

# Lai Chin Wei

## List of Publications by Citations

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225  
papers

4,627  
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31  
h-index

62  
g-index

239  
ext. papers

5,859  
ext. citations

3.5  
avg. IF

6.46  
L-index

#	Paper	IF	Citations
225	Recent developments of zinc oxide based photocatalyst in water treatment technology: A review. <i>Water Research</i> , <b>2016</b> , 88, 428-448	12.5	1284
224	Preparation of high crystallinity cellulose nanocrystals (CNCs) by ionic liquid solvolysis. <i>Biomass and Bioenergy</i> , <b>2015</b> , 81, 584-591	5.3	131
223	Study on the formation and photocatalytic activity of titanate nanotubes synthesized via hydrothermal method. <i>Journal of Alloys and Compounds</i> , <b>2010</b> , 490, 436-442	5.7	102
222	Preparation of hybrid WO <sub>3</sub> /TiO <sub>2</sub> nanotube photoelectrodes using anodization and wet impregnation: Improved water-splitting hydrogen generation performance. <i>International Journal of Hydrogen Energy</i> , <b>2013</b> , 38, 2156-2166	6.7	98
221	Recent developments of graphene-TiO <sub>2</sub> composite nanomaterials as efficient photoelectrodes in dye-sensitized solar cells: A review. <i>Renewable and Sustainable Energy Reviews</i> , <b>2018</b> , 82, 103-125	16.2	94
220	Photocatalytic Water Oxidation on ZnO: A Review. <i>Catalysts</i> , <b>2017</b> , 7, 93	4	91
219	Easy preparation of ultrathin reduced graphene oxide sheets at a high stirring speed. <i>Ceramics International</i> , <b>2015</b> , 41, 5798-5806	5.1	88
218	Advanced Chemical Reduction of Reduced Graphene Oxide and Its Photocatalytic Activity in Degrading Reactive Black 5. <i>Materials</i> , <b>2015</b> , 8, 7118-7128	3.5	80
217	Advanced in developmental organic and inorganic nanomaterial: a review. <i>Bioengineered</i> , <b>2020</b> , 11, 328-355	3.5	75
216	Comprehensive review on nanocellulose: Recent developments, challenges and future prospects. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , <b>2020</b> , 110, 103884	4.1	73
215	Synthesis of Single-layer Graphene: A Review of Recent Development. <i>Procedia Chemistry</i> , <b>2016</b> , 19, 916-921		72
214	Incorporation of WO <sub>3</sub> species into TiO <sub>2</sub> nanotubes via wet impregnation and their water-splitting performance. <i>Electrochimica Acta</i> , <b>2013</b> , 87, 294-302	6.7	69
213	Extremely Fast Growth Rate of TiO <sub>2</sub> Nanotube Arrays in Electrochemical Bath Containing H <sub>2</sub> O <sub>2</sub> . <i>Journal of the Electrochemical Society</i> , <b>2011</b> , 158, C397	3.9	66
212	Application of Efficient Magnetic Particles and Activated Carbon for Dye Removal from Wastewater. <i>ACS Omega</i> , <b>2020</b> , 5, 20684-20697	3.9	62
211	Recent developments in biomass-derived carbon as a potential sustainable material for super-capacitor-based energy storage and environmental applications. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2019</b> , 140, 54-85	6	61
210	Recent developments of strontium titanate for photocatalytic water splitting application. <i>International Journal of Hydrogen Energy</i> , <b>2019</b> , 44, 14316-14340	6.7	54
209	Graphene-based label-free electrochemical aptasensor for rapid and sensitive detection of foodborne pathogen. <i>Analytical and Bioanalytical Chemistry</i> , <b>2017</b> , 409, 6893-6905	4.4	49

