

# Juan Joon Ching

## List of Publications by Citations

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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	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
181	Microalgae biorefinery: High value products perspectives. <i>Bioresource Technology</i> , <b>2017</b> , 229, 53-62	11	696
180	Recent developments of metal oxide semiconductors as photocatalysts in advanced oxidation processes (AOPs) for treatment of dye waste-water. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2011</b> , 86, 1130-1158	3.5	422
179	A review of polymer electrolytes: fundamental, approaches and applications. <i>Ionics</i> , <b>2016</b> , 22, 1259-1279	2.7	307
178	Biosequestration of atmospheric CO <sub>2</sub> and flue gas-containing CO <sub>2</sub> by microalgae. <i>Bioresource Technology</i> , <b>2015</b> , 184, 190-201	11	295
177	Biodiesel production from Jatropha oil by catalytic and non-catalytic approaches: an overview. <i>Bioresource Technology</i> , <b>2011</b> , 102, 452-60	11	230
176	A review of sustainable hydrogen production using seed sludge via dark fermentation. <i>Renewable and Sustainable Energy Reviews</i> , <b>2014</b> , 34, 471-482	16.2	201
175	Production of new cellulose nanomaterial from red algae marine biomass <i>Gelidium elegans</i> . <i>Carbohydrate Polymers</i> , <b>2016</b> , 151, 1210-1219	10.3	193
174	Process optimization design for jatropha-based biodiesel production using response surface methodology. <i>Fuel Processing Technology</i> , <b>2011</b> , 92, 2420-2428	7.2	159
173	Biohydrogen production through photo fermentation or dark fermentation using waste as a substrate: Overview, economics, and future prospects of hydrogen usage. <i>Biofuels, Bioproducts and Biorefining</i> , <b>2013</b> , 7, 334-352	5.3	132
172	Cultivation in wastewaters for energy: A microalgae platform. <i>Applied Energy</i> , <b>2016</b> , 179, 609-625	10.7	131
171	Preparation and application of binary acidBase CaO/Al <sub>2</sub> O <sub>3</sub> catalyst for biodiesel production. <i>Renewable Energy</i> , <b>2015</b> , 74, 124-132	8.1	118
170	Biorefineries of carbon dioxide: From carbon capture and storage (CCS) to bioenergies production. <i>Bioresource Technology</i> , <b>2016</b> , 215, 346-356	11	111
169	Enzymatic transesterification for biodiesel production: a comprehensive review. <i>RSC Advances</i> , <b>2016</b> , 6, 60034-60055	3.7	108
168	Transesterification of non-edible <i>Jatropha curcas</i> oil to biodiesel using binary Ca/Mg mixed oxide catalyst: Effect of stoichiometric composition. <i>Chemical Engineering Journal</i> , <b>2011</b> , 178, 342-347	14.7	107
167	Potential use of rice starch in coagulation/flocculation process of agro-industrial wastewater: Treatment performance and flocs characterization. <i>Ecological Engineering</i> , <b>2014</b> , 71, 509-519	3.9	106
166	Conventional and emerging technologies for removal of antibiotics from wastewater. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 400, 122961	12.8	104

165	12-Tungstophosphoric acid supported on MCM-41 for esterification of fatty acid under solvent-free condition. <i>Journal of Molecular Catalysis A</i> , <b>2007</b> , 267, 265-271		94
164	Recent advances of titanium dioxide (TiO <sub>2</sub> ) for green organic synthesis. <i>RSC Advances</i> , <b>2016</b> , 6, 108741-108754	5.9	87
163	Optimization of agro-industrial wastewater treatment using unmodified rice starch as a natural coagulant. <i>Industrial Crops and Products</i> , <b>2014</b> , 56, 17-26	4.5	87
