

# Van-Huy Nguyen

## 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

3,183  
citations

30  
h-index

44  
g-index

202  
ext. papers

5,363  
ext. citations

6.1  
avg. IF

6.42  
L-index

#	Paper	IF	Citations
182	Exploration of a Bimetallic NiSe <sub>2</sub> @CoSe <sub>2</sub> Nanosphere as a Proficient Electrode for Electrochemical Activity. <i>Energy &amp; Fuels</i> , <b>2022</b> , 36, 1726-1734	4.1	1
181	Influence of pyrolysis conditions of modified corn cob bio-waste sorbents on adsorption mechanism of atrazine in contaminated water. <i>Environmental Technology and Innovation</i> , <b>2022</b> , 26, 102381	7.1	5
180	Current perspective in metal oxide based photocatalysts for virus disinfection: A review.. <i>Journal of Environmental Management</i> , <b>2022</b> , 308, 114617	7.9	3
179	Synergistic photocatalytic dye mitigation and bacterial disinfection using carbon quantum dots decorated dual Z-scheme Manganese Indium Sulfide/Cuprous Oxide/Silver oxide heterojunction. <i>Materials Letters</i> , <b>2022</b> , 313, 131716	3.3	10
178	Novel step-scheme (S-scheme) heterojunction photocatalysts toward artificial photosynthesis. <i>Materials Letters</i> , <b>2022</b> , 313, 131781	3.3	2
177	The practicality and prospects for disinfection control by photocatalysis during and post-pandemic: A critical review.. <i>Environmental Research</i> , <b>2022</b> , 112814	7.9	3
176	Covalent organic frameworks promoted single metal atom catalysis: Strategies and applications. <i>Coordination Chemistry Reviews</i> , <b>2022</b> , 452, 214298	23.2	39
175	Emerging architecture titanium carbide (TiCT) MXene based photocatalyst toward degradation of hazardous pollutants: Recent progress and perspectives.. <i>Chemosphere</i> , <b>2022</b> , 293, 133541	8.4	3
174	Strategies and perspectives of tailored SnS <sub>2</sub> photocatalyst for solar driven energy applications. <i>Solar Energy</i> , <b>2022</b> , 231, 546-565	6.8	3
173	Microbial synthesis of silver nanoparticles using <i>Lactobacillus plantarum</i> for antioxidant, antibacterial activities. <i>Inorganic Chemistry Communication</i> , <b>2022</b> , 136, 109139	3.1	2
172	Artificial leaf for light-driven CO <sub>2</sub> reduction: Basic concepts, advanced structures and selective solar-to-chemical products. <i>Chemical Engineering Journal</i> , <b>2022</b> , 430, 133031	14.7	14
171	Emerging cocatalysts in TiO <sub>2</sub> -based photocatalysts for light-driven catalytic hydrogen evolution: Progress and perspectives. <i>Fuel</i> , <b>2022</b> , 307, 121745	7.1	11
170	New frontiers in the plant extract mediated biosynthesis of copper oxide (CuO) nanoparticles and their potential applications: A review. <i>Environmental Research</i> , <b>2022</b> , 203, 111858	7.9	28
169	Toxicity evaluation and oxidative stress response of fumaronitrile, a persistent organic pollutant (POP) of industrial waste water on tilapia fish ( <i>Oreochromis mossambicus</i> ). <i>Environmental Research</i> , <b>2022</b> , 204, 112030	7.9	2
168	Graphitic carbon nitride based immobilized and non-immobilized floating photocatalysts for environmental remediation.. <i>Chemosphere</i> , <b>2022</b> , 134229	8.4	2
167	Current status of hematite (Fe <sub>2</sub> O <sub>3</sub> ) based Z-scheme photocatalytic systems for environmental and energy applications. <i>Journal of Environmental Chemical Engineering</i> , <b>2022</b> , 10, 107427	6.8	1
166	Potential of graphene based photocatalyst for antiviral activity with emphasis on COVID-19: A review.. <i>Journal of Environmental Chemical Engineering</i> , <b>2022</b> , 10, 107527	6.8	3

