

Juan Joon Ching

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.

182
papers

8,004
citations

42
h-index

85
g-index

190
ext. papers

9,739
ext. citations

5.1
avg. IF

6.7
L-index

#	Paper	IF	Citations
182	Superparamagnetic Iron Oxide Decorated Indium Hydroxide Nanocomposite: Synthesis, Characterization and Its Photocatalytic Activity. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , 2022 , 17, 113-126	1.7	0
181	Highly effective removal of volatile organic pollutants with p-n heterojunction photoreduced graphene oxide-TiO ₂ photocatalyst. <i>Journal of Environmental Chemical Engineering</i> , 2022 , 10, 107304	6.8	1
180	Ashless and non-corrosive disulfide compounds as excellent extreme pressure additives in naphthenic oil. <i>Journal of Molecular Liquids</i> , 2022 , 351, 118553	6	0
179	Advanced photocatalytic degradation of acetaminophen using Cu ₂ O/WO ₃ /TiO ₂ ternary composite under solar irradiation. <i>Catalysis Communications</i> , 2022 , 163, 106396	3.2	0
178	Enhancement of discharge capacity and energy density by oxygen vacancies in nickel doped SrTiO ₃ as cathode for rechargeable alkaline zinc battery. <i>Electrochimica Acta</i> , 2022 , 404, 139705	6.7	0
177	Highly active iron-promoted hexagonal mesoporous silica (HMS) for deoxygenation of triglycerides to green hydrocarbon-like biofuel. <i>Fuel</i> , 2022 , 308, 121860	7.1	5
176	Uniform mesoporous hierarchical nanosized zeolite Y for production of Hydrocarbon-like biofuel under H ₂ -Free deoxygenation. <i>Fuel</i> , 2022 , 322, 124208	7.1	
175	Photodegradation assessment of RB5 dye by utilizing WO/TiO nanocomposite: a cytotoxicity study. <i>Environmental Science and Pollution Research</i> , 2021 , 1	5.1	1
174	Metal-free and green synthesis of a series of new bis(2-alkylsulfanyl-[1,3,4]thiadiazolyl)-5,5'-disulfides and 2,2-Dibenzothiazolyl disulfide via oxidative self-coupling using hydrogen peroxide. <i>Polyhedron</i> , 2021 , 115610	2.7	0
173	A review on catalytic hydrodeoxygenation of lignin to transportation fuels by using nickel-based catalysts. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 138, 110667	16.2	24
172	Optical Management of CQD/AgNP@SiNW Arrays with Highly Efficient Capability of Dye Degradation. <i>Catalysts</i> , 2021 , 11, 399	4	6
171	Reaction and hydrogen production phenomena of ethanol steam reforming in a catalytic membrane reactor. <i>Energy</i> , 2021 , 220, 119737	7.9	6
170	Rational design of built-in stannic oxide-copper manganate microrods p-n heterojunction for photoelectrochemical sensing of tetracycline. <i>Chemosphere</i> , 2021 , 271, 129788	8.4	8
169	An Overview of Recent Advances in the Synthesis of Organic Unsymmetrical Disulfides. <i>Helvetica Chimica Acta</i> , 2021 , 104, e2100053	2	8
168	Zn-based metal-organic frameworks as sacrificial agents for the synthesis of Zn/ZSM-5 catalysts and their applications in the aromatization of methanol. <i>Catalysis Today</i> , 2021 , 375, 70-78	5.3	4
167	Landfill leachate wastewater treatment to facilitate resource recovery by a coagulation-flocculation process via hydrogen bond. <i>Chemosphere</i> , 2021 , 262, 127829	8.4	23
166	Effect of reaction conditions on the lifetime of SAPO-34 catalysts in methanol to olefins process □ A review. <i>Fuel</i> , 2021 , 283, 118851	7.1	27

