Lai Chin Wei

List of Publications by Year in Descending Order

225 papers	4,627 citations	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	Highly effective removal of volatile organic pollutants with p-n heterojunction photoreduced graphene oxide-TiO2 photocatalyst. *Journal of Environmental Chemical Engineering*, **2022**, 10, 107304	6.8	1
224	Shape-controlled synthesis of zinc nanostructures mediating macromolecules for biomedical applications.. *Biomaterials Research*, **2022**, 26, 4	16.8	4
223	Bio-enhanced polyrhodanine/graphene Oxide/Fe3O4 nanocomposite with kombucha solvent supernatant as ultra-sensitive biosensor for detection of doxorubicin hydrochloride in biological fluids. *Materials Chemistry and Physics*, **2022**, 279, 125743	4.4	5
222	Low cost, robust, environmentally friendly, wood supported 3D-hierarchical CuSnS for efficient solar powered steam generation.. *Journal of Colloid and Interface Science*, **2022**, 615, 707-715	9.3	1
221	Advanced photocatalytic degradation of acetaminophen using Cu2O/WO3/TiO2 ternary composite under solar irradiation. *Catalysis Communications*, **2022**, 163, 106396	3.2	0
220	Enhancement of discharge capacity and energy density by oxygen vacancies in nickel doped SrTiO3 as cathode for rechargeable alkaline zinc battery. *Electrochimica Acta*, **2022**, 404, 139705	6.7	0
219	Modified TiO nanotubes-zeolite composite photocatalyst: Characteristics, microstructure and applicability for degrading triclocarban. *Chemosphere*, **2022**, 287, 132278	8.4	1
218	Activated Carbon as Superadsorbent and Sustainable Material for Diverse Applications. *Adsorption Science and Technology*, **2022**, 2022, 1-21	3.6	3
217	Graphene Nanocomposite-Based Nanoproducts for Renewable Energy Application **2022**, 357-372		
216	Facile synthesis of multifunctional C@FeO-MoO-rGO ternary composite and its versatile roles as sonoadsorbent to ameliorate triphenylmethane textile dye and as potential electrode for supercapacitor applications.. *Environmental Research*, **2022**, 113417	7.9	
215	Plasma-Enabled Smart Nanoexosome Platform as Emerging Immunopathogenesis for Clinical Viral Infection. *Pharmaceutics*, **2022**, 14, 1054	6.4	2
214	Titanium dioxide/graphene composites for dye-sensitized solar cell applications **2022**, 313-339		
213	Photodegradation assessment of RB5 dye by utilizing WO/TiO nanocomposite: a cytotoxicity study. *Environmental Science and Pollution Research*, **2021**, 1	5.1	1
212	Photocatalytic degradation of triclocarban in aqueous solution using a modified zeolite/TiO composite: kinetic, mechanism study and toxicity assessment. *Environmental Science and Pollution Research*, **2021**, 1	5.1	
211	Self-Healable Solar Cells: Recent Insights and Challenges **2021**, 153-180		
210	Kinetic and isotherm studies on adsorptive removal of sulfates by cotton shell derived biochar: Recovery of sulfates from marcasite soil. *Sustainable Chemistry and Pharmacy*, **2021**, 20, 100361	3.9	3
209	Carbon Substrates for Flexible Supercapacitors and Energy Storage Applications **2021**, 95-141		1

208	Recent Progress in Electrochemical Detection of Human Papillomavirus (HPV) via Graphene-Based Nanosensors. *Journal of Sensors*, **2021**, 2021, 1-15	2	3
207	Self-Healable Core–Shell Nanofibers **2021**, 181-202		3
206	Recent Advances in Enzymes for the Bioremediation of Pollutants. *Biochemistry Research International*, **2021**, 2021, 5599204	2.4	15
205	Recent Advancements in Polythiophene-Based Materials and their Biomedical, Geno Sensor and DNA Detection. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	7
