

Juan Joon Ching

List of Publications by Year in descending order

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186
papers

11,556
citations

50276

46
h-index

30922

102
g-index

191
all docs

191
docs citations

191
times ranked

14258
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent developments of zinc oxide based photocatalyst in water treatment technology: A review. <i>Water Research</i> , 2016, 88, 428-448.	11.3	1,760
2	Microalgae biorefinery: High value products perspectives. <i>Bioresource Technology</i> , 2017, 229, 53-62.	9.6	947
3	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> , 2011, 86, 1130-1158.	3.2	550
4	A review of polymer electrolytes: fundamental, approaches and applications. <i>Ionics</i> , 2016, 22, 1259-1279.	2.4	488
5	Biosequestration of atmospheric CO ₂ and flue gas-containing CO ₂ by microalgae. <i>Bioresource Technology</i> , 2015, 184, 190-201.	9.6	417
6	Conventional and emerging technologies for removal of antibiotics from wastewater. <i>Journal of Hazardous Materials</i> , 2020, 400, 122961.	12.4	358
7	Production of new cellulose nanomaterial from red algae marine biomass <i>Gelidium elegans</i> . <i>Carbohydrate Polymers</i> , 2016, 151, 1210-1219.	10.2	295
8	Biodiesel production from jatropha oil by catalytic and non-catalytic approaches: An overview. <i>Bioresource Technology</i> , 2011, 102, 452-460.	9.6	255
9	A review of sustainable hydrogen production using seed sludge via dark fermentation. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 34, 471-482.	16.4	249
10	Process optimization design for jatropha-based biodiesel production using response surface methodology. <i>Fuel Processing Technology</i> , 2011, 92, 2420-2428.	7.2	191
11	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> , 2013, 7, 334-352.	3.7	182
12	Biorefineries of carbon dioxide: From carbon capture and storage (CCS) to bioenergies production. <i>Bioresource Technology</i> , 2016, 215, 346-356.	9.6	162
13	Preparation and application of binary acid-base CaO-La ₂ O ₃ catalyst for biodiesel production. <i>Renewable Energy</i> , 2015, 74, 124-132.	8.9	160
14	Cultivation in wastewaters for energy: A microalgae platform. <i>Applied Energy</i> , 2016, 179, 609-625.	10.1	156
15	Potential use of rice starch in coagulation-flocculation process of agro-industrial wastewater: Treatment performance and flocs characterization. <i>Ecological Engineering</i> , 2014, 71, 509-519.	3.6	148
16	SrTiO ₃ Nanocube-Doped Polyaniline Nanocomposites with Enhanced Photocatalytic Degradation of Methylene Blue under Visible Light. <i>Polymers</i> , 2016, 8, 27.	4.5	148
17	Recent advances of titanium dioxide (TiO ₂) for green organic synthesis. <i>RSC Advances</i> , 2016, 6, 108741-108754.	3.6	137
18	Enzymatic transesterification for biodiesel production: a comprehensive review. <i>RSC Advances</i> , 2016, 6, 60034-60055.	3.6	131

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19	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> , 2011, 178, 342-347.	12.7	124
20	Optimization of agro-industrial wastewater treatment using unmodified rice starch as a natural coagulant. <i>Industrial Crops and Products</i> , 2014, 56, 17-26.	5.2	117
21	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.	16.4	109
22	Synergetic effects in novel hydrogenated F-doped TiO ₂ photocatalysts. <i>Applied Surface Science</i> , 2016, 370, 380-393.	6.1	108
23	12-Tungstophosphoric acid supported on MCM-41 for esterification of fatty acid under solvent-free condition. <i>Journal of Molecular Catalysis A</i> , 2007, 267, 265-271.	4.8	97
24	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	91
25	An application of ultrasound technology in synthesis of titania-based photocatalyst for degrading pollutant. <i>Chemical Engineering Journal</i> , 2017, 317, 586-612.	12.7	90
26	Recent developments of strontium titanate for photocatalytic water splitting application. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 14316-14340.	7.1	89
27	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> , 2012, 16, 3117-3122.	16.4	87
28	Mild cell disruption methods for bio-functional proteins recovery from microalgae—Recent developments and future perspectives. <i>Algal Research</i> , 2018, 31, 506-516.	4.6	87
29	Surface modification of mixed-phase hydrogenated TiO ₂ and corresponding photocatalytic response. <i>Applied Surface Science</i> , 2015, 359, 883-896.	6.1	84
30	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.	9.2	82
31	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.	4.9	82
32	Overview on catalytic deoxygenation for biofuel synthesis using metal oxide supported catalysts. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 112, 834-852.	16.4	75
33	Modified mesoporous HMS supported Ni for deoxygenation of triolein into hydrocarbon-biofuel production. <i>Energy Conversion and Management</i> , 2018, 165, 495-508.	9.2	73
34	Microalgae cultivation in palm oil mill effluent (POME) for lipid production and pollutants removal. <i>Energy Conversion and Management</i> , 2018, 174, 430-438.	9.2	73
35	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.	5.5	67
36	Sulfonic acid functionalized MCM-41 as solid acid catalyst for tert-butylation of hydroquinone enhanced by microwave heating. <i>Applied Catalysis A: General</i> , 2013, 450, 34-41.	4.3	66

