomposite for Detection of Lead Ions in Water Using Surface Plasmon Resonance. <i>IEEE Photonics Journal</i> , <b>2018</b> , 10, 1-10	1.8	10
160	Fabrication of CdSe nanoparticles sensitized TiO <sub>2</sub> nanotube arrays via pulse electrodeposition for photoelectrochemical application. <i>Materials Research Bulletin</i> , <b>2018</b> , 106, 257-262	5.1	13
159	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
158	Capacitive performance of vertically aligned reduced titania nanotubes coated with MnO by reverse pulse electrodeposition.. <i>RSC Advances</i> , <b>2018</b> , 8, 23040-23047	3.7	5
157	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
156	Capacitive Performance of Graphene-based Asymmetric Supercapacitor. <i>Electrochimica Acta</i> , <b>2017</b> , 229, 173-182	6.7	23
155	Enhanced photoelectrochemical performance of ZnO nanorod arrays decorated with CdS shell and Ag <sub>2</sub> S quantum dots. <i>Superlattices and Microstructures</i> , <b>2017</b> , 103, 295-303	2.8	12
154	Production of Conductive PEDOT-Coated PVA-GO Composite Nanofibers. <i>Nanoscale Research Letters</i> , <b>2017</b> , 12, 113	5	25
153	Electrospun nanofiber membranes as ultrathin flexible supercapacitors. <i>RSC Advances</i> , <b>2017</b> , 7, 12033-12040	3.7	25



152	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
151	Electrospun graphene nanoplatelets-reinforced carbon nanofibers as potential supercapacitor electrode. <i>Materials Letters</i> , <b>2017</b> , 199, 200-203	3.3	11
150	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
149	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
148	Photocurrent enhancement of heat treated CdSe-sensitized titania nanotube photoelectrode. <i>Optical and Quantum Electronics</i> , <b>2017</b> , 49, 1	2.4	5
147	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
146	Gold-silver@TiO <sub>2</sub> 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
145	Voltammetric Determination of Nitrophenol using PEDOT Decorated Graphene Oxide as Composite Film. <i>International Journal of Electrochemical Science</i> , <b>2017</b> , 9432-9444	2.2	5
144	DFT+U and ab initio atomistic thermodynamics approach for mixed transitional metallic oxides: A case study of CoCu <sub>2</sub> O <sub>3</sub> surface terminations. <i>Materials Chemistry and Physics</i> , <b>2017</b> , 201, 241-250	4.4	7
143	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
142	Phenol dissociation on pristine and defective graphene. <i>Surface Science</i> , <b>2017</b> , 657, 10-14	1.8	2
141	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
140	Chemical polymerization and characterization of surfactant directed of polypyrrole-tannin-CTAB nanocomposites <b>2017</b> ,		1
139	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
138	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
137	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
136	Photoactive Hybrid Film Photocatalyst of Polyethersulfone-ZnO for the Degradation of Methyl Orange Dye: Kinetic Study and Operational Parameters. <i>Catalysts</i> , <b>2017</b> , 7, 313	4	17
135	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

134	Dynamic response of tapered optical fiber coated with graphene oxide for detecting aqueous ethanol <b>2016</b> ,		3
133	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
132	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
131	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
130	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
129	Electrochemical detection of uric acid via uricase-immobilized graphene oxide. <i>Analytical Biochemistry</i> , <b>2016</b> , 509, 135-141	3.1	44
128	Reduced Graphene Oxide nano-composites layer on fiber optic tip sensor reflectance response for sensing of aqueous ethanol. <i>Journal of the European Optical Society-Rapid Publications</i> , <b>2016</b> , 12,	2.5	7
127	Flexible Graphene-Based Supercapacitors: A Review. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 4153-4172	3.28	407
126	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
125	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
124	Electrochemical deposition of CdSe-sensitized TiO <sub>2</sub> nanotube arrays with enhanced photoelectrochemical performance for solar cell application. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2016</b> , 27, 5204-5210	2.1	11
123	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
122	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
121	Reduced Graphene Oxide Decorated with Polypyrrole Nanoparticles Layer for Detection of Pyrene Using Surface Plasmon Resonance Technique. <i>ECS Journal of Solid State Science and Technology</i> , <b>2016</b> , 5, Q7-Q12	2	6
120	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
119	Electro-exfoliating graphene from graphite for direct fabrication of supercapacitor. <i>Applied Surface Science</i> , <b>2016</b> , 360, 213-223	6.7	44
118	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
117	AUTOMATED WHITE BLOOD CELLS COUNTING SYSTEM FOR ACUTE LEUKEMIA BASED ON BLOOD IMAGES. <i>Jurnal Teknologi (Sciences and Engineering)</i> , <b>2016</b> , 78,	1.2	1



116	Influence of Concentration and Electrodeposition Time on the Electrochemical Supercapacitor Performance of Poly(3,4-Ethylenedioxythiophene)/Graphene Oxide Hybrid Material. <i>Journal of Nanomaterials</i> , <b>2016</b> , 2016, 1-10	3.2	7
115	Optical Band Gap and Thermal Diffusivity of Polypyrrole-Nanoparticles Decorated Reduced Graphene Oxide Nanocomposite Layer. <i>Journal of Nanomaterials</i> , <b>2016</b> , 2016, 1-8	3.2	7
114	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
113	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
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98	Aminopyrene functionalized reduced graphene oxide as a supercapacitor electrode. <i>RSC Advances</i> , <b>2015</b> , 5, 38111-38116	3.7	37
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