204	Enhancement of photocatalytic degradation of Malachite Green using iron doped titanium dioxide loaded on oil palm empty fruit bunch-derived activated carbon. *Chemosphere*, **2021**, 272, 129588	8.4	17
203	Synthesis of MRGO Nanocomposites as a Potential Photocatalytic Demulsifier for Crude Oil-in-Water Emulsion. *Journal of Composites Science*, **2021**, 5, 174	3	0
202	EDTA functionalised cocoa pod carbon encapsulated SPIONs via green synthesis route to ameliorate textile dyes - Kinetics, isotherms, central composite design and artificial neural network. *Sustainable Chemistry and Pharmacy*, **2021**, 19, 100349	3.9	6
201	Review of the past and recent developments in functionalization of graphene derivatives for reinforcement of polypropylene nanocomposites. *Polymer Composites*, **2021**, 42, 1075-1108	3	2
200	Future prospective of advanced green materials **2021**, 733-749		
199	Multiresponsive Supercapacitor for Future Energy Storage Applications **2021**,		
198	The improved photocatalytic activity of highly expanded MoS2 under visible light emitting diodes. *Nanoscale Advances*, **2021**, 3, 1106-1120	5.1	7
197	Photocatalytic CO2 reduction using chalcogenide-based nanomaterials **2021**, 295-306		
196	Graphene-Based Nanocomposites for Renewable Energy Application **2021**, 929-963		
195	Enhanced photocatalytic degradation of methyl orange by coconut shell-derived biochar composites under visible LED light irradiation. *Environmental Science and Pollution Research*, **2021**, 28, 27457-27473	5.1	6
194	Application of biosurfactants in the removal of oil from emulsion **2021**, 107-127		0
193	Agricultural waste-based bionanocomposites in tissue engineering and regenerative medicine **2021**, 499-506		
192	Review—Recent Advancements of ZnO/rGO Nanocomposites (NCs) for Electrochemical Gas Sensor Applications. *Journal of the Electrochemical Society*, **2021**, 168, 027506	3.9	4
191	Highly Mesoporous g-CN with Uniform Pore Size Distribution via the Template-Free Method to Enhanced Solar-Driven Tetracycline Degradation. *Nanomaterials*, **2021**, 11,	5.4	4

190	Enhanced Conductivity Boosts the Cathodic Performance of Aluminium-Doped SrTiO3 in Rechargeable Alkaline Zinc Battery. *Journal of the Electrochemical Society*, **2021**, 168, 080530	3.9	1
189	A high-capacity of oxygen induced SrTiO3 cathode material for rechargeable Alkaline Zinc battery. *Materials Science in Semiconductor Processing*, **2021**, 130, 105802	4.3	4
188	Bioactive Agent-Loaded Electrospun Nanofiber Membranes for Accelerating Healing Process: A Review. *Membranes*, **2021**, 11,	3.8	7
187	Mechanistic actions and contributing factors affecting the antibacterial property and cytotoxicity of graphene oxide. *Chemosphere*, **2021**, 281, 130739	8.4	12
186	Historical Background and Present Status of the Capacitors and Supercapacitor for High Bioenergy Storage Applications **2021**,		
185	Review on the Synthesis Methods of Nano-Tungsten Oxide Dihydrate Colloid. *MATEC Web of Conferences*, **2021**, 335, 03008	0.3	1
184	Recycled Activated Carbon-Based Materials for the Removal of Organic Pollutants from Wastewater. *Topics in Mining, Metallurgy and Materials Engineering*, **2021**, 513-539	0.4	4
183	Supercapacitor: Evolution and Potential in Energy-Related Applications **2021**,		
182	Graphene and its derivatives, synthesis route, and mechanism for photovoltaic solar cell applications **2021**, 103-132		
181	Graphene Nanocomposite-Based Nanoproducts for Renewable Energy Application **2021**, 1-16		