165	Practical and efficient recyclable oxidative system for the preparation of symmetrical disulfides under aerobic conditions. <i>Journal of Sulfur Chemistry</i> , 2021 , 42, 281-294	2.3	4
164	Catalytic conversion of microalgae oil to green hydrocarbon 2021 , 117-143		
163	The improved photocatalytic activity of highly expanded MoS ₂ under visible light emitting diodes. <i>Nanoscale Advances</i> , 2021 , 3, 1106-1120	5.1	7
162	Synergistic absorbents based on SnFeO@ZnO nanoparticles decorated with reduced graphene oxide for highly efficient dye adsorption at room temperature.. <i>RSC Advances</i> , 2021 , 11, 17840-17848	3.7	2
161	Highly Visible Light Active Ternary Polyaniline-TiO ₂ -Fe ₃ O ₄ Nanotube/Nanorod for Photodegradation of Reactive Black 5 Dyes. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021 , 31, 2168-2181	3.2	2
160	Highly Mesoporous g-CN with Uniform Pore Size Distribution via the Template-Free Method to Enhanced Solar-Driven Tetracycline Degradation. <i>Nanomaterials</i> , 2021 , 11,	5.4	4
159	Enhanced Conductivity Boosts the Cathodic Performance of Aluminium-Doped SrTiO ₃ in Rechargeable Alkaline Zinc Battery. <i>Journal of the Electrochemical Society</i> , 2021 , 168, 080530	3.9	1
158	A high-capacity of oxygen induced SrTiO ₃ cathode material for rechargeable Alkaline Zinc battery. <i>Materials Science in Semiconductor Processing</i> , 2021 , 130, 105802	4.3	4
157	Preparation of novel nanostructured WO ₃ /CuMnO p-n heterojunction nanocomposite for photoelectrochemical detection of nitrofurazone. <i>Journal of Colloid and Interface Science</i> , 2021 , 596, 108-118	9.3	10
156	Sustainable landfill leachate treatment: Optimize use of guar gum as natural coagulant and floc characterization. <i>Environmental Research</i> , 2020 , 188, 109737	7.9	16
155	Galvanic Replacement-Enabled Synthesis of In(OH)/Ag/C Nanocomposite as an Effective Photocatalyst for Ultraviolet C Degradation of Methylene Blue. <i>ACS Omega</i> , 2020 , 5, 13719-13728	3.9	3
154	Evaluation of the physico-mechanical properties of activated-carbon enhanced recycled polyethylene/polypropylene 3D printing filament. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2020 , 45, 1	1	5
153	Nano-photocatalyst in photocatalytic oxidation processes 2020 , 151-165		0
152	Deoxygenation of triolein to green diesel in the H ₂ -free condition: Effect of transition metal oxide supported on zeolite Y. <i>Journal of Analytical and Applied Pyrolysis</i> , 2020 , 147, 104797	6	27
151	Recent Catalytic Advances in the Synthesis of Organic Symmetric Disulfides. <i>Current Organic Chemistry</i> , 2020 , 24, 550-581	1.7	8
150	Conventional and emerging technologies for removal of antibiotics from wastewater. <i>Journal of Hazardous Materials</i> , 2020 , 400, 122961	12.8	104
149	Ethylene production from ethanol dehydration over mesoporous SBA-15 catalyst derived from palm oil clinker waste. <i>Journal of Cleaner Production</i> , 2020 , 249, 119323	10.3	18
148	Hybrid Graphene Titanium Nanocomposites and Their Applications in Energy Storage Devices: a Review. <i>Journal of Electronic Materials</i> , 2020 , 49, 1777-1786	1.9	4