165	CO <sub>2</sub> photoreduction into solar fuels via vacancy engineered bismuth-based photocatalysts: Selectivity and mechanistic insights. <i>Chemical Engineering Journal</i> , <b>2022</b> , 439, 135563	14.7	2
164	Prism-like integrated BiWO <sub>6</sub> with Ag-CuBiO on carbon nanotubes (CNTs) as an efficient and robust S-scheme interfacial charge transfer photocatalyst for the removal of organic pollutants from wastewater.. <i>Environmental Science and Pollution Research</i> , <b>2022</b> , 1	5.1	2
163	Challenges and effectiveness of nanotechnology-based photocatalysis for pesticides-contaminated water: A review.. <i>Environmental Research</i> , <b>2022</b> , 113336	7.9	1
162	Polypyrrole-based nanomaterials: A novel strategy for reducing toxic chemicals and others related to environmental sustainability applications. <i>Chemosphere</i> , <b>2022</b> , 303, 134993	8.4	1
161	Microwave-Assisted Solvothermal Synthesis and Photocatalytic Activity of Bismuth(III) Based Metal-Organic Framework with difference organic linker. <i>Chemical Engineering Research and Design</i> , <b>2021</b> ,	5.5	4
160	Strategies based review on near-infrared light-driven bismuth nanocomposites for environmental pollutants degradation. <i>Chemosphere</i> , <b>2021</b> , 291, 132781	8.4	9
159	Photocatalytic Inactivation of Viruses Using Graphitic Carbon Nitride-Based Photocatalysts: Virucidal Performance and Mechanism. <i>Catalysts</i> , <b>2021</b> , 11, 1448	4	4
158	Hexavalent chromium removal from aqueous solutions using biogenic iron nanoparticles: Kinetics and equilibrium study. <i>Environmental Research</i> , <b>2021</b> , 205, 112477	7.9	0
157	Fabrication and characterization of polyamide thin-film composite membrane interfacial polycondensation for pervaporation separation of salt and arsenic from water.. <i>RSC Advances</i> , <b>2021</b> , 11, 39657-39665	3.7	0
156	Recent progress in emerging BiPO <sub>4</sub> -based photocatalysts: synthesis, properties, modification strategies, and photocatalytic applications. <i>Journal of Materials Science and Technology</i> , <b>2021</b> ,	9.1	8
155	Freeze-dried dicyandiamide-derived g-C <sub>3</sub> N <sub>4</sub> as an effective photocatalyst for H <sub>2</sub> generation. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2021</b> ,	5.3	3
154	Plant-extract-assisted green synthesis and its larvicidal activities of silver nanoparticles using leaf extract of <i>Citrus medica</i> , <i>Tagetes lemmonii</i> , and <i>Tarenna asiatica</i> . <i>Materials Letters</i> , <b>2021</b> , 287, 129265	3.3	11
153	Manipulating the Structure and Characterization of Sr <sub>1-x</sub> LaxTiO <sub>3</sub> Nanocubes toward the Photodegradation of 2-Naphthol under Artificial Solar Light. <i>Catalysts</i> , <b>2021</b> , 11, 564	4	5
152	Electrochemical conversion of carbon dioxide over silver-based catalysts: Recent progress in cathode structure and interface engineering. <i>Chemical Engineering Science</i> , <b>2021</b> , 234, 116403	4.4	5
151	Emerging photocatalysts for air purification. <i>Materials Letters</i> , <b>2021</b> , 288, 129355	3.3	7
150	Recent advances in silver bromide-based Z-scheme photocatalytic systems for environmental and energy applications: A review. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 105157	6.8	14
149	Microstructural evolution during spark plasma sintering of TiC/AlN/graphene ceramics. <i>International Journal of Refractory Metals and Hard Materials</i> , <b>2021</b> , 96, 105496	4.1	2
148	Step-scheme heterojunction photocatalysts for solar energy, water splitting, CO <sub>2</sub> conversion, and bacterial inactivation: a review. <i>Environmental Chemistry Letters</i> , <b>2021</b> , 19, 2941-2966	13.3	48