180	Recent Advances of Heterogeneous Nanosized Hybrid Catalysts for Water Treatment Application. *ACS Symposium Series*, **2020**, 227-240	0.4	
179	Comprehensive review on nanocellulose: Recent developments, challenges and future prospects. *Journal of the Mechanical Behavior of Biomedical Materials*, **2020**, 110, 103884	4.1	73
178	Research and Development and Commercialization in Rechargeable Batteries **2020**, 315-355		
177	New-generation titania-based catalysts for photocatalytic hydrogen generation **2020**, 257-292		
176	Chemical studies of metal oxide powders **2020**, 17-29		
175	K-Ion Battery Practical Application Toward Grid-Energy Storage **2020**, 43-98		1
174	Gold nanostars-diagnosis, bioimaging and biomedical applications. *Drug Metabolism Reviews*, **2020**, 52, 299-318	7	30
173	Advanced in developmental organic and inorganic nanomaterial: a review. *Bioengineered*, **2020**, 11, 328-355		75

172	Superior X-ray Radiation Shielding Effectiveness of Biocompatible Polyaniline Reinforced with Hybrid Graphene Oxide-Iron Tungsten Nitride Flakes. *Polymers*, **2020**, 12,	4.5	20
171	An investigation of the stirring duration effect on synthesized graphene oxide for dye-sensitized solar cells. *PLoS ONE*, **2020**, 15, e0228322	3.7	4
170	Nano-photocatalyst in photocatalytic oxidation processes **2020**, 151-165		0
169	Nanocatalyst-based catalytic oxidation processes **2020**, 133-150		3
168	Magnetically recoverable magnetite-reduced graphene oxide as a demulsifier for surfactant stabilized crude oil-in-water emulsion. *PLoS ONE*, **2020**, 15, e0232490	3.7	4
167	Dependence of the photocatalytic reduction of bicarbonate to formic acid by Au□TiO2 on Au morphology and its plasmonic vibrational mode. *Materials Chemistry and Physics*, **2020**, 249, 123018	4.4	4
166	Development of hydrophobic reduced graphene oxide as a new efficient approach for photochemotherapy.. *RSC Advances*, **2020**, 10, 12851-12863	3.7	28
165	Zinc Oxide Nanomaterials-Based Supercapacitors **2020**,		1
164	Graphene and Its Derivatives for Supercapacitor Application **2020**,		0
163	Nanocellulose-Based Supercapacitor **2020**,		
162	Remediation of Heavy Metal Ions Using Nanomaterials Sourced from Wastewaters. *Nanotechnology in the Life Sciences*, **2020**, 255-296	1.1	2
161	Hybrid Graphene Titanium Nanocomposites and Their Applications in Energy Storage Devices: a Review. *Journal of Electronic Materials*, **2020**, 49, 1777-1786	1.9	4
160	Hydrolytic cleavage of glycosidic bonds for cellulose nanoparticles (CNPs) production by BmimHSO4 ionic liquid catalyst. *Thermochimica Acta*, **2020**, 684, 178484	2.9	7
159	Roles of linear alkyl chain alkylation on reinforcement of graphene based polypropylene nanocomposites. *Materials Today Communications*, **2020**, 22, 100775	2.5	5
158	Data on cytotoxic and antibacterial activity of synthesized FeO nanoparticles using. *Data in Brief*, **2020**, 28, 104929	1.2	13
157	Photocatalytic degradation mechanisms of dimethyl phthalate esters by MWCNTs-anatase TiO2 nanocomposites using the UHPLC/Orbitrap/MS technique. *Advanced Powder Technology*, **2020**, 31, 533-547	4.6	11
156	Enhanced sonophotocatalytic degradation of paracetamol in the presence of Fe-doped TiO2 nanoparticles and H2O2. *Environmental Earth Sciences*, **2020**, 79, 1	2.9	2
155	Asymmetric Membranes: A Potential Scaffold for Wound Healing Applications. *Symmetry*, **2020**, 12, 1100	2.7	23