208	Study of WO <sub>3</sub> incorporated C-TiO <sub>2</sub> nanotubes for efficient visible light driven water splitting performance. <i>Journal of Alloys and Compounds</i> , <b>2013</b> , 547, 43-50	5.7	47
207	A review of synthesis and morphology of SrTiO <sub>3</sub> for energy and other applications. <i>International Journal of Energy Research</i> , <b>2019</b> , 43, 5151-5174	4.5	43
206	Fabrication of WO <sub>3</sub> nanostructures by anodization method for visible-light driven water splitting and photodegradation of methyl orange. <i>Materials Science in Semiconductor Processing</i> , <b>2013</b> , 16, 303-310	4.3	43
205	Green preparation of reduced graphene oxide using a natural reducing agent. <i>Ceramics International</i> , <b>2015</b> , 41, 9505-9513	5.1	43
204	Carbon Nanomaterial-Based Electrochemical Biosensors for Foodborne Bacterial Detection. <i>Critical Reviews in Analytical Chemistry</i> , <b>2019</b> , 49, 510-533	5.2	42
203	Multiwalled carbon nanotube/TiO <sub>2</sub> nanocomposite as a highly active photocatalyst for photodegradation of Reactive Black 5 dye. <i>Chinese Journal of Catalysis</i> , <b>2014</b> , 35, 2014-2019	11.3	41
202	Preparation and photoelectrochemical characterization of WO <sub>3</sub> -loaded TiO <sub>2</sub> nanotube arrays via radio frequency sputtering. <i>Electrochimica Acta</i> , <b>2012</b> , 77, 128-136	6.7	40
201	Facile one-pot solvothermal method to synthesize solar active Bi <sub>2</sub> WO <sub>6</sub> for photocatalytic degradation of organic dye. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 801, 502-510	5.7	39
200	A reduced graphene oxide-titanium dioxide nanocomposite based electrochemical aptasensor for rapid and sensitive detection of Salmonella enterica. <i>Bioelectrochemistry</i> , <b>2019</b> , 127, 136-144	5.6	39
199	Formation of TiO <sub>2</sub> nanotubes via anodization and potential applications for photocatalysts, biomedical materials, and photoelectrochemical cell. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2011</b> , 21, 012002	0.4	37
198	Effect of Applied Potential on the Formation of Self-Organized TiO <sub>2</sub> Nanotube Arrays and Its Photoelectrochemical Response. <i>Journal of Nanomaterials</i> , <b>2011</b> , 2011, 1-7	3.2	37
197	Photoelectrochemical Performance of Smooth TiO <sub>2</sub> Nanotube Arrays: Effect of Anodization Temperature and Cleaning Methods. <i>International Journal of Photoenergy</i> , <b>2012</b> , 2012, 1-11	2.1	35
196	Removal of methylene blue dye by solvothermally reduced graphene oxide: a metal-free adsorption and photodegradation method. <i>RSC Advances</i> , <b>2019</b> , 9, 37686-37695	3.7	33
195	Effect of heat treatment on WO <sub>3</sub> -loaded TiO <sub>2</sub> nanotubes for hydrogen generation via enhanced water splitting. <i>Materials Science in Semiconductor Processing</i> , <b>2013</b> , 16, 947-954	4.3	32
194	Porous 3D carbon decorated Fe <sub>3</sub> O <sub>4</sub> nanocomposite electrode for highly symmetrical supercapacitor performance. <i>RSC Advances</i> , <b>2017</b> , 7, 23030-23040	3.7	31
193	An Overview: Recent Development of Titanium Oxide Nanotubes as Photocatalyst for Dye Degradation. <i>International Journal of Photoenergy</i> , <b>2014</b> , 2014, 1-14	2.1	31
192	Facile Synthesis Polyethylene Glycol Coated Magnetite Nanoparticles for High Colloidal Stability. <i>Journal of Nanomaterials</i> , <b>2016</b> , 2016, 1-7	3.2	31
191	Effective photoreduction of graphene oxide for photodegradation of volatile organic compounds. <i>RSC Advances</i> , <b>2019</b> , 9, 18076-18086	3.7	30