147	Conversion of Microalgae Biomass to Biofuels 2020 , 149-161		7
146	Ni, Zn and Fe hydrotalcite-like catalysts for catalytic biomass compound into green biofuel. <i>Pure and Applied Chemistry</i> , 2020 , 92, 587-600	2.1	2
145	Recent advancement in deoxygenation of fatty acids via homogeneous catalysis for biofuel production. <i>Molecular Catalysis</i> , 2020 , 111207	3.3	6
144	Effect of graphene oxide particle size on the tensile strength and stability of natural rubber graphene composite. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2020 , 262, 114762	3.1	4
143	Morphology-Controlled Synthesis of γ -FeO Nanocrystals Impregnated on g-CN-SOH with Ultrafast Charge Separation for Photoreduction of Cr (VI) Under Visible Light. <i>Environmental Pollution</i> , 2020 , 267, 115491	9.3	17
142	Deposition of NiO Nanoparticles on Nanosized Zeolite NaY for Production of Biofuel via Hydrogen-Free Deoxygenation. <i>Materials</i> , 2020 , 13,	3.5	7
141	Unveiling the enhanced photoelectrochemical and photocatalytic properties of reduced graphene oxide for photodegradation of methylene blue dye.. <i>RSC Advances</i> , 2020 , 10, 37905-37915	3.7	16
140	Synthesis of Tetrahydrotriazoloacridine Derivatives Using an Efficient and Reusable Poly-Organocatalyst. <i>Polycyclic Aromatic Compounds</i> , 2020 , 40, 304-312	1.3	
139	Catalytic deoxygenation of triolein to green fuel over mesoporous TiO ₂ aided by in situ hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 11605-11614	6.7	14
138	An investigation on surface modified TiO ₂ incorporated with graphene oxide for dye-sensitized solar cell. <i>Solar Energy</i> , 2019 , 191, 663-671	6.8	12
137	The role of nanosized zeolite Y in the H ₂ -free catalytic deoxygenation of triolein. <i>Catalysis Science and Technology</i> , 2019 , 9, 772-782	5.5	29
136	Production of green biofuel by using a goat manure supported Ni-Al hydrotalcite catalysed deoxygenation process.. <i>RSC Advances</i> , 2019 , 9, 1642-1652	3.7	5
135	Enhanced tensile strength and thermal conductivity of natural rubber graphene composite properties via rubber-graphene interaction. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2019 , 246, 112-119	3.1	24
134	Overview on catalytic deoxygenation for biofuel synthesis using metal oxide supported catalysts. <i>Renewable and Sustainable Energy Reviews</i> , 2019 , 112, 834-852	16.2	42
133	Efficient deoxygenation of triglycerides to hydrocarbon-biofuel over mesoporous Al ₂ O ₃ -TiO ₂ catalyst. <i>Fuel Processing Technology</i> , 2019 , 194, 106120	7.2	23
132	Palladium-Catalysed Cross-Coupling Reactions for the Synthesis of Chalcones. <i>Asian Journal of Organic Chemistry</i> , 2019 , 8, 1174-1193	3	5
131	Mesoporous and other types of catalysts for conversion of non-edible oil to biogasoline via deoxygenation 2019 , 257-281		4
130	Facile one-pot solvothermal method to synthesize solar active Bi ₂ WO ₆ for photocatalytic degradation of organic dye. <i>Journal of Alloys and Compounds</i> , 2019 , 801, 502-510	5.7	39