147	g-C <sub>3</sub> N <sub>4</sub> nanosheet adorned with Ag <sub>3</sub> BiO <sub>3</sub> as a perovskite: An effective photocatalyst for efficient visible-light photocatalytic processes. <i>Materials Science in Semiconductor Processing</i> , <b>2021</b> , 125, 105651	4.3	15
146	A survey on spark plasma sinterability of CNT-added TiC ceramics. <i>International Journal of Refractory Metals and Hard Materials</i> , <b>2021</b> , 96, 105471	4.1	8
145	A Strategy to Develop Efficient Ag <sub>3</sub> PO <sub>4</sub> -based Photocatalytic Materials Toward Water Splitting: Perspectives and Challenges. <i>ChemCatChem</i> , <b>2021</b> , 13, 2965-2987	5.2	8
144	Combined role of SiC whiskers and graphene nano-platelets on the microstructure of spark plasma sintered ZrB <sub>2</sub> ceramics. <i>Ceramics International</i> , <b>2021</b> , 47, 12459-12466	5.1	9
143	Synergistic effects of Si <sub>3</sub> N <sub>4</sub> and CNT on densification and properties of TiC ceramics. <i>Ceramics International</i> , <b>2021</b> , 47, 12941-12950	5.1	5
142	Recent advances on water disinfection using bismuth based modified photocatalysts: Strategies and challenges. <i>Journal of Cleaner Production</i> , <b>2021</b> , 297, 126617	10.3	53
141	Light-driven reduction of carbon dioxide: Altering the reaction pathways and designing photocatalysts toward value-added and renewable fuels. <i>Chemical Engineering Science</i> , <b>2021</b> , 237, 116547	4.4	11
140	Promotional effect of metal oxides (M <sub>x</sub> O <sub>y</sub> ≡TiO <sub>2</sub> , V <sub>2</sub> O <sub>5</sub> ) on multi-walled carbon nanotubes (MWCNTs) for kerosene removal from contaminated water. <i>Materials Letters</i> , <b>2021</b> , 292, 129612	3.3	6
139	Boosting light-driven CO reduction into solar fuels: Mainstream avenues for engineering ZnO-based photocatalysts. <i>Environmental Research</i> , <b>2021</b> , 197, 111134	7.9	13
138	Corrigendum to Z-scheme g-C <sub>3</sub> N <sub>4</sub> nanosheet/MgBi <sub>2</sub> O <sub>6</sub> systems with the visible light response for impressive photocatalytic organic contaminants degradation[J. Photochem. Photobiol. A: Chem. 406 (2021) 113023]. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2021</b> , 416, 113282	4.7	
137	Advanced activation of persulfate by polymeric g-CN based photocatalysts for environmental remediation: A review. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 413, 125324	12.8	81
136	Microstructural evolution of TiB <sub>2</sub> /SiC composites empowered with Si <sub>3</sub> N <sub>4</sub> , BN or TiN: A comparative study. <i>Ceramics International</i> , <b>2021</b> , 47, 1002-1011	5.1	6
135	Z-scheme g-C <sub>3</sub> N <sub>4</sub> nanosheet/MgBi <sub>2</sub> O <sub>6</sub> systems with the visible light response for impressive photocatalytic organic contaminants degradation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2021</b> , 406, 113023	4.7	13
134	In situ preparation of g-CN nanosheet/FeOCl: Achievement and promoted photocatalytic nitrogen fixation activity. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 587, 538-549	9.3	25
133	Novel NiCo <sub>2</sub> O <sub>4</sub> /MWCNTs nanocomposite with flake-like architecture as room temperature capacitive-type NH <sub>3</sub> gas sensor. <i>Materials Letters</i> , <b>2021</b> , 283, 128814	3.3	7
132	Post hot rolling of spark plasma sintered TiMoB <sub>4</sub> C composites. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2021</b> , 799, 140214	5.3	6
131	Solar hydrogen production from seawater splitting using mixed-valence titanium phosphite photocatalyst. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 104826	6.8	4
130	Recent advances in photocatalytic multivariate metal organic frameworks-based nanostructures toward renewable energy and the removal of environmental pollutants. <i>Materials Today Energy</i> , <b>2021</b> , 19, 100589	7	38