190	One-Step Formation of WO <sub>3</sub> -Loaded TiO <sub>2</sub> Nanotubes Composite Film for High Photocatalytic Performance. <i>Materials</i> , <b>2015</b> , 8, 2139-2153	3.5	30
189	Gold nanostars-diagnosis, bioimaging and biomedical applications. <i>Drug Metabolism Reviews</i> , <b>2020</b> , 52, 299-318	7	30
188	Surface modification of reduced graphene oxide film by Ti ion implantation technique for high dye-sensitized solar cells performance. <i>Ceramics International</i> , <b>2017</b> , 43, 625-633	5.1	30
187	Multivariate analysis of photocatalytic-mineralization of Eriochrome Black T dye using ZnO catalyst and UV irradiation. <i>Materials Science in Semiconductor Processing</i> , <b>2015</b> , 39, 40-48	4.3	29
186	Development of hydrophobic reduced graphene oxide as a new efficient approach for photochemotherapy.. <i>RSC Advances</i> , <b>2020</b> , 10, 12851-12863	3.7	28
185	Iron oxide nanoparticles decorated oleic acid for high colloidal stability. <i>Advances in Polymer Technology</i> , <b>2018</b> , 37, 1712-1721	1.9	28
184	Applied bias photon-to-current conversion efficiency of ZnO enhanced by hybridization with reduced graphene oxide. <i>Journal of Energy Chemistry</i> , <b>2017</b> , 26, 302-308	12	28
183	An investigation of the dye-sensitized solar cell performance using graphene-titania (TrGO) photoanode with conventional dye and natural green chlorophyll dye. <i>Materials Science in Semiconductor Processing</i> , <b>2018</b> , 74, 267-276	4.3	28
182	Low-temperature synthesis of TiO <sub>2</sub> nanocrystals for high performance electrochemical supercapacitors. <i>Ceramics International</i> , <b>2019</b> , 45, 4990-5000	5.1	27
181	Fabrication and photocatalysis of nanotubular C-doped TiO <sub>2</sub> arrays: Impact of annealing atmosphere on the degradation efficiency of methyl orange. <i>Materials Science in Semiconductor Processing</i> , <b>2014</b> , 20, 1-6	4.3	26
180	High performance supercapattery with rGO/TiO <sub>2</sub> nanocomposites anode and activated carbon cathode. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 796, 13-24	5.7	25
179	Asymmetric Membranes: A Potential Scaffold for Wound Healing Applications. <i>Symmetry</i> , <b>2020</b> , 12, 1100.7	2.7	23
178	Fe-doped mesoporous anatase-brookite titania in the solar-light-induced photodegradation of Reactive Black 5 dye. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2016</b> , 68, 153-161	5.3	23
177	Synthesis, characterization and comparative study of nano-Ag/TiO <sub>2</sub> against Gram-positive and Gram-negative bacteria under fluorescent light. <i>Food Control</i> , <b>2014</b> , 46, 480-487	6.2	22
176	Study of reduced graphene oxide film incorporated of TiO <sub>2</sub> species for efficient visible light driven dye-sensitized solar cell. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 3819-3836	2.1	22
175	Tunable Band Gap Energy of Mn-Doped ZnO Nanoparticles Using the Coprecipitation Technique. <i>Journal of Nanomaterials</i> , <b>2014</b> , 2014, 1-6	3.2	22
174	Dimensional control of titanium dioxide nanotube arrays with hydrogen peroxide content for high photoelectrochemical water splitting performance. <i>Micro and Nano Letters</i> , <b>2012</b> , 7, 443	0.9	21
173	Synthesis of reduced graphene oxide/tungsten trioxide nanocomposite electrode for high electrochemical performance. <i>Ceramics International</i> , <b>2016</b> , 42, 13128-13135	5.1	21