129	Effective photoreduction of graphene oxide for photodegradation of volatile organic compounds.. <i>RSC Advances</i> , 2019 , 9, 18076-18086	3.7	30
128	A review of synthesis and morphology of SrTiO ₃ for energy and other applications. <i>International Journal of Energy Research</i> , 2019 , 43, 5151-5174	4.5	43
127	High performance supercapattery with rGO/TiO ₂ nanocomposites anode and activated carbon cathode. <i>Journal of Alloys and Compounds</i> , 2019 , 796, 13-24	5.7	25
126	Gallium-Immobilized Carbon Nanotubes as Solid Templates for the Synthesis of Hierarchical Ga/ZSM-5 in Methanol Aromatization. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 7948-7956	3.9	16
125	A review on the advanced leachate treatment technologies and their performance comparison: an opportunity to keep the environment safe. <i>Environmental Monitoring and Assessment</i> , 2019 , 191, 227	3.1	20
124	Extraction of agar from <i>Eucheuma cottonii</i> and <i>Gelidium amansii</i> seaweeds with sonication pretreatment using autoclaving method. <i>Journal of Oceanology and Limnology</i> , 2019 , 37, 871-880	1.5	5
123	Electrodeposited Co-Mn oxide composite electrodes for rechargeable Zn-air battery. <i>Ionics</i> , 2019 , 25, 1689-1698	2.7	1
122	Recent developments of strontium titanate for photocatalytic water splitting application. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 14316-14340	6.7	54
121	Synthesis, X-ray diffraction studies, thermal behavior and catalytic investigation of Cu(II) complexes for levulinic acid-based polyol esters. <i>Journal of Molecular Structure</i> , 2019 , 1175, 566-576	3.4	3
120	1,1'-Butylenebis(3-sulfo-3H-imidazol-1-ium) hydrogensulfate: a versatile task-specific ionic liquid catalyst for the synthesis of 4H-pyran scaffolds through non-conventional process. <i>Monatshefte für Chemie</i> , 2019 , 150, 655-662	1.4	4
119	Removal of methylene blue dye by solvothermally reduced graphene oxide: a metal-free adsorption and photodegradation method.. <i>RSC Advances</i> , 2019 , 9, 37686-37695	3.7	33
118	Production of bio-hydrogen from dairy wastewater using pretreated landfill leachate sludge as an inoculum. <i>Journal of Bioscience and Bioengineering</i> , 2019 , 127, 150-159	3.3	16
117	Catalytic hydrodeoxygenation of dibenzofuran to fuel graded molecule over mesoporous supported bimetallic catalysts. <i>Fuel</i> , 2019 , 236, 236-243	7.1	14
116	An eco-friendly water-soluble graphene-incorporated agar gel electrolyte for magnesium-air batteries. <i>Ionics</i> , 2019 , 25, 1291-1301	2.7	17
115	Mechanosynthesis of N-Methyl Imines Using Recyclable Imidazole-Based Acid-Scavenger: In Situ Formed Ionic Liquid as Catalyst and Dehydrating Agent. <i>Australian Journal of Chemistry</i> , 2019 , 72, 194	1.2	10
114	Low-temperature synthesis of TiO ₂ nanocrystals for high performance electrochemical supercapacitors. <i>Ceramics International</i> , 2019 , 45, 4990-5000	5.1	27
113	4-Imidazol-1-yl-butane-1-sulfonic acid or a novel liquid salt? The NMR analysis and dual solvent-catalytic efficiency for one-pot synthesis of xanthenes. <i>Journal of Molecular Liquids</i> , 2019 , 278, 19-32	6	6
112	Identification of novel chemical structures of sulfo-imidazolium zwitterionic-type salt basis on 2D NMR analysis. <i>Journal of Molecular Structure</i> , 2019 , 1180, 280-284	3.4	4

111	4-Imidazol-1-yl-butane-1-sulfonic acid ionic liquid: Synthesis, structural analysis, physical properties and catalytic application as dual solvent-catalyst. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2019 , 194, 866-878	1	5
110	Saccharin: a cheap and mild acidic agent for the synthesis of azo dyes via telescoped dediazotization. <i>Green Processing and Synthesis</i> , 2019 , 8, 24-29	3.9	4
109	Saccharin: an efficient organocatalyst for the one-pot synthesis of 4-amidocinnolines under metal and halogen-free conditions. <i>Monatshefte für Chemie</i> , 2018 , 149, 1083-1087	1.4	7
108	Effects of various hydrogenated temperatures on photocatalytic activity of mesoporous titanium dioxide. <i>Micro and Nano Letters</i> , 2018 , 13, 77-82	0.9	5
107	Waste to energy: the effects of <i>Pseudomonas</i> sp. on <i>Chlorella sorokiniana</i> biomass and lipid productions in palm oil mill effluent. <i>Clean Technologies and Environmental Policy</i> , 2018 , 20, 2037-2045	4.3	24
106	One-pot hydrothermal synthesis of strontium titanate nanoparticles photoelectrode using electrophoretic deposition for enhancing photoelectrochemical water splitting. <i>Ceramics International</i> , 2018 , 44, 9923-9933	5.1	16
105	Environmental Control of Vanadium Haloperoxidases and Halocarbon Emissions in Macroalgae. <i>Marine Biotechnology</i> , 2018 , 20, 282-303	3.4	16
104	Conversion of glucose into lactic acid using silica-supported zinc oxide as solid acid catalyst. <i>Pure and Applied Chemistry</i> , 2018 , 90, 1035-1043	2.1	4
103	Development of catalyst complexes for upgrading biomass into ester-based biolubricants for automotive applications: a review.. <i>RSC Advances</i> , 2018 , 8, 5559-5577	3.7	20
102	Evaluating new bio-hydrogen producers: <i>Clostridium perfringens</i> strain JJC, <i>Clostridium bifermentans</i> strain WYM and <i>Clostridium</i> sp. strain Ade.TY. <i>Journal of Bioscience and Bioengineering</i> , 2018 , 125, 590-598	3.3	27
101	Separation of <i>Chlorella</i> biomass from culture medium by flocculation with rice starch. <i>Algal Research</i> , 2018 , 30, 162-172	5	10
100	Promoting deoxygenation of triglycerides via Co-Ca loaded SiO ₂ -Al ₂ O ₃ catalyst. <i>Applied Catalysis A: General</i> , 2018 , 552, 38-48	5.1	36
99	The relationship between iron and Ilmenite for photocatalyst degradation. <i>Advanced Powder Technology</i> , 2018 , 29, 1779-1786	4.6	4
98	Modified mesoporous HMS supported Ni for deoxygenation of triolein into hydrocarbon-biofuel production. <i>Energy Conversion and Management</i> , 2018 , 165, 495-508	10.6	49
97	Two novel binuclear sulfonic-functionalized ionic liquids: Influence of anion and carbon-spacer on catalytic efficiency for one-pot synthesis of bis(indolyl)methanes. <i>Journal of Molecular Liquids</i> , 2018 , 259, 260-273	6	17
96	Enhancing biomass and lipid productions of microalgae in palm oil mill effluent using carbon and nutrient supplementation. <i>Energy Conversion and Management</i> , 2018 , 164, 188-197	10.6	58
95	Mild cell disruption methods for bio-functional proteins recovery from microalgaeRecent developments and future perspectives. <i>Algal Research</i> , 2018 , 31, 506-516	5	55
94	An overview on the development of conventional and alternative extractive methods for the purification of agarose from seaweed. <i>Separation Science and Technology</i> , 2018 , 53, 467-480	2.5	12