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37	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.	3.6	66
38	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.	6.1	65
39	Heterogeneous base catalysts for edible palm and non-edible <i>Jatropha</i> -based biodiesel production. <i>Chemistry Central Journal</i> , 2014, 8, 30.	2.6	63
40	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.	5.5	61
41	Effect of reaction conditions on the lifetime of SAPO-34 catalysts in methanol to olefins process – A review. <i>Fuel</i> , 2021, 283, 118851.	6.4	59
42	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.	12.7	56
43	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.	5.2	56
44	Facile sonochemical synthesis of N,Cl-codoped TiO ₂ : Synthesis effects, mechanism and photocatalytic performance. <i>Catalysis Today</i> , 2015, 256, 365-374.	4.4	52
45	Landfill leachate wastewater treatment to facilitate resource recovery by a coagulation-flocculation process via hydrogen bond. <i>Chemosphere</i> , 2021, 262, 127829.	8.2	50
46	Effective photoreduction of graphene oxide for photodegradation of volatile organic compounds. <i>RSC Advances</i> , 2019, 9, 18076-18086.	3.6	49
47	Controlled nitrogen insertion in titanium dioxide for optimal photocatalytic degradation of atrazine. <i>RSC Advances</i> , 2015, 5, 44041-44052.	3.6	48
48	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.	9.2	47
49	Low-temperature synthesis of TiO ₂ nanocrystals for high performance electrochemical supercapacitors. <i>Ceramics International</i> , 2019, 45, 4990-5000.	4.8	47
50	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.	5.5	47
51	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.	3.5	46
52	Evaluation on the Photocatalytic Degradation Activity of Reactive Blue 4 using Pure Anatase Nano-TiO ₂ . <i>Sains Malaysiana</i> , 2015, 44, 1011-1019.	0.5	46
53	Environment-Friendly Heterogeneous Alkaline-Based Mixed Metal Oxide Catalysts for Biodiesel Production. <i>Energies</i> , 2016, 9, 611.	3.1	45
54	Catalytic deoxygenation of triglycerides to green diesel over modified CaO-based catalysts. <i>RSC Advances</i> , 2017, 7, 46445-46460.	3.6	45

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55	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.	9.2	44
56	Synthesis and characteristics of a novel rare earth complex of Eu(TTA) ₂ (N-HPA)Phen. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2007, 188, 155-160.	3.9	43
57	Investigation into photocatalytic decolorisation of CI Reactive Black 5 using titanium dioxide nanopowder. <i>Coloration Technology</i> , 2012, 128, 44-50.	1.5	42
58	An Overview: Recent Development of Titanium Oxide Nanotubes as Photocatalyst for Dye Degradation. <i>International Journal of Photoenergy</i> , 2014, 2014, 1-14.	2.5	42
59	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.	4.3	42
60	Advancement in heterogeneous base catalyzed technology: An efficient production of biodiesel fuels. <i>Journal of Renewable and Sustainable Energy</i> , 2015, 7, .	2.0	40
61	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.	4.0	40
62	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.	4.1	39
63	Morphology-Controlled Synthesis of Fe ₂ O ₃ Nanocrystals Impregnated on g-C ₃ N ₄ -SO ₃ H with Ultrafast Charge Separation for Photoreduction of Cr (VI) Under Visible Light. <i>Environmental Pollution</i> , 2020, 267, 115491.	7.5	39
64	High efficiency bio-hydrogen production from glucose revealed in an inoculum of heat-pretreated landfill leachate sludge. <i>Energy</i> , 2014, 72, 628-635.	8.8	38
65	High performance supercapattery with rGO/TiO ₂ nanocomposites anode and activated carbon cathode. <i>Journal of Alloys and Compounds</i> , 2019, 796, 13-24.	5.5	38
66	Supported zirconium sulfate on carbon nanotubes as water-tolerant solid acid catalyst. <i>Materials Research Bulletin</i> , 2007, 42, 1278-1285.	5.2	37
67	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.	4.1	37
68	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	36
69	Sustainable landfill leachate treatment: Optimize use of guar gum as natural coagulant and floc characterization. <i>Environmental Research</i> , 2020, 188, 109737.	7.5	36
70	Structure and reactivity of silica-supported zirconium sulfate for esterification of fatty acid under solvent-free condition. <i>Applied Catalysis A: General</i> , 2007, 332, 209-215.	4.3	34
71	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.	2.7	34
72	An eco-friendly water-soluble graphene-incorporated agar gel electrolyte for magnesium-air batteries. <i>Ionics</i> , 2019, 25, 1291-1301.	2.4	34