172	Superior X-ray Radiation Shielding Effectiveness of Biocompatible Polyaniline Reinforced with Hybrid Graphene Oxide-Iron Tungsten Nitride Flakes. <i>Polymers</i> , <b>2020</b> , 12,	4.5	20
171	Synergistic antibacterial actions of graphene oxide and antibiotics towards bacteria and the toxicological effects of graphene oxide on human epidermal keratinocytes. <i>European Journal of Pharmaceutical Sciences</i> , <b>2020</b> , 142, 105087	5.1	20
170	New insights into the photocatalytic endocrine disruptors dimethyl phthalate esters degradation by UV/MWCNTs-TiO <sub>2</sub> nanocomposites. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2018</b> , 364, 177-189	4.7	19
169	Copper-incorporated titania nanotubes for effective lead ion removal. <i>Materials Science in Semiconductor Processing</i> , <b>2014</b> , 26, 620-631	4.3	19
168	Methylene Blue Dye Photocatalytic Degradation over Synthesised FeO/AC/TiO Nano-Catalyst: Degradation and Reusability Studies. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	19
167	Recent Progress in Chemical Composition, Production, and Pharmaceutical Effects of Kombucha Beverage: A Complementary and Alternative Medicine. <i>Evidence-based Complementary and Alternative Medicine</i> , <b>2020</b> , 2020, 4397543	2.3	18
166	An Overview of the Building Energy Management System Considering the Demand Response Programs, Smart Strategies and Smart Grid. <i>Energies</i> , <b>2020</b> , 13, 3299	3.1	18
165	Surface modification and bioactivity of anodic Ti6Al4V alloy. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2013</b> , 13, 1696-705	1.3	17
164	OPTIMIZED SPUTTERING POWER TO INCORPORATE WO <sub>3</sub> INTO CNT/TiO <sub>2</sub> NANOTUBES FOR HIGHLY VISIBLE PHOTORESPONSE PERFORMANCE. <i>Nano</i> , <b>2012</b> , 07, 1250051	1.1	17
163	Enhancement of photocatalytic degradation of Malachite Green using iron doped titanium dioxide loaded on oil palm empty fruit bunch-derived activated carbon. <i>Chemosphere</i> , <b>2021</b> , 272, 129588	8.4	17
162	TiO <sub>2</sub> Nanotubes Supported Cu Nanoparticles for Improving Photocatalytic Degradation of Simazine under UV Illumination. <i>Catalysts</i> , <b>2016</b> , 6, 167	4	17
161	An eco-friendly water-soluble graphene-incorporated agar gel electrolyte for magnesium-air batteries. <i>Ionics</i> , <b>2019</b> , 25, 1291-1301	2.7	17
160	One-pot hydrothermal synthesis of strontium titanate nanoparticles photoelectrode using electrophoretic deposition for enhancing photoelectrochemical water splitting. <i>Ceramics International</i> , <b>2018</b> , 44, 9923-9933	5.1	16
159	Photoelectrochemical behaviour of uniform growth TiO <sub>2</sub> nanotubes via bubble blowing synthesised in ethylene glycol with hydrogen peroxide. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2012</b> , 12, 4057-66	1.3	16
158	Unveiling the enhanced photoelectrochemical and photocatalytic properties of reduced graphene oxide for photodegradation of methylene blue dye.. <i>RSC Advances</i> , <b>2020</b> , 10, 37905-37915	3.7	16
157	Facile Preparation of Highly Crystalline Nanocellulose by Using Ionic Liquid. <i>Advanced Materials Research</i> , <b>2015</b> , 1087, 106-110	0.5	15
156	Facile Synthesis of High Quality Graphene Oxide from Graphite Flakes Using Improved Hummer's Technique. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2015</b> , 15, 6769-73	1.3	15
155	Effect of radio frequency sputtering power on W/TiO <sub>2</sub> nanotubes to improve photoelectrochemical performance. <i>Journal of Materials Research</i> , <b>2012</b> , 27, 1695-1704	2.5	15