154	Recent Progress in Chemical Composition, Production, and Pharmaceutical Effects of Kombucha Beverage: A Complementary and Alternative Medicine. *Evidence-based Complementary and Alternative Medicine*, **2020**, 2020, 4397543	2.3	18
153	Application of Efficient Magnetic Particles and Activated Carbon for Dye Removal from Wastewater. *ACS Omega*, **2020**, 5, 20684-20697	3.9	62
152	An Overview of the Building Energy Management System Considering the Demand Response Programs, Smart Strategies and Smart Grid. *Energies*, **2020**, 13, 3299	3.1	18
151	An Autonomous Home Energy Management System Using Dynamic Priority Strategy in Conventional Homes. *Energies*, **2020**, 13, 3312	3.1	4
150	Asymmetric Cellulosic Membranes: Current and Future Aspects. *Symmetry*, **2020**, 12, 1160	2.7	3
149	Influence of Sputtering Temperature of TiO Deposited onto Reduced Graphene Oxide Nanosheet as Efficient Photoanodes in Dye-Sensitized Solar Cells. *Molecules*, **2020**, 25,	4.8	4
148	Unveiling the enhanced photoelectrochemical and photocatalytic properties of reduced graphene oxide for photodegradation of methylene blue dye.. *RSC Advances*, **2020**, 10, 37905-37915	3.7	16
147	Development of graphene based nanocomposites towards medical and biological applications. *Artificial Cells, Nanomedicine and Biotechnology*, **2020**, 48, 1189-1205	6.1	11
146	Methylene Blue Dye Photocatalytic Degradation over Synthesised FeO/AC/TiO Nano-Catalyst: Degradation and Reusability Studies. *Nanomaterials*, **2020**, 10,	5.4	19
145	Biosynthesized Fe- and Ag-doped ZnO nanoparticles using aqueous extract of Clitoria ternatea Linn for enhancement of sonocatalytic degradation of Congo red. *Environmental Science and Pollution Research*, **2020**, 27, 34675-34691	5.1	6
144	Synergistic antibacterial actions of graphene oxide and antibiotics towards bacteria and the toxicological effects of graphene oxide on human epidermal keratinocytes. *European Journal of Pharmaceutical Sciences*, **2020**, 142, 105087	5.1	20
143	Effect of temperature on synthesis of cellulose nanoparticles via ionic liquid hydrolysis process. *Journal of Molecular Liquids*, **2020**, 308, 113030	6	8
142	Synthesis and Characterization of Alkylated Graphene Oxide (AGO) and Reduced Graphene Oxide (ARGO). *Materials Today: Proceedings*, **2019**, 17, 508-515	1.4	1
141	An investigation on surface modified TiO2 incorporated with graphene oxide for dye-sensitized solar cell. *Solar Energy*, **2019**, 191, 663-671	6.8	12
140	Facile one-pot solvothermal method to synthesize solar active Bi2WO6 for photocatalytic degradation of organic dye. *Journal of Alloys and Compounds*, **2019**, 801, 502-510	5.7	39
139	An investigation on titanium doping in reduced graphene oxide by RF magnetron sputtering for dye-sensitized solar cells. *Solar Energy*, **2019**, 188, 10-18	6.8	12
138	Effective photoreduction of graphene oxide for photodegradation of volatile organic compounds.. *RSC Advances*, **2019**, 9, 18076-18086	3.7	30
137	A review of synthesis and morphology of SrTiO3 for energy and other applications. *International Journal of Energy Research*, **2019**, 43, 5151-5174	4.5	43

136	High performance supercapattery with rGO/TiO2 nanocomposites anode and activated carbon cathode. *Journal of Alloys and Compounds*, **2019**, 796, 13-24	5.7	25
135	Recoverability of Fe3O4/TiO2 nanocatalyst in methyl orange degradation. *Materials Research Express*, **2019**, 6, 075517	1.7	9
134	Recent developments in biomass-derived carbon as a potential sustainable material for super-capacitor-based energy storage and environmental applications. *Journal of Analytical and Applied Pyrolysis*, **2019**, 140, 54-85	6	61