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73	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.	3.6	34
74	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> , 2008, 347, 133-141.	4.3	32
75	Preparation of novel nanostructured WO ₃ /CuMnO ₂ p-n heterojunction nanocomposite for photoelectrochemical detection of nitrofurazone. <i>Journal of Colloid and Interface Science</i> , 2021, 596, 108-118.	9.4	32
76	Zirconium sulfate supported on activated carbon as catalyst for esterification of oleic acid by n-butanol under solvent-free conditions. <i>Catalysis Letters</i> , 2007, 117, 153-158.	2.6	31
77	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.	1.9	31
78	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.	6.1	31
79	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.	5.5	31
80	Highly Active Ruthenium Supported on Magnetically Recyclable Chitosan-Based Nanocatalyst for Nitroarenes Reduction. <i>ChemCatChem</i> , 2017, 9, 3930-3941.	3.7	31
81	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	31
82	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.	2.2	31
83	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.	2.2	30
84	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.	9.3	30
85	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.	5.3	29
86	Synthesis of reduced graphene oxide/tungsten trioxide nanocomposite electrode for high electrochemical performance. <i>Ceramics International</i> , 2016, 42, 13128-13135.	4.8	28
87	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.	4.9	28
88	The improved photocatalytic activity of highly expanded MoS ₂ under visible light emitting diodes. <i>Nanoscale Advances</i> , 2021, 3, 1106-1120.	4.6	28
89	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.	4.8	27
90	Development of catalyst complexes for upgrading biomass into ester-based biolubricants for automotive applications: a review. <i>RSC Advances</i> , 2018, 8, 5559-5577.	3.6	27

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91	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	26
92	Highly active iron-promoted hexagonal mesoporous silica (HMS) for deoxygenation of triglycerides to green hydrocarbon-like biofuel. <i>Fuel</i> , 2022, 308, 121860.	6.4	26
93	Characterization of bovine serum albumin partitioning behaviors in polymer-salt aqueous two-phase systems. <i>Journal of Bioscience and Bioengineering</i> , 2015, 120, 85-90.	2.2	25
94	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.	2.6	25
95	Metallic and semiconducting carbon nanotubes separation using an aqueous two-phase separation technique: a review. <i>Nanotechnology</i> , 2016, 27, 332002.	2.6	24
96	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.	3.7	24
97	The zirconium sulfate microcrystal structure in relation to their activity in the esterification. <i>Journal of Molecular Catalysis A</i> , 2007, 272, 91-95.	4.8	23
98	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.	6.0	23
99	Highly Mesoporous g-C ₃ N ₄ with Uniform Pore Size Distribution via the Template-Free Method to Enhanced Solar-Driven Tetracycline Degradation. <i>Nanomaterials</i> , 2021, 11, 2041.	4.1	23
100	Efficient Esterification of Fatty Acids with Alcohols Catalyzed by Zr(SO ₄) ₂ ·4H ₂ O Under Solvent-Free Condition. <i>Catalysis Letters</i> , 2008, 126, 319-324.	2.6	22
101	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.	7.1	22
102	Environmental Control of Vanadium Haloperoxidases and Halocarbon Emissions in Macroalgae. <i>Marine Biotechnology</i> , 2018, 20, 282-303.	2.4	21
103	Rational design of built-in stannic oxide-copper manganate microrods p-n heterojunction for photoelectrochemical sensing of tetracycline. <i>Chemosphere</i> , 2021, 271, 129788.	8.2	21
104	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	18
105	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.	4.6	18
106	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.	4.4	18
107	Hydroamination of cyclohexene enhanced by ZnCl ₂ nanoparticles supported on chiral mesoporous silica. <i>Chemical Engineering Journal</i> , 2014, 243, 99-107.	12.7	17
108	Catalytic hydrodeoxygenation of dibenzofuran to fuel graded molecule over mesoporous supported bimetallic catalysts. <i>Fuel</i> , 2019, 236, 236-243.	6.4	17