154	An Overview: Recent Development of Titanium Dioxide Loaded Graphene Nanocomposite Film for Solar Application. <i>Current Organic Chemistry</i> , <b>2015</b> , 19, 1882-1895	1.7	15
153	Recent Advances in Enzymes for the Bioremediation of Pollutants. <i>Biochemistry Research International</i> , <b>2021</b> , 2021, 5599204	2.4	15
152	The Influence of Lead Concentration on Photocatalytic Reduction of Pb(II) Ions Assisted by Cu-TiO <sub>2</sub> Nanotubes. <i>International Journal of Photoenergy</i> , <b>2014</b> , 2014, 1-7	2.1	14
151	Controllable Electrochemical Synthesis of Reduced Graphene Oxide Thin-Film Constructed as Efficient Photoanode in Dye-Sensitized Solar Cells. <i>Materials</i> , <b>2016</b> , 9,	3.5	14
150	Novel layer-by-layer assembly of rGO-hybridised ZnO sandwich thin films for the improvement of photo-catalysed hydrogen production. <i>Journal of Energy Chemistry</i> , <b>2016</b> , 25, 336-344	12	13
149	Mechanism and Kinetics Study for Photocatalytic Oxidation Degradation: A Case Study for Phenoxyacetic Acid Organic Pollutant. <i>Journal of Nanomaterials</i> , <b>2015</b> , 2015, 1-10	3.2	13
148	Data on cytotoxic and antibacterial activity of synthesized FeO nanoparticles using. <i>Data in Brief</i> , <b>2020</b> , 28, 104929	1.2	13
147	Effect of reduced graphene oxide-hybridized ZnO thin films on the photoinactivation of Staphylococcus aureus and Salmonella enterica serovar Typhi. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>2016</b> , 161, 25-33	6.7	13
146	Impact of TiO <sub>2</sub> Nanotubes' Morphology on the Photocatalytic Degradation of Simazine Pollutant. <i>Materials</i> , <b>2018</b> , 11,	3.5	13
145	An investigation on surface modified TiO <sub>2</sub> incorporated with graphene oxide for dye-sensitized solar cell. <i>Solar Energy</i> , <b>2019</b> , 191, 663-671	6.8	12
144	An investigation on titanium doping in reduced graphene oxide by RF magnetron sputtering for dye-sensitized solar cells. <i>Solar Energy</i> , <b>2019</b> , 188, 10-18	6.8	12
143	A Novel Solar Driven Photocatalyst: Well-Aligned Anodic WO <sub>3</sub> Nanotubes. <i>International Journal of Photoenergy</i> , <b>2013</b> , 2013, 1-6	2.1	12
142	One-step Solvothermal Synthesis of rGO/TiO <sub>2</sub> Nanocomposite for Efficient Solar Photocatalytic Degradation of Methylene Blue Dye. <i>Current Nanoscience</i> , <b>2018</b> , 15, 157-162	1.4	12
141	Mechanistic actions and contributing factors affecting the antibacterial property and cytotoxicity of graphene oxide. <i>Chemosphere</i> , <b>2021</b> , 281, 130739	8.4	12
140	Hydrothermal preparation of reduced graphene oxide/tungsten trioxide nanocomposites with enhanced electrochemical performance. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 14554-14567	2.1	11
139	Photoelectrochemical properties of TiO <sub>2</sub> nanotube arrays: effect of electrolyte pH and annealing temperature. <i>Journal of Experimental Nanoscience</i> , <b>2014</b> , 9, 230-239	1.9	11
138	Photocatalytic degradation mechanisms of dimethyl phthalate esters by MWCNTs-anatase TiO <sub>2</sub> nanocomposites using the UHPLC/Orbitrap/MS technique. <i>Advanced Powder Technology</i> , <b>2020</b> , 31, 533-547	4.6	11
137	Development of graphene based nanocomposites towards medical and biological applications. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , <b>2020</b> , 48, 1189-1205	6.1	11