133	Recent developments of strontium titanate for photocatalytic water splitting application. *International Journal of Hydrogen Energy*, **2019**, 44, 14316-14340	6.7	54
132	Controlled Synthesis of Well-Aligned and Highly Ordered TiO Nanotubes Without Bundling for Enhanced Solar-Powered Photoelectrochemical Responses. *Journal of Nanoscience and Nanotechnology*, **2019**, 19, 7934-7942	1.3	1
131	Graphene/TiO2 Nanocomposites: Synthesis Routes, Characterization, and Solar Cell Applications **2019**, 353-394		1
130	Reduced Graphene Oxide Decorated Tio2 for Improving Dye-Sensitized Solar Cells (DSSCs). *Current Nanoscience*, **2019**, 15, 631-636	1.4	4
129	Graphene-Based Nanocomposites for Renewable Energy Application **2019**, 1-36		
128	Tungsten Based Materials for Supercapacitors **2019**, 89-99		
127	Conducting Polymer Carbon-Based Binary Composites for Battery Applications **2019**, 155-160		
126	A reduced graphene oxide-titanium dioxide nanocomposite based electrochemical aptasensor for rapid and sensitive detection of Salmonella enterica. *Bioelectrochemistry*, **2019**, 127, 136-144	5.6	39
125	Removal of methylene blue dye by solvothermally reduced graphene oxide: a metal-free adsorption and photodegradation method.. *RSC Advances*, **2019**, 9, 37686-37695	3.7	33
124	Graphene Composites **2019**, 23, 57-63		1
123	An eco-friendly water-soluble graphene-incorporated agar gel electrolyte for magnesium-air batteries. *Ionics*, **2019**, 25, 1291-1301	2.7	17
122	Carbon nanotubes for dental implants **2019**, 93-105		5
121	Low-temperature synthesis of TIO2 nanocrystals for high performance electrochemical supercapacitors. *Ceramics International*, **2019**, 45, 4990-5000	5.1	27
120	Carbon Nanomaterial-Based Electrochemical Biosensors for Foodborne Bacterial Detection. *Critical Reviews in Analytical Chemistry*, **2019**, 49, 510-533	5.2	42
119	CdSe/TiO2 nanotubes for enhanced photoelectrochemical activity under solar illumination: Influence of soaking time in CdSe bath solution. *Chemical Physics Letters*, **2019**, 714, 6-10	2.5	5

118	Polymers as Water Disinfectants. *Springer Series on Polymer and Composite Materials*, **2019**, 149-165	0.9	
117	Effects of various hydrogenated temperatures on photocatalytic activity of mesoporous titanium dioxide. *Micro and Nano Letters*, **2018**, 13, 77-82	0.9	5
116	One-pot hydrothermal synthesis of strontium titanate nanoparticles photoelectrode using electrophoretic deposition for enhancing photoelectrochemical water splitting. *Ceramics International*, **2018**, 44, 9923-9933	5.1	16
115	The relationship between iron and Ilmenite for photocatalyst degradation. *Advanced Powder Technology*, **2018**, 29, 1779-1786	4.6	4
114	Iron oxide nanoparticles decorated oleic acid for high colloidal stability. *Advances in Polymer Technology*, **2018**, 37, 1712-1721	1.9	28
113	Recent developments of graphene-TiO2 composite nanomaterials as efficient photoelectrodes in dye-sensitized solar cells: A review. *Renewable and Sustainable Energy Reviews*, **2018**, 82, 103-125	16.2	94
112	Facile formation of colloidal silver nanoparticles using electrolysis technique and their antimicrobial activity. *Micro and Nano Letters*, **2018**, 13, 407-410	0.9	
111	New insights into the photocatalytic endocrine disruptors dimethyl phathalate esters degradation by UV/MWCNTs-TiO2 nanocomposites. *Journal of Photochemistry and Photobiology A: Chemistry*, **2018**, 364, 177-189	4.7	19