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109	An Overview of Recent Advances in the Synthesis of Organic Unsymmetrical Disulfides. <i>Helvetica Chimica Acta</i> , 2021, 104, e2100053.	1.6	17
110	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.	3.3	17
111	Production of β -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.	2.2	16
112	Separation of <i>Chlorella</i> biomass from culture medium by flocculation with rice starch. <i>Algal Research</i> , 2018, 30, 162-172.	4.6	16
113	An investigation on surface modified TiO ₂ incorporated with graphene oxide for dye-sensitized solar cell. <i>Solar Energy</i> , 2019, 191, 663-671.	6.1	16
114	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.	0.7	16
115	An Overview: Recent Development of Titanium Dioxide Loaded Graphene Nanocomposite Film for Solar Application. <i>Current Organic Chemistry</i> , 2015, 19, 1882-1895.	1.6	16
116	One-step Solvothermal Synthesis of rGO/TiO ₂ Nanocomposite for Efficient Solar Photocatalytic Degradation of Methylene Blue Dye. <i>Current Nanoscience</i> , 2019, 15, 157-162.	1.2	16
117	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.	6.7	16
118	Preparation and Catalytic Application of Novel Water Tolerant Solid Acid Catalysts of Zirconium Sulfate/HZSM-5. <i>Chemical Research in Chinese Universities</i> , 2007, 23, 349-354.	2.6	15
119	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.	1.3	15
120	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.	3.5	15
121	Preparation and characterization of HypoGel-supported Pd nanocatalysts for Suzuki reaction under mild conditions. <i>Chinese Journal of Catalysis</i> , 2015, 36, 771-777.	14.0	14
122	Recent Catalytic Advances in the Synthesis of Organic Symmetric Disulfides. <i>Current Organic Chemistry</i> , 2020, 24, 550-581.	1.6	14
123	Mechanosynthesis of. <i>Australian Journal of Chemistry</i> , 2019, 72, 194-199.	0.9	13
124	Hybrid Graphene Titanium Nanocomposites and Their Applications in Energy Storage Devices: a Review. <i>Journal of Electronic Materials</i> , 2020, 49, 1777-1786.	2.2	13
125	Deposition of NiO Nanoparticles on Nanosized Zeolite NaY for Production of Biofuel via Hydrogen-Free Deoxygenation. <i>Materials</i> , 2020, 13, 3104.	2.9	13
126	Reduced Graphene Oxide - Titania Nanocomposite Film for Improving Dye-Sensitized Solar Cell (DSSCs) Performance. <i>Current Nanoscience</i> , 2017, 13, .	1.2	12

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127	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.	7.1	12
128	Conversion of Microalgae Biomass to Biofuels. , 2020, , 149-161.		12
129	Reaction and hydrogen production phenomena of ethanol steam reforming in a catalytic membrane reactor. <i>Energy</i> , 2021, 220, 119737.	8.8	12
130	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.	5.2	11
131	New Perspective in Recent Solid Acid Catalyst. <i>Materials Science Forum</i> , 2006, 517, 117-122.	0.3	10
132	QuadraPure-Supported Palladium Nanocatalysts for Microwave-Promoted Suzuki Cross-Coupling Reaction under Aerobic Condition. <i>Scientific World Journal</i> , The, 2014, 2014, 1-7.	2.1	10
133	Electrocatalytic Study of Paracetamol at a Single-Walled Carbon Nanotube/Nickel Nanocomposite Modified Glassy Carbon Electrode. <i>Advances in Materials Science and Engineering</i> , 2015, 2015, 1-8.	1.8	10
134	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.	2.0	10
135	Ilmenite: Properties and photodegradation kinetic on Reactive Black 5 dye. <i>Chinese Chemical Letters</i> , 2017, 28, 1613-1618.	9.0	10
136	Palladium-Catalysed Cross-Coupling Reactions for the Synthesis of Chalcones. <i>Asian Journal of Organic Chemistry</i> , 2019, 8, 1174-1193.	2.7	10
137	Recent advancement in deoxygenation of fatty acids via homogeneous catalysis for biofuel production. <i>Molecular Catalysis</i> , 2022, 523, 111207.	2.0	10
138	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.	1.3	10
139	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.	2.0	10
140	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.	3.7	10
141	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.	4.0	10
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