136	Efficient Solar-Induced Photoelectrochemical Response Using Coupling Semiconductor TiO <sub>2</sub> /ZnO Nanorod Film. <i>Materials</i> , <b>2016</b> , 9,	3.5	11
135	Photocatalysis and photoelectrochemical properties of tungsten trioxide nanostructured films. <i>Scientific World Journal, The</i> , <b>2014</b> , 2014, 843587	2.2	10
134	Recoverability of Fe <sub>3</sub> O <sub>4</sub> /TiO <sub>2</sub> nanocatalyst in methyl orange degradation. <i>Materials Research Express</i> , <b>2019</b> , 6, 075517	1.7	9
133	Simple Preparation of Exfoliated Graphene Oxide Sheets via Simplified Hummer's Method. <i>Advanced Materials Research</i> , <b>2015</b> , 1109, 390-394	0.5	9
132	Reduced Graphene Oxide - Titania Nanocomposite Film for Improving Dye-Sensitized Solar Cell (DSSCs) Performance. <i>Current Nanoscience</i> , <b>2017</b> , 13,	1.4	9
131	Effect of Ce Doping on RGO-TiO <sub>2</sub> Nanocomposite for High Photoelectrocatalytic Behavior. <i>International Journal of Photoenergy</i> , <b>2014</b> , 2014, 1-8	2.1	9
130	Higher water splitting hydrogen generation rate for single crystalline anatase phase of TiO <sub>2</sub> nanotube arrays. <i>EPJ Applied Physics</i> , <b>2012</b> , 59, 20403	1.1	9
129	Single Step Formation of C-TiO <sub>2</sub> Nanotubes: Influence of Applied Voltage and Their Photocatalytic Activity under Solar Illumination. <i>International Journal of Photoenergy</i> , <b>2013</b> , 2013, 1-8	2.1	9
128	Enhance of TiO <sub>2</sub> dopants incorporated reduced graphene oxide via RF magnetron sputtering for efficient dye-sensitised solar cells. <i>Rare Metals</i> , <b>2018</b> , 37, 919-928	5.5	9
127	Anodization of WO <sub>3</sub> -Decorated TiO <sub>2</sub> Nanotube Arrays for Efficient Mercury Removal. <i>Materials</i> , <b>2015</b> , 8, 5702-5714	3.5	8
126	Effect of temperature on synthesis of cellulose nanoparticles via ionic liquid hydrolysis process. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 308, 113030	6	8
125	Functionalized carbon nanotubes for adsorptive removal of water pollutants. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2018</b> , 236-237, 61-69	3.1	8
124	Superparamagnetic iron oxide nanoparticles for drug delivery <b>2018</b> , 861-903		8
123	WO <sub>3</sub> -TiO <sub>2</sub> Nanocomposite and its Applications: A Review. <i>Nano Hybrids and Composites</i> , <b>2018</b> , 20, 1-26	0.7	7
122	Facile preparation of nanocrystalline TiO <sub>2</sub> thin films using electrophoretic deposition for enhancing photoelectrochemical water splitting response. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 16244-16253	2.1	7
121	Visible light photoelectrochemical performance of W-loaded TiO <sub>2</sub> nanotube arrays: structural properties. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2012</b> , 12, 3170-4	1.3	7
120	Hydrolytic cleavage of glycosidic bonds for cellulose nanoparticles (CNPs) production by BmimHSO <sub>4</sub> ionic liquid catalyst. <i>Thermochimica Acta</i> , <b>2020</b> , 684, 178484	2.9	7
119	Recent Advancements in Polythiophene-Based Materials and their Biomedical, Geno Sensor and DNA Detection. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	7