162	SrTiO <sub>3</sub> Nanocube-Doped Polyaniline Nanocomposites with Enhanced Photocatalytic Degradation of Methylene Blue under Visible Light. <i>Polymers</i> , <b>2016</b> , 8,	6.7	87
161	Synergetic effects in novel hydrogenated F-doped TiO <sub>2</sub> photocatalysts. <i>Applied Surface Science</i> , <b>2016</b> , 370, 380-393	6.7	72
160	Surface modification of mixed-phase hydrogenated TiO <sub>2</sub> and corresponding photocatalytic response. <i>Applied Surface Science</i> , <b>2015</b> , 359, 883-896	16.2	69
159	Recent advances in reuse of waste material as substrate to produce biohydrogen by purple non-sulfur (PNS) bacteria. <i>Renewable and Sustainable Energy Reviews</i> , <b>2012</b> , 16, 3117-3122	14.7	66
158	An application of ultrasound technology in synthesis of titania-based photocatalyst for degrading pollutant. <i>Chemical Engineering Journal</i> , <b>2017</b> , 317, 586-612	10.6	58
157	Enhancing biomass and lipid productions of microalgae in palm oil mill effluent using carbon and nutrient supplementation. <i>Energy Conversion and Management</i> , <b>2018</b> , 164, 188-197	5.1	56
156	Sulfonic acid functionalized MCM-41 as solid acid catalyst for tert-butylation of hydroquinone enhanced by microwave heating. <i>Applied Catalysis A: General</i> , <b>2013</b> , 450, 34-41	5	55
155	Mild cell disruption methods for bio-functional proteins recovery from microalgae: Recent developments and future perspectives. <i>Algal Research</i> , <b>2018</b> , 31, 506-516	6.7	54
154	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	53
153	Effective role of trifluoroacetic acid (TFA) to enhance the photocatalytic activity of F-doped TiO <sub>2</sub> prepared by modified sol-gel method. <i>Applied Surface Science</i> , <b>2016</b> , 365, 57-68		50
152	Heterogeneous base catalysts for edible palm and non-edible <i>Jatropha</i> -based biodiesel production. <i>Chemistry Central Journal</i> , <b>2014</b> , 8, 30	10.6	49
151	Modified mesoporous HMS supported Ni for deoxygenation of triolein into hydrocarbon-biofuel production. <i>Energy Conversion and Management</i> , <b>2018</b> , 165, 495-508	10.6	49
150	Microalgae cultivation in palm oil mill effluent (POME) for lipid production and pollutants removal. <i>Energy Conversion and Management</i> , <b>2018</b> , 174, 430-438	14.7	47
149	Enhancement of the intrinsic photocatalytic activity of TiO <sub>2</sub> in the degradation of 1,3,5-triazine herbicides by doping with N,F. <i>Chemical Engineering Journal</i> , <b>2015</b> , 280, 330-343	5.3	46
148	Facile sonochemical synthesis of N,Cl-codoped TiO <sub>2</sub> : Synthesis effects, mechanism and photocatalytic performance. <i>Catalysis Today</i> , <b>2015</b> , 256, 365-374		

147	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> , <b>2016</b> , 120, 110-120	6	46
146	Synthesis of 2D boron nitride doped polyaniline hybrid nanocomposites for photocatalytic degradation of carcinogenic dyes from aqueous solution. <i>Arabian Journal of Chemistry</i> , <b>2018</b> , 11, 1000-1016	5.9	45
145	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
144	Cobalt oxide nanocubes interleaved reduced graphene oxide as an efficient electrocatalyst for oxygen reduction reaction in alkaline medium. <i>Electrochimica Acta</i> , <b>2017</b> , 237, 61-68	6.7	42
143	Overview on catalytic deoxygenation for biofuel synthesis using metal oxide supported catalysts. <i>Renewable and Sustainable Energy Reviews</i> , <b>2019</b> , 112, 834-852	16.2	42
142	Investigation into photocatalytic decolorisation of CI Reactive Black 5 using titanium dioxide nanopowder. <i>Coloration Technology</i> , <b>2012</b> , 128, 44-50	2	42