93	An Efficient Synthesis of Pyrrolidinone Derivatives in the Presence of 1,1?-Butylenebis(3-sulfo-3H-imidazol-1-ium) Chloride. <i>Australian Journal of Chemistry</i> , 2018 , 71, 566	1.2	8
92	Microalgae cultivation in palm oil mill effluent (POME) for lipid production and pollutants removal. <i>Energy Conversion and Management</i> , 2018 , 174, 430-438	10.6	49
91	One-step Solvothermal Synthesis of rGO/TiO ₂ Nanocomposite for Efficient Solar Photocatalytic Degradation of Methylene Blue Dye. <i>Current Nanoscience</i> , 2018 , 15, 157-162	1.4	12
90	Electrical, dielectric and electrochemical characterization of novel poly(acrylic acid)-based polymer electrolytes complexed with lithium tetrafluoroborate. <i>Chemical Physics Letters</i> , 2018 , 692, 19-27	2.5	16
89	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> , 2018 , 74, 267-276	4.3	28
88	Starch-based flocculant outperformed aluminium sulfate hydrate and polyaluminium chloride through effective bridging for harvesting acicular microalga <i>Ankistrodesmus</i> . <i>Algal Research</i> , 2018 , 29, 343-353	5	11
87	Stability of custom-designed photoreactor for photocatalytic oxidation of Reactive Black 5 dye using zinc oxide. <i>Corrosion Engineering Science and Technology</i> , 2018 , 53, 462-467	1.7	1
86	Saccharin and tert-Butyl Nitrite: Cheap and Efficient Reagents for the Synthesis of 1,2,3-Benzotriazine-4-(3H)-ones from 2-Aminobenzamides under Metal-Free Conditions. <i>Australian Journal of Chemistry</i> , 2018 , 71, 186	1.2	8
85	Synthesis of 2D boron nitride doped polyaniline hybrid nanocomposites for photocatalytic degradation of carcinogenic dyes from aqueous solution. <i>Arabian Journal of Chemistry</i> , 2018 , 11, 1000-1016	5.9	45
84	Enhance of TiO ₂ dopants incorporated reduced graphene oxide via RF magnetron sputtering for efficient dye-sensitised solar cells. <i>Rare Metals</i> , 2018 , 37, 919-928	5.5	9
83	Sonication and grinding pre-treatments on <i>Gelidium amansii</i> seaweed for the extraction and characterization of Agarose. <i>Frontiers of Environmental Science and Engineering</i> , 2018 , 12, 1	5.8	14
82	An application of ultrasound technology in synthesis of titania-based photocatalyst for degrading pollutant. <i>Chemical Engineering Journal</i> , 2017 , 317, 586-612	14.7	66
81	Microalgae biorefinery: High value products perspectives. <i>Bioresource Technology</i> , 2017 , 229, 53-62	11	696
80	The contribution of leaching to nutrient release from leaf litter of two emergent tree species in a Malaysian tropical peat swamp forest. <i>Hydrobiologia</i> , 2017 , 794, 125-137	2.4	8
79	Stability of tungsten oxide nanotubes film for improving photocatalytic oxidation reaction. <i>Corrosion Engineering Science and Technology</i> , 2017 , 52, 405-410	1.7	0
78	Highly Active Ruthenium Supported on Magnetically Recyclable Chitosan-Based Nanocatalyst for Nitroarenes Reduction. <i>ChemCatChem</i> , 2017 , 9, 3930-3941	5.2	20
77	Effect of adding brewery wastewater to pulp and paper mill effluent to enhance the photofermentation process: wastewater characteristics, biohydrogen production, overall performance, and kinetic modeling. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 10354-10363	5.1	23
76	Ilmenite: Properties and photodegradation kinetic on Reactive Black 5 dye. <i>Chinese Chemical Letters</i> , 2017 , 28, 1613-1618	8.1	6