110	One-step hydrothermal synthesis of titanium dioxide decorated on reduced graphene oxide for dye-sensitised solar cells application. *International Journal of Nanotechnology*, **2018**, 15, 78	1.5	3
109	WO3-TiO2 Nanocomposite and its Applications: A Review. *Nano Hybrids and Composites*, **2018**, 20, 1-26	0.7	7
108	CdSe Species Decorated TiO2 Nanotubes Film Via Chemical Bath Deposition for Enhancing Photoelectrochemical Water Splitting Performance. *Current Nanoscience*, **2018**, 14, 148-153	1.4	5
107	One-step Solvothermal Synthesis of rGO/TiO2 Nanocomposite for Efficient Solar Photocatalytic Degradation of Methylene Blue Dye. *Current Nanoscience*, **2018**, 15, 157-162	1.4	12
106	An investigation of the dye-sensitized solar cell performance using graphene-titania (TrGO) photoanode with conventional dye and natural green chlorophyll dye. *Materials Science in Semiconductor Processing*, **2018**, 74, 267-276	4.3	28
105	Impact of TiO2 Nanotubes' Morphology on the Photocatalytic Degradation of Simazine Pollutant. *Materials*, **2018**, 11,	3.5	13
104	Stability of custom-designed photoreactor for photocatalytic oxidation of Reactive Black 5 dye using zinc oxide. *Corrosion Engineering Science and Technology*, **2018**, 53, 462-467	1.7	1
103	Functionalized carbon nanotubes for adsorptive removal of water pollutants. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2018**, 236-237, 61-69	3.1	8
102	Effect on the Formation of Magnetite Reduced Graphene Oxide with Controlled Stirring Duration. *MATEC Web of Conferences*, **2018**, 202, 01003	0.3	1
101	Enhance of TiO2 dopants incorporated reduced graphene oxide via RF magnetron sputtering for efficient dye-sensitised solar cells. *Rare Metals*, **2018**, 37, 919-928	5.5	9

100	Superparamagnetic iron oxide nanoparticles for drug delivery **2018**, 861-903		8
99	An Overview of Chemical and Mechanical Stabilities of Polymer Electrolytes Membrane **2017**, 327-340		1
98	Porous 3D carbon decorated Fe3O4 nanocomposite electrode for highly symmetrical supercapacitor performance. *RSC Advances*, **2017**, 7, 23030-23040	3.7	31
97	Stability of tungsten oxide nanotubes film for improving photocatalytic oxidation reaction. *Corrosion Engineering Science and Technology*, **2017**, 52, 405-410	1.7	0
96	Graphene-based label-free electrochemical aptasensor for rapid and sensitive detection of foodborne pathogen. *Analytical and Bioanalytical Chemistry*, **2017**, 409, 6893-6905	4.4	49
95	Hydrothermal preparation of reduced graphene oxide/tungsten trioxide nanocomposites with enhanced electrochemical performance. *Journal of Materials Science: Materials in Electronics*, **2017**, 28, 14554-14567	2.1	11
94	Polymeric Nanocomposites for Visible-Light-Induced Photocatalysis. *Springer Series on Polymer and Composite Materials*, **2017**, 175-201	0.9	0
93	Biosynthesis of silver nanoparticles using unriped Carica papaya fruit extract with different PH conditions. *International Journal of Nanoparticles*, **2017**, 9, 55	0.4	
92	The Impact of Reaction Parameters on Graphene-like Material Synthesized Using Chemical Vapour Deposition. *Procedia Engineering*, **2017**, 184, 460-468		2
91	Facile preparation of nanocrystalline TiO2 thin films using electrophoretic deposition for enhancing photoelectrochemical water splitting response. *Journal of Materials Science: Materials in Electronics*, **2017**, 28, 16244-16253	2.1	7
90	Synthesis and application of surfactants coated magnetite nanoparticles for demulsification of crude oil in water emulsion **2017**,		1