141	Synthesis and characteristics of a novel rare earth complex of Eu(TTA) <sub>2</sub> (N-HPA)Phen. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2007</b> , 188, 155-160	4.7	42
140	Controlled nitrogen insertion in titanium dioxide for optimal photocatalytic degradation of atrazine. <i>RSC Advances</i> , <b>2015</b> , 5, 44041-44052	3.7	41
139	Reusing pulp and paper mill effluent as a bioresource to produce biohydrogen through ultrasonicated <i>Rhodobacter sphaeroides</i> . <i>Energy Conversion and Management</i> , <b>2016</b> , 113, 273-280	10.6	40
138	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
137	Promoting deoxygenation of triglycerides via Co-Ca loaded SiO <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub> catalyst. <i>Applied Catalysis A: General</i> , <b>2018</b> , 552, 38-48	5.1	36
136	Supported zirconium sulfate on carbon nanotubes as water-tolerant solid acid catalyst. <i>Materials Research Bulletin</i> , <b>2007</b> , 42, 1278-1285	5.1	36
135	Improved biohydrogen production and treatment of pulp and paper mill effluent through ultrasonication pretreatment of wastewater. <i>Energy Conversion and Management</i> , <b>2015</b> , 106, 576-583	10.6	33
134	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
133	Catalytic deoxygenation of triglycerides to green diesel over modified CaO-based catalysts. <i>RSC Advances</i> , <b>2017</b> , 7, 46445-46460	3.7	32
132	High efficiency bio-hydrogen production from glucose revealed in an inoculum of heat-pretreated landfill leachate sludge. <i>Energy</i> , <b>2014</b> , 72, 628-635	7.9	32
131	Environment-Friendly Heterogeneous Alkaline-Based Mixed Metal Oxide Catalysts for Biodiesel Production. <i>Energies</i> , <b>2016</b> , 9, 611	3.1	32
130	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

129	Study of catalysts comprising zirconium sulfate supported on a mesoporous molecular sieve HMS for esterification of fatty acids under solvent-free condition. <i>Applied Catalysis A: General</i> , <b>2008</b> , 347, 133-141	5.1	31
128	Effective photoreduction of graphene oxide for photodegradation of volatile organic compounds.. <i>RSC Advances</i> , <b>2019</b> , 9, 18076-18086	3.7	30
127	Structure and reactivity of silica-supported zirconium sulfate for esterification of fatty acid under solvent-free condition. <i>Applied Catalysis A: General</i> , <b>2007</b> , 332, 209-215	5.1	30
126	The role of nanosized zeolite Y in the H <sub>2</sub> -free catalytic deoxygenation of triolein. <i>Catalysis Science and Technology</i> , <b>2019</b> , 9, 772-782	5.5	29
125	Evaluation on the Photocatalytic Degradation Activity of Reactive Blue 4 using Pure Anatase Nano-TiO <sub>2</sub> <b>2015</b> , 44, 1011-1019		29
124	Advancement in heterogeneous base catalyzed technology: An efficient production of biodiesel fuels. <i>Journal of Renewable and Sustainable Energy</i> , <b>2015</b> , 7, 032701	2.5	28
123	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
122	Deoxygenation of triolein to green diesel in the H <sub>2</sub> -free condition: Effect of transition metal oxide supported on zeolite Y. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2020</b> , 147, 104797	6	27
121	Evaluating new bio-hydrogen producers: Clostridium perfringens strain JJC, Clostridium bifermentans strain WYM and Clostridium sp. strain Ade.TY. <i>Journal of Bioscience and Bioengineering</i> , <b>2018</b> , 125, 590-598	3.3	27
120	Zirconium sulfate supported on activated carbon as catalyst for esterification of oleic acid by n-butanol under solvent-free conditions. <i>Catalysis Letters</i> , <b>2007</b> , 117, 153-158	2.8	27
119	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