75	Cobalt oxide nanocubes interleaved reduced graphene oxide as an efficient electrocatalyst for oxygen reduction reaction in alkaline medium. <i>Electrochimica Acta</i> , 2017 , 237, 61-68	6.7	42
74	Catalytic deoxygenation of triglycerides to green diesel over modified CaO-based catalysts. <i>RSC Advances</i> , 2017 , 7, 46445-46460	3.7	32
73	Polymeric Nanocomposites for Visible-Light-Induced Photocatalysis. <i>Springer Series on Polymer and Composite Materials</i> , 2017 , 175-201	0.9	0
72	Facile preparation of nanocrystalline TiO ₂ thin films using electrophoretic deposition for enhancing photoelectrochemical water splitting response. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 16244-16253	2.1	7
71	Recent progress in catalytic conversion of microalgae oil to green hydrocarbon: A review. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017 , 79, 116-124	5.3	25
70	Red Seaweed Pulp as a Separator in Rechargeable Al-anode Battery. <i>Polymers and Polymer Composites</i> , 2017 , 25, 521-526	0.8	2
69	Reduced Graphene Oxide - Titania Nanocomposite Film for Improving Dye-Sensitized Solar Cell (DSSCs) Performance. <i>Current Nanoscience</i> , 2017 , 13,	1.4	9
68	Recent developments of zinc oxide based photocatalyst in water treatment technology: A review. <i>Water Research</i> , 2016 , 88, 428-448	12.5	1284
67	Efficient enzyme-catalysed transesterification of microalgal biomass from <i>Chlamydomonas</i> sp.. <i>Energy</i> , 2016 , 116, 1370-1373	7.9	5
66	Recent advances of titanium dioxide (TiO ₂) for green organic synthesis. <i>RSC Advances</i> , 2016 , 6, 108741-108754	10.7	5487
65	Metallic and semiconducting carbon nanotubes separation using an aqueous two-phase separation technique: a review. <i>Nanotechnology</i> , 2016 , 27, 332002	3.4	19
64	Cultivation in wastewaters for energy: A microalgae platform. <i>Applied Energy</i> , 2016 , 179, 609-625	10.7	131
63	Production of new cellulose nanomaterial from red algae marine biomass <i>Gelidium elegans</i> . <i>Carbohydrate Polymers</i> , 2016 , 151, 1210-1219	10.3	193
62	Characterization of partitioning behaviors of immunoglobulin G in polymer-salt aqueous two-phase systems. <i>Journal of Bioscience and Bioengineering</i> , 2016 , 122, 613-619	3.3	6
61	Enzymatic transesterification for biodiesel production: a comprehensive review. <i>RSC Advances</i> , 2016 , 6, 60034-60055	3.7	108
60	A review of polymer electrolytes: fundamental, approaches and applications. <i>Ionics</i> , 2016 , 22, 1259-1279	2.7	307
59	Reusing pulp and paper mill effluent as a bioresource to produce biohydrogen through ultrasonicated <i>Rhodobacter sphaeroides</i> . <i>Energy Conversion and Management</i> , 2016 , 113, 273-280	10.6	40
58	Effective role of trifluoroacetic acid (TFA) to enhance the photocatalytic activity of F-doped TiO ₂ prepared by modified sol-gel method. <i>Applied Surface Science</i> , 2016 , 365, 57-68	6.7	53