89	Study of reduced graphene oxide film incorporated of TiO2 species for efficient visible light driven dye-sensitized solar cell. *Journal of Materials Science: Materials in Electronics*, **2017**, 28, 3819-3836	2.1	22
88	Applied bias photon-to-current conversion efficiency of ZnO enhanced by hybridization with reduced graphene oxide. *Journal of Energy Chemistry*, **2017**, 26, 302-308	12	28
87	Surface modification of reduced graphene oxide film by Ti ion implantation technique for high dye-sensitized solar cells performance. *Ceramics International*, **2017**, 43, 625-633	5.1	30
86	Red Seaweed Pulp as a Separator in Rechargeable Al-anode Battery. *Polymers and Polymer Composites*, **2017**, 25, 521-526	0.8	2
85	Reduced Graphene Oxide - Titania Nanocomposite Film for Improving Dye-Sensitized Solar Cell (DSSCs) Performance. *Current Nanoscience*, **2017**, 13,	1.4	9
84	Photocatalytic Water Oxidation on ZnO: A Review. *Catalysts*, **2017**, 7, 93	4	91
83	Photocatalytic Reduction of Aqueous Mercury (II) Using Hybrid WO3-TiO2 Nanotubes Film. *Current Nanoscience*, **2017**, 13,	1.4	1

82	Recent developments of zinc oxide based photocatalyst in water treatment technology: A review. *Water Research*, **2016**, 88, 428-448	12.5	1284
81	Fabrication of TiO2 Nanoparticles on Large-Area Graphene Oxide Sheets as Promising Photocatalytic Material. *Materials Science Forum*, **2016**, 860, 39-42	0.4	
80	Novel layer-by-layer assembly of rGO-hybridised ZnO sandwich thin films for the improvement of photo-catalysed hydrogen production. *Journal of Energy Chemistry*, **2016**, 25, 336-344	12	13
79	Synthesis of Single-layer Graphene: A Review of Recent Development. *Procedia Chemistry*, **2016**, 19, 916-921		72
78	Effect on Variation of KMnO4 Amount for Production of Graphene Oxide (GO). *Advanced Materials Research*, **2016**, 1133, 476-480	0.5	2
77	Influence Applied Potential on the Formation of Self-Organized ZnO Nanorod Film and Its Photoelectrochemical Response. *International Journal of Photoenergy*, **2016**, 2016, 1-8	2.1	5
76	Facile Synthesis Polyethylene Glycol Coated Magnetite Nanoparticles for High Colloidal Stability. *Journal of Nanomaterials*, **2016**, 2016, 1-7	3.2	31
75	Efficient Solar-Induced Photoelectrochemical Response Using Coupling Semiconductor TiO□ZnO Nanorod Film. *Materials*, **2016**, 9,	3.5	11
74	TiO2 Nanotubes Supported Cu Nanoparticles for Improving Photocatalytic Degradation of Simazine under UV Illumination. *Catalysts*, **2016**, 6, 167	4	17
73	Controllable Electrochemical Synthesis of Reduced Graphene Oxide Thin-Film Constructed as Efficient Photoanode in Dye-Sensitized Solar Cells. *Materials*, **2016**, 9,	3.5	14
72	Effect of reduced graphene oxide-hybridized ZnO thin films on the photoinactivation of Staphylococcus aureus and Salmonella enterica serovar Typhi. *Journal of Photochemistry and Photobiology B: Biology*, **2016**, 161, 25-33	6.7	13
71	Synthesis of reduced graphene oxide/tungsten trioxide nanocomposite electrode for high electrochemical performance. *Ceramics International*, **2016**, 42, 13128-13135	5.1	21
70	Fe-doped mesoporous anatase-brookite titania in the solar-light-induced photodegradation of Reactive Black 5 dye. *Journal of the Taiwan Institute of Chemical Engineers*, **2016**, 68, 153-161	5.3	23
69	Synthesis and Characterization of TiO2 Nanoparticles via Alternative Sol-Gel Preparation Routes. *Advanced Materials Research*, **2015**, 1087, 191-196	0.5	2
68	Simple Preparation of Exfoliated Graphene Oxide Sheets via Simplified Hummer□ Method. *Advanced Materials Research*, **2015**, 1109, 390-394	0.5	9