118	Effect of reaction conditions on the lifetime of SAPO-34 catalysts in methanol to olefins process □ A review. <i>Fuel</i> , <b>2021</b> , 283, 118851	7.1	27
117	Pyrolytic deoxygenation of triglyceride via natural waste shell derived Ca(OH) <sub>2</sub> nanocatalyst. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2016</b> , 117, 46-55	6	26
116	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
115	Recent progress in catalytic conversion of microalgae oil to green hydrocarbon: A review. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2017</b> , 79, 116-124	5.3	25
114	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> , <b>2019</b> , 246, 112-119	3.1	24
113	Waste to energy: the effects of Pseudomonas sp. on Chlorella sorokiniana biomass and lipid productions in palm oil mill effluent. <i>Clean Technologies and Environmental Policy</i> , <b>2018</b> , 20, 2037-2045	4.3	24
112	A review on catalytic hydrodeoxygenation of lignin to transportation fuels by using nickel-based catalysts. <i>Renewable and Sustainable Energy Reviews</i> , <b>2021</b> , 138, 110667	16.2	24

111	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> , <b>2017</b> , 24, 10354-10363	5.1	23
110	Efficient deoxygenation of triglycerides to hydrocarbon-biofuel over mesoporous Al <sub>2</sub> O <sub>3</sub> -TiO <sub>2</sub> catalyst. <i>Fuel Processing Technology</i> , <b>2019</b> , 194, 106120	7.2	23
109	Influence of triblock copolymer (pluronic F127) on enhancing the physico-chemical properties and photocatalytic response of mesoporous TiO <sub>2</sub> . <i>Applied Surface Science</i> , <b>2015</b> , 355, 959-968	6.7	23
108	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
107	Landfill leachate wastewater treatment to facilitate resource recovery by a coagulation-flocculation process via hydrogen bond. <i>Chemosphere</i> , <b>2021</b> , 262, 127829	8.4	23
106	The zirconium sulfate microcrystal structure in relation to their activity in the esterification. <i>Journal of Molecular Catalysis A</i> , <b>2007</b> , 272, 91-95		21
105	Efficient Esterification of Fatty Acids with Alcohols Catalyzed by Zr(SO <sub>4</sub> ) <sub>2</sub> · 4H <sub>2</sub> O Under Solvent-Free Condition. <i>Catalysis Letters</i> , <b>2008</b> , 126, 319-324	2.8	21
104	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
103	Highly Active Ruthenium Supported on Magnetically Recyclable Chitosan-Based Nanocatalyst for Nitroarenes Reduction. <i>ChemCatChem</i> , <b>2017</b> , 9, 3930-3941	5.2	20
102	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> , <b>2019</b> , 191, 227	3.1	20
101	Development of catalyst complexes for upgrading biomass into ester-based biolubricants for automotive applications: a review.. <i>RSC Advances</i> , <b>2018</b> , 8, 5559-5577	3.7	20
100	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> , <b>2015</b> , 29, 527-537	2.6	19
99	Metallic and semiconducting carbon nanotubes separation using an aqueous two-phase separation technique: a review. <i>Nanotechnology</i> , <b>2016</b> , 27, 332002	3.4	19
98	Ethylene production from ethanol dehydration over mesoporous SBA-15 catalyst derived from palm oil clinker waste. <i>Journal of Cleaner Production</i> , <b>2020</b> , 249, 119323	10.3	18
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> , <b>2018</b> , 259, 260-273	6	17
96	Morphology-Controlled Synthesis of FeO Nanocrystals Impregnated on g-CN-SOH with Ultrafast Charge Separation for Photoreduction of Cr (VI) Under Visible Light. <i>Environmental Pollution</i> , <b>2020</b> , 267, 115491	9.3	17
95	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