129	ZrB <sub>2</sub> SiCw composites with different carbonaceous additives. <i>International Journal of Refractory Metals and Hard Materials</i> , <b>2021</b> , 95, 105457	4.1	1
128	C-, N-Vacancy defect engineered polymeric carbon nitride towards photocatalysis: viewpoints and challenges. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 111-153	13	151
127	Global challenges in microplastics: From fundamental understanding to advanced degradations toward sustainable strategies. <i>Chemosphere</i> , <b>2021</b> , 267, 129275	8.4	12
126	Effects of discrete and simultaneous addition of SiC and Si <sub>3</sub> N <sub>4</sub> on microstructural development of TiB <sub>2</sub> ceramics. <i>Ceramics International</i> , <b>2021</b> , 47, 3520-3528	5.1	3
125	Ag@ZnO porous nanoparticle wrapped by rGO for the effective CO <sub>2</sub> electrochemical reduction. <i>Chemical Engineering Science</i> , <b>2021</b> , 232, 116381	4.4	18
124	Microstructure-property correlation in nano-diamond and TiN added TiC-based ceramics. <i>Ceramics International</i> , <b>2021</b> , 47, 449-460	5.1	4
123	Effects of SiC on densification, microstructure and nano-indentation properties of ZrB <sub>2</sub> BN composites. <i>Ceramics International</i> , <b>2021</b> , 47, 9873-9880	5.1	5
122	Surface defect engineering of metal oxides photocatalyst for energy application and water treatment. <i>Journal of Materiomics</i> , <b>2021</b> , 7, 388-418	6.7	46
121	Tailoring cadmium sulfide-based photocatalytic nanomaterials for water decontamination: a review. <i>Environmental Chemistry Letters</i> , <b>2021</b> , 19, 271-306	13.3	51
120	High-impressive separation of photoinduced charge carriers on step-scheme ZnO/ZnSnO <sub>3</sub> /Carbon dots heterojunction with efficient activity in photocatalytic NH <sub>3</sub> production. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2021</b> , 118, 140-151	5.3	14
119	Prospects and challenges of photocatalysis for degradation and mineralization of antiviral drugs <b>2021</b> , 489-517		1
118	Indium sulfide-based photocatalysts for hydrogen production and water cleaning: a review. <i>Environmental Chemistry Letters</i> , <b>2021</b> , 19, 1065-1095	13.3	24
117	Recent advances in sacrificial reagents toward sustainable light-driven photocatalytic hydrogen evolution <b>2021</b> , 219-251		
116	The roles of metal species supported on Fe <sub>3</sub> O <sub>4</sub> aerogel for photoassisted 4-nitrophenol reduction and benzoic acid oxidation. <i>Catalysis Science and Technology</i> , <b>2021</b> , 11, 3447-3455	5.5	0
115	g-C <sub>3</sub> N <sub>4</sub> -nanosheet/ZnCr <sub>2</sub> O <sub>4</sub> S-scheme heterojunction photocatalyst with enhanced visible-light photocatalytic activity for degradation of phenol and tetracycline. <i>Separation and Purification Technology</i> , <b>2021</b> , 118511	8.3	10
114	Anti-icing performance on aluminum surfaces and proposed model for freezing time calculation. <i>Scientific Reports</i> , <b>2021</b> , 11, 3641	4.9	9
113	Perovskite Zinc Titanate Photocatalysts Synthesized by the Sol-Gel Method and Their Application in the Photocatalytic Degradation of Emerging Contaminants. <i>Catalysts</i> , <b>2021</b> , 11, 854	4	2
112	Vertical flow constructed wetlands using expanded clay and biochar for wastewater remediation: A comparative study and prediction of effluents using machine learning. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 413, 125426	12.8	7