67	Controlled Growth of WO3-Loaded TiO2 Nanotubes for Tandem Solar-Driven Water Splitting Cell. *Advanced Materials Research*, **2015**, 1109, 243-247	0.5	
66	Analysis of Photocurrent Responses of Anodized TiO2 Nanotubes Synthesized from Different Organic Electrolytes. *Advanced Materials Research*, **2015**, 1109, 429-433	0.5	
65	One-Step Formation of WO3-Loaded TiO2 Nanotubes Composite Film for High Photocatalytic Performance. *Materials*, **2015**, 8, 2139-2153	3.5	30

64	Facile Synthesis of One-Dimensional Titania Nanotubes via Hydrothermal Method. *Advanced Materials Research*, **2015**, 1087, 182-185	0.5	
63	The Effect of Chemical Solutions (Isopropyl Alcohol, Dichloromethane, Acetone and Triton X-100) on the Dispersion of Single-Walled Carbon Nanotubes. *Advanced Materials Research*, **2015**, 1109, 113-117	0.5	4
62	High Yield Preparation of Graphene Oxide Film Using Improved Hummer□ Technique for Current-Voltage Characteristic. *Advanced Materials Research*, **2015**, 1109, 385-389	0.5	4
61	Preparation of high crystallinity cellulose nanocrystals (CNCs) by ionic liquid solvolysis. *Biomass and Bioenergy*, **2015**, 81, 584-591	5.3	131
60	Easy Formation of Nanodisk-Dendritic ZnO Film via Controlled Electrodeposition Process. *Journal of Nanomaterials*, **2015**, 2015, 1-7	3.2	3
59	Synthesis of Fe3O4 Nanoparticles to Synthesize Bundles of Single-Walled Carbon Nanotubes. *Advanced Materials Research*, **2015**, 1109, 108-112	0.5	0
58	Anodization of WO□Decorated TiO□Nanotube Arrays for Efficient Mercury Removal. *Materials*, **2015**, 8, 5702-5714	3.5	8
57	Advanced Chemical Reduction of Reduced Graphene Oxide and Its Photocatalytic Activity in Degrading Reactive Black 5. *Materials*, **2015**, 8, 7118-7128	3.5	80
56	Mechanism and Kinetics Study for Photocatalytic Oxidation Degradation: A Case Study for Phenoxyacetic Acid Organic Pollutant. *Journal of Nanomaterials*, **2015**, 2015, 1-10	3.2	13
55	Rapid Formation of 1D Titanate Nanotubes Using Alkaline Hydrothermal Treatment and Its Photocatalytic Performance. *Journal of Nanomaterials*, **2015**, 2015, 1-7	3.2	3
54	WO3Nanoplates Film: Formation and Photocatalytic Oxidation Studies. *Journal of Nanomaterials*, **2015**, 2015, 1-7	3.2	5
53	Surface Morphology and Growth of Anodic Titania Nanotubes Films: Photoelectrochemical Water Splitting Studies. *Journal of Nanomaterials*, **2015**, 2015, 1-7	3.2	5
52	Multivariate analysis of photocatalytic-mineralization of Eriochrome Black T dye using ZnO catalyst and UV irradiation. *Materials Science in Semiconductor Processing*, **2015**, 39, 40-48	4.3	29
51	Improved Photocatalytic Oxidation of Organic Dye Using One-Dimensional Titania Nanotubes. *Advanced Materials Research*, **2015**, 1087, 186-190	0.5	
50	Green preparation of reduced graphene oxide using a natural reducing agent. *Ceramics International*, **2015**, 41, 9505-9513	5.1	43
49	Facile Preparation of Highly Crystalline Nanocellulose by Using Ionic Liquid. *Advanced Materials Research*, **2015**, 1087, 106-110	0.5	15
48	Facile Synthesis of High Quality Graphene Oxide from Graphite Flakes Using Improved Hummer's Technique. *Journal of Nanoscience and Nanotechnology*, **2015**, 15, 6769-73	1.3	15
47	Easy preparation of ultrathin reduced graphene oxide sheets at a high stirring speed. *Ceramics International*, **2015**, 41, 5798-5806	5.1	88

46	ZnCl2/NaCl-Catalysed Hydrothermal Carbonization of Glucose and Oil Palm Shell Fiber. *Nanoscience and Nanotechnology Letters*, **2015**, 7, 611-615	0.8	6
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