94	Gallium-Immobilized Carbon Nanotubes as Solid Templates for the Synthesis of Hierarchical Ga/ZSM-5 in Methanol Aromatization. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 7948-7956	3.9	16



93	Sustainable landfill leachate treatment: Optimize use of guar gum as natural coagulant and floc characterization. <i>Environmental Research</i> , <b>2020</b> , 188, 109737	7.9	16
92	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
91	Environmental Control of Vanadium Haloperoxidases and Halocarbon Emissions in Macroalgae. <i>Marine Biotechnology</i> , <b>2018</b> , 20, 282-303	3.4	16
90	Characterization of bovine serum albumin partitioning behaviors in polymer-salt aqueous two-phase systems. <i>Journal of Bioscience and Bioengineering</i> , <b>2015</b> , 120, 85-90	3.3	16
89	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
88	Production of bio-hydrogen from dairy wastewater using pretreated landfill leachate sludge as an inoculum. <i>Journal of Bioscience and Bioengineering</i> , <b>2019</b> , 127, 150-159	3.3	16
87	Electrical, dielectric and electrochemical characterization of novel poly(acrylic acid)-based polymer electrolytes complexed with lithium tetrafluoroborate. <i>Chemical Physics Letters</i> , <b>2018</b> , 692, 19-27	2.5	16
86	Preparation and Catalytic Application of Novel Water Tolerant Solid Acid Catalysts of Zirconium Sulfate/HZSM-5. <i>Chemical Research in Chinese Universities</i> , <b>2007</b> , 23, 349-354	2.2	15
85	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
84	Hydroamination of cyclohexene enhanced by ZnCl <sub>2</sub> nanoparticles supported on chiral mesoporous silica. <i>Chemical Engineering Journal</i> , <b>2014</b> , 243, 99-107	14.7	14
83	Catalytic hydrodeoxygenation of dibenzofuran to fuel graded molecule over mesoporous supported bimetallic catalysts. <i>Fuel</i> , <b>2019</b> , 236, 236-243	7.1	14
82	Catalytic deoxygenation of triolein to green fuel over mesoporous TiO <sub>2</sub> aided by in situ hydrogen production. <i>International Journal of Hydrogen Energy</i> , <b>2020</b> , 45, 11605-11614	6.7	14
81	Sonication and grinding pre-treatments on Gelidium amansii seaweed for the extraction and characterization of Agarose. <i>Frontiers of Environmental Science and Engineering</i> , <b>2018</b> , 12, 1	5.8	14
80	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
79	An overview on the development of conventional and alternative extractive methods for the purification of agarose from seaweed. <i>Separation Science and Technology</i> , <b>2018</b> , 53, 467-480	2.5	12
78	Production of Cyclodextrin by Bacillus cereus cyclodextrin glycosyltransferase using extractive bioconversion in polymer-salt aqueous two-phase system. <i>Journal of Bioscience and Bioengineering</i> , <b>2016</b> , 121, 692-696	3.3	12
77	Electrochemical Sensor Based on Single-Walled Carbon Nanotube/ZnO Photocatalyst Nanocomposite Modified Electrode for the Determination of Paracetamol. <i>Science of Advanced Materials</i> , <b>2016</b> , 8, 788-796	2.3	12
76	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

75	Preparation and characterization of HypoGel-supported Pd nanocatalysts for Suzuki reaction under mild conditions. <i>Chinese Journal of Catalysis</i> , <b>2015</b> , 36, 771-777	11.3	11
74	Starch-based flocculant outperformed aluminium sulfate hydrate and polyaluminium chloride through effective bridging for harvesting acicular microalga <i>Ankistrodesmus</i> . <i>Algal Research</i> , <b>2018</b> , 29, 343-353	5	11
73	Separation of <i>Chlorella</i> biomass from culture medium by flocculation with rice starch. <i>Algal Research</i> , <b>2018</b> , 30, 162-172	5	10