111	Recent advances and emerging trends in (BiO)2CO3 based photocatalysts for environmental remediation: A review. <i>Surfaces and Interfaces</i> , <b>2021</b> , 25, 101273	4.1	3
110	Progress on the photocatalytic reduction of hexavalent Cr (VI) using engineered graphitic carbon nitride. <i>Chemical Engineering Research and Design</i> , <b>2021</b> , 152, 663-678	5.5	14
109	The degradation of paraben preservatives: Recent progress and sustainable approaches toward photocatalysis. <i>Chemosphere</i> , <b>2021</b> , 276, 130163	8.4	19
108	Constructing a novel all-solid-state Z-scheme BiVO4/CQDs/FeVO4 photocatalyst and its enhancement to the photocatalytic activity. <i>Materials Letters</i> , <b>2021</b> , 297, 129940	3.3	3
107	Advances and recent trends in cobalt-based cocatalysts for solar-to-fuel conversion. <i>Applied Materials Today</i> , <b>2021</b> , 24, 101074	6.6	11
106	ZnS-based quantum dots as photocatalysts for water purification. <i>Journal of Water Process Engineering</i> , <b>2021</b> , 43, 102217	6.7	10
105	An overview of heterojunctioned ZnFe2O4 photocatalyst for enhanced oxidative water purification. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 105812	6.8	15
104	Novel Z-Scheme ZnIn2S4-based photocatalysts for solar-driven environmental and energy applications: Progress and perspectives. <i>Journal of Materials Science and Technology</i> , <b>2021</b> , 87, 234-257	9.1	28
103	Sustainable and green trends in using plant extracts for the synthesis of biogenic metal nanoparticles toward environmental and pharmaceutical advances: A review. <i>Environmental Research</i> , <b>2021</b> , 202, 111622	7.9	30
102	Toward practical solar-driven photocatalytic water splitting on two-dimensional MoS2 based solid-state Z-scheme and S-scheme heterostructure. <i>Fuel</i> , <b>2021</b> , 303, 121302	7.1	10
101	The emerging covalent organic frameworks (COFs) for solar-driven fuels production. <i>Coordination Chemistry Reviews</i> , <b>2021</b> , 446, 214117	23.2	23
100	TiO2-SiO2 coatings onto cordierite honeycomb monolith support for effective photocatalytic degradation of Haphthol in a water solution. <i>Materials Letters</i> , <b>2021</b> , 302, 130461	3.3	3
99	Phenolic compounds degradation: Insight into the role and evidence of oxygen vacancy defects engineering on nanomaterials. <i>Science of the Total Environment</i> , <b>2021</b> , 800, 149410	10.2	5
98	Nanostructured photocatalysts: Introduction to photocatalytic mechanism and nanomaterials for energy and environmental applications <b>2021</b> , 3-33		0
97	Novel p-n Heterojunction Nanocomposite: TiO2 QDs/ZnBi2O4 Photocatalyst with Considerably Enhanced Photocatalytic Activity under Visible-Light Irradiation. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 27519-27528	3.8	24
96	Synthesis, characterization, and photocatalytic performance of Ag/AgFeO2 decorated on g-C3N4-nanosheet under the visible light irradiation. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2020</b> , 115, 279-292	5.3	20
95	A novel spark plasma sintered TiC/ZrN composite with enhanced flexural strength. <i>Ceramics International</i> , <b>2020</b> , 46, 29022-29032	5.1	11
94	Photocatalytic remediation of persistent organic pollutants (POPs): A review. <i>Arabian Journal of Chemistry</i> , <b>2020</b> , 13, 8309-8337	5.9	56

93	Submerged photocatalytic membrane reactor with suspended and immobilized N-doped TiO <sub>2</sub> under visible irradiation for diclofenac removal from wastewater. <i>Chemical Engineering Research and Design</i> , <b>2020</b> , 142, 229