118	The improved photocatalytic activity of highly expanded MoS <sub>2</sub> under visible light emitting diodes. <i>Nanoscale Advances</i> , <b>2021</b> , 3, 1106-1120	5.1	7
117	Bioactive Agent-Loaded Electrospun Nanofiber Membranes for Accelerating Healing Process: A Review. <i>Membranes</i> , <b>2021</b> , 11,	3.8	7
116	TiO <sub>2</sub> Nanotubes Arrays: Improved Photoelectrochemical Water Splitting by Adding Optimum Amount of Ethylene Glycol in KOH Electrolyte. <i>Nanoscience and Nanotechnology Letters</i> , <b>2013</b> , 5, 57-62	0.8	6
115	ZnCl <sub>2</sub> /NaCl-Catalysed Hydrothermal Carbonization of Glucose and Oil Palm Shell Fiber. <i>Nanoscience and Nanotechnology Letters</i> , <b>2015</b> , 7, 611-615	0.8	6
114	Biosynthesized Fe- and Ag-doped ZnO nanoparticles using aqueous extract of Clitoria ternatea Linn for enhancement of sonocatalytic degradation of Congo red. <i>Environmental Science and Pollution Research</i> , <b>2020</b> , 27, 34675-34691	5.1	6
113	EDTA functionalised cocoa pod carbon encapsulated SPIONs via green synthesis route to ameliorate textile dyes - Kinetics, isotherms, central composite design and artificial neural network. <i>Sustainable Chemistry and Pharmacy</i> , <b>2021</b> , 19, 100349	3.9	6
112	Enhanced photocatalytic degradation of methyl orange by coconut shell-derived biochar composites under visible LED light irradiation. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 27457-27473	5.1	6
111	Effects of various hydrogenated temperatures on photocatalytic activity of mesoporous titanium dioxide. <i>Micro and Nano Letters</i> , <b>2018</b> , 13, 77-82	0.9	5
110	WO <sub>3</sub> Nanoplates Film: Formation and Photocatalytic Oxidation Studies. <i>Journal of Nanomaterials</i> , <b>2015</b> , 2015, 1-7	3.2	5
109	Surface Morphology and Growth of Anodic Titania Nanotubes Films: Photoelectrochemical Water Splitting Studies. <i>Journal of Nanomaterials</i> , <b>2015</b> , 2015, 1-7	3.2	5
108	Modification of One-Dimensional TiO <sub>2</sub> Nanotubes with CaO Dopants for High CO <sub>2</sub> Adsorption. <i>International Journal of Photoenergy</i> , <b>2014</b> , 2014, 1-9	2.1	5
107	Bio-enhanced polyrhodanine/graphene Oxide/Fe <sub>3</sub> O <sub>4</sub> nanocomposite with kombucha solvent supernatant as ultra-sensitive biosensor for detection of doxorubicin hydrochloride in biological fluids. <i>Materials Chemistry and Physics</i> , <b>2022</b> , 279, 125743	4.4	5
106	CdSe Species Decorated TiO <sub>2</sub> Nanotubes Film Via Chemical Bath Deposition for Enhancing Photoelectrochemical Water Splitting Performance. <i>Current Nanoscience</i> , <b>2018</b> , 14, 148-153	1.4	5
105	Roles of linear alkyl chain alkylation on reinforcement of graphene based polypropylene nanocomposites. <i>Materials Today Communications</i> , <b>2020</b> , 22, 100775	2.5	5
104	Influence Applied Potential on the Formation of Self-Organized ZnO Nanorod Film and Its Photoelectrochemical Response. <i>International Journal of Photoenergy</i> , <b>2016</b> , 2016, 1-8	2.1	5
103	Carbon nanotubes for dental implants <b>2019</b> , 93-105		5
102	CdSe/TiO <sub>2</sub> nanotubes for enhanced photoelectrochemical activity under solar illumination: Influence of soaking time in CdSe bath solution. <i>Chemical Physics Letters</i> , <b>2019</b> , 714, 6-10	2.5	5
101	The Effect of Chemical Solutions (Isopropyl Alcohol, Dichloromethane, Acetone and Triton X-100) on the Dispersion of Single-Walled Carbon Nanotubes. <i>Advanced Materials Research</i> , <b>2015</b> , 1109, 113-117	0.5	4



100	High Yield Preparation of Graphene Oxide Film Using Improved Hummer's Technique for Current-Voltage Characteristic. <i>Advanced Materials Research</i> , <b>2015</b> , 1109, 385-389	0.5	4
99	An investigation of the stirring duration effect on synthesized graphene oxide for dye-sensitized solar cells. <i>PLoS ONE</i> , <b>2020</b> , 15, e0228322	3.7	4
98	Magnetically recoverable magnetite-reduced graphene oxide as a demulsifier for surfactant stabilized crude oil-in-water emulsion. <i>PLoS ONE</i> , <b>2020</b> , 15, e0232490	3.7	4
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