72	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> , <b>2019</b> , 72, 194	1.2	10
71	Preparation of novel nanostructured WO <sub>3</sub> /CuMnO p-n heterojunction nanocomposite for photoelectrochemical detection of nitrofurazone. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 596, 108-118	9.3	10
70	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
69	Enhanced luminescence of Eu(3+) by Y(3+) in ternary complexes Eu(X)Y(1-X)(TTA) <sub>3</sub> Dipy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2007</b> , 68, 382-6	4.4	9
68	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
67	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> , <b>2017</b> , 794, 125-137	2.4	8
66	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> , <b>2018</b> , 71, 566	1.2	8
65	Electrocatalytic Study of Paracetamol at a Single-Walled Carbon Nanotube/Nickel Nanocomposite Modified Glassy Carbon Electrode. <i>Advances in Materials Science and Engineering</i> , <b>2015</b> , 2015, 1-8	1.5	8
64	Recent Catalytic Advances in the Synthesis of Organic Symmetric Disulfides. <i>Current Organic Chemistry</i> , <b>2020</b> , 24, 550-581	1.7	8
63	Rational design of built-in stannic oxide-copper manganate microrods p-n heterojunction for photoelectrochemical sensing of tetracycline. <i>Chemosphere</i> , <b>2021</b> , 271, 129788	8.4	8
62	An Overview of Recent Advances in the Synthesis of Organic Unsymmetrical Disulfides. <i>Helvetica Chimica Acta</i> , <b>2021</b> , 104, e2100053	2	8
61	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> , <b>2018</b> , 71, 186	1.2	8
60	Saccharin: an efficient organocatalyst for the one-pot synthesis of 4-amidocinnolines under metal and halogen-free conditions. <i>Monatshefte Für Chemie</i> , <b>2018</b> , 149, 1083-1087	1.4	7
59	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
58	QuadraPure-supported palladium nanocatalysts for microwave-promoted Suzuki cross-coupling reaction under aerobic condition. <i>Scientific World Journal, The</i> , <b>2014</b> , 2014, 796196	2.2	7



57	New Perspective in Recent Solid Acid Catalyst. <i>Materials Science Forum</i> , <b>2006</b> , 517, 117-122	0.4	7
56	Conversion of Microalgae Biomass to Biofuels <b>2020</b> , 149-161		7
55	Deposition of NiO Nanoparticles on Nanosized Zeolite NaY for Production of Biofuel via Hydrogen-Free Deoxygenation. <i>Materials</i> , <b>2020</b> , 13,	3.5	7
54	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
53	Ilmenite: Properties and photodegradation kinetic on Reactive Black 5 dye. <i>Chinese Chemical Letters</i> , <b>2017</b> , 28, 1613-1618	8.1	6
52	Characterization of partitioning behaviors of immunoglobulin G in polymer-salt aqueous two-phase systems. <i>Journal of Bioscience and Bioengineering</i> , <b>2016</b> , 122, 613-619	3.3	6
51	Recent advancement in deoxygenation of fatty acids via homogeneous catalysis for biofuel production. <i>Molecular Catalysis</i> , <b>2020</b> , 111207	3.3	6
50	Optical Management of CQD/AgNP@SiNW Arrays with Highly Efficient Capability of Dye Degradation. <i>Catalysts</i> , <b>2021</b> , 11, 399	4	6
49	Reaction and hydrogen production phenomena of ethanol steam reforming in a catalytic membrane reactor. <i>Energy</i> , <b>2021</b> , 220, 119737	7.9	6
48	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> , <b>2019</b> , 278, 19-32	6	6
47	Production of green biofuel by using a goat manure supported Ni-Al hydrotalcite catalysed deoxygenation process.. <i>RSC Advances</i> , <b>2019</b> , 9, 1642-1652	3.7	5
46	Palladium-Catalysed Cross-Coupling Reactions for the Synthesis of Chalcones. <i>Asian Journal of Organic Chemistry</i> , <b>2019</b> , 8, 1174-1193	3	5