57	Pyrolytic deoxygenation of triglyceride via natural waste shell derived Ca(OH) ₂ nanocatalyst. <i>Journal of Analytical and Applied Pyrolysis</i> , 2016 , 117, 46-55	6	26
56	Production of Cyclodextrin by <i>Bacillus cereus</i> cyclodextrin glycosyltransferase using extractive bioconversion in polymer-salt aqueous two-phase system. <i>Journal of Bioscience and Bioengineering</i> , 2016 , 121, 692-696	3.3	12
55	Electrochemical Sensor Based on Single-Walled Carbon Nanotube/ZnO Photocatalyst Nanocomposite Modified Electrode for the Determination of Paracetamol. <i>Science of Advanced Materials</i> , 2016 , 8, 788-796	2.3	12
54	Environment-Friendly Heterogeneous Alkaline-Based Mixed Metal Oxide Catalysts for Biodiesel Production. <i>Energies</i> , 2016 , 9, 611	3.1	32
53	SrTiO ₃ Nanocube-Doped Polyaniline Nanocomposites with Enhanced Photocatalytic Degradation of Methylene Blue under Visible Light. <i>Polymers</i> , 2016 , 8,	4.5	87
52	Synthesis of reduced graphene oxide/tungsten trioxide nanocomposite electrode for high electrochemical performance. <i>Ceramics International</i> , 2016 , 42, 13128-13135	5.1	21
51	Synergetic effects in novel hydrogenated F-doped TiO ₂ photocatalysts. <i>Applied Surface Science</i> , 2016 , 370, 380-393	6.7	87
50	Biorefineries of carbon dioxide: From carbon capture and storage (CCS) to bioenergies production. <i>Bioresource Technology</i> , 2016 , 215, 346-356	11	111
49	Waste clamshell-derived CaO supported Co and W catalysts for renewable fuels production via cracking-deoxygenation of triolein. <i>Journal of Analytical and Applied Pyrolysis</i> , 2016 , 120, 110-120	6	46
48	Organotemplate-free hydrothermal synthesis of NaKX-2 aluminophosphate basic catalyst. <i>Materials Letters</i> , 2016 , 182, 344-346	3.3	5
47	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> , 2016 , 68, 153-161	5.3	23
46	Litterfall production and chemistry of <i>Koompassia malaccensis</i> and <i>Shorea uliginosa</i> in a tropical peat swamp forest: plant nutrient regulation and climate relationships. <i>Trees - Structure and Function</i> , 2015 , 29, 527-537	2.6	19
45	Synthesis and Characterization of TiO ₂ Nanoparticles via Alternative Sol-Gel Preparation Routes. <i>Advanced Materials Research</i> , 2015 , 1087, 191-196	0.5	2
44	Enhancement of the intrinsic photocatalytic activity of TiO ₂ in the degradation of 1,3,5-triazine herbicides by doping with N,F. <i>Chemical Engineering Journal</i> , 2015 , 280, 330-343	14.7	47
43	Facile sonochemical synthesis of N,Cl-codoped TiO ₂ : Synthesis effects, mechanism and photocatalytic performance. <i>Catalysis Today</i> , 2015 , 256, 365-374	5.3	46
42	Facile Synthesis of One-Dimensional Titania Nanotubes via Hydrothermal Method. <i>Advanced Materials Research</i> , 2015 , 1087, 182-185	0.5	
41	Improved biohydrogen production and treatment of pulp and paper mill effluent through ultrasonication pretreatment of wastewater. <i>Energy Conversion and Management</i> , 2015 , 106, 576-583	10.6	33
40	Influence of triblock copolymer (pluronic F127) on enhancing the physico-chemical properties and photocatalytic response of mesoporous TiO ₂ . <i>Applied Surface Science</i> , 2015 , 355, 959-968	6.7	23

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