45	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> , <b>2019</b> , 37, 871-880	1.5	5
44	Evaluation of the physico-mechanical properties of activated-carbon enhanced recycled polyethylene/polypropylene 3D printing filament. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , <b>2020</b> , 45, 1	1	5
43	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
42	Efficient enzyme-catalysed transesterification of microalgal biomass from <i>Chlamydomonas</i> sp.. <i>Energy</i> , <b>2016</b> , 116, 1370-1373	7.9	5
41	Organotemplate-free hydrothermal synthesis of NaNKX-2 aluminophosphate basic catalyst. <i>Materials Letters</i> , <b>2016</b> , 182, 344-346	3.3	5
40	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> , <b>2019</b> , 194, 866-878	1	5

39	Highly active iron-promoted hexagonal mesoporous silica (HMS) for deoxygenation of triglycerides to green hydrocarbon-like biofuel. <i>Fuel</i> , <b>2022</b> , 308, 121860	7.1	5
38	Mesoporous and other types of catalysts for conversion of non-edible oil to biogasoline via deoxygenation <b>2019</b> , 257-281		4
37	Conversion of glucose into lactic acid using silica-supported zinc oxide as solid acid catalyst. <i>Pure and Applied Chemistry</i> , <b>2018</b> , 90, 1035-1043	2.1	4
36	The relationship between iron and Ilmenite for photocatalyst degradation. <i>Advanced Powder Technology</i> , <b>2018</b> , 29, 1779-1786	4.6	4
35	Single-Walled Carbon Nanotube/Tungsten-Modified Glassy Carbon Electrode as a Novel Sensor for the Electrochemical Determination of Ascorbic Acid. <i>Sensor Letters</i> , <b>2015</b> , 13, 411-418	0.9	4
34	Hybrid Graphene Titanium Nanocomposites and Their Applications in Energy Storage Devices: a Review. <i>Journal of Electronic Materials</i> , <b>2020</b> , 49, 1777-1786	1.9	4
33	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> , <b>2020</b> , 262, 114762	3.1	4
32	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> , <b>2019</b> , 150, 655-662	1.4	4
31	Identification of novel chemical structures of sulfo-imidazolium zwitterionic-type salt basis on 2D NMR analysis. <i>Journal of Molecular Structure</i> , <b>2019</b> , 1180, 280-284	3.4	4
30	Saccharin: a cheap and mild acidic agent for the synthesis of azo dyes via telescoped dediazotization. <i>Green Processing and Synthesis</i> , <b>2019</b> , 8, 24-29	3.9	4
29	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> , <b>2021</b> , 375, 70-78	5.3	4
28	Practical and efficient recyclable oxidative system for the preparation of symmetrical disulfides under aerobic conditions. <i>Journal of Sulfur Chemistry</i> , <b>2021</b> , 42, 281-294	2.3	4
27	Highly Mesoporous g-CN with Uniform Pore Size Distribution via the Template-Free Method to Enhanced Solar-Driven Tetracycline Degradation. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	4
26	A high-capacity of oxygen induced SrTiO <sub>3</sub> cathode material for rechargeable Alkaline Zinc battery. <i>Materials Science in Semiconductor Processing</i> , <b>2021</b> , 130, 105802	4.3	4
25	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> , <b>2020</b> , 5, 13719-13728	3.9	3
24	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> , <b>2019</b> , 1175, 566-576	3.4	3
23	Synthesis and Characterization of TiO <sub>2</sub> Nanoparticles via Alternative Sol-Gel Preparation Routes. <i>Advanced Materials Research</i> , <b>2015</b> , 1087, 191-196	0.5	2
22	Red Seaweed Pulp as a Separator in Rechargeable Al-anode Battery. <i>Polymers and Polymer Composites</i> , <b>2017</b> , 25, 521-526	0.8	2

21	Ni, Zn and Fe hydrotalcite-like catalysts for catalytic biomass compound into green biofuel. <i>Pure and Applied Chemistry</i> , <b>2020</b> , 92, 587-600	2.1	2
20	Synergistic absorbents based on SnFeO@ZnO nanoparticles decorated with reduced graphene oxide for highly efficient dye adsorption at room temperature.. <i>RSC Advances</i> , <b>2021</b> , 11, 17840-17848	3.7	2
19	Highly Visible Light Active Ternary Polyaniline-TiO <sub>2</sub> -Fe <sub>3</sub> O <sub>4</sub> Nanotube/Nanorod for Photodegradation of Reactive Black 5 Dyes. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , <b>2021</b> , 31, 2168-2181	3.2	2
18	Electrodeposited Co-Mn oxide composite electrodes for rechargeable Zn-air battery. <i>Ionics</i> , <b>2019</b> , 25, 1689-1698	2.7	1
17	Highly effective removal of volatile organic pollutants with p-n heterojunction photoreduced graphene oxide-TiO <sub>2</sub> photocatalyst. <i>Journal of Environmental Chemical Engineering</i> , <b>2022</b> , 10, 107304	6.8	1
16	Photodegradation assessment of RB5 dye by utilizing WO/TiO nanocomposite: a cytotoxicity study. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 1	5.1	1
15	Stability of custom-designed photoreactor for photocatalytic oxidation of Reactive Black 5 dye using zinc oxide. <i>Corrosion Engineering Science and Technology</i> , <b>2018</b> , 53, 462-467	1.7	1
14	Enhanced Conductivity Boosts the Cathodic Performance of Aluminium-Doped SrTiO <sub>3</sub> in Rechargeable Alkaline Zinc Battery. <i>Journal of the Electrochemical Society</i> , <b>2021</b> , 168, 080530	3.9	1
13	Stability of tungsten oxide nanotubes film for improving photocatalytic oxidation reaction. <i>Corrosion Engineering Science and Technology</i> , <b>2017</b> , 52, 405-410	1.7	0
12	Nano-photocatalyst in photocatalytic oxidation processes <b>2020</b> , 151-165		0
11	Polymeric Nanocomposites for Visible-Light-Induced Photocatalysis. <i>Springer Series on Polymer and Composite Materials</i> , <b>2017</b> , 175-201	0.9	0
10	Superparamagnetic Iron Oxide Decorated Indium Hydroxide Nanocomposite: Synthesis, Characterization and Its Photocatalytic Activity. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , <b>2022</b> , 17, 113-126	1.7	0
9	Ashless and non-corrosive disulfide compounds as excellent extreme pressure additives in naphthenic oil. <i>Journal of Molecular Liquids</i> , <b>2022</b> , 351, 118553	6	0
8	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> , <b>2021</b> , 115610	2.7	0
7	Advanced photocatalytic degradation of acetaminophen using Cu <sub>2</sub> O/WO <sub>3</sub> /TiO <sub>2</sub> ternary composite under solar irradiation. <i>Catalysis Communications</i> , <b>2022</b> , 163, 106396	3.2	0
6	Enhancement of discharge capacity and energy density by oxygen vacancies in nickel doped SrTiO <sub>3</sub> as cathode for rechargeable alkaline zinc battery. <i>Electrochimica Acta</i> , <b>2022</b> , 404, 139705	6.7	0
5	Facile Synthesis of One-Dimensional Titania Nanotubes via Hydrothermal Method. <i>Advanced Materials Research</i> , <b>2015</b> , 1087, 182-185	0.5	
4	Improved Photocatalytic Oxidation of Organic Dye Using One-Dimensional Titania Nanotubes. <i>Advanced Materials Research</i> , <b>2015</b> , 1087, 186-190	0.5	

- 3 Synthesis of Tetrahydrotriazoloacridine Derivatives Using an Efficient and Reusable Poly-Organocatalyst. *Polycyclic Aromatic Compounds*, **2020**, 40, 304-312 1.3
- 2 Catalytic conversion of microalgae oil to green hydrocarbon **2021**, 117-143
- 1 Uniform mesoporous hierarchical nanosized zeolite Y for production of Hydrocarbon-like biofuel under H<sub>2</sub>-Free deoxygenation. *Fuel*, **2022**, 322, 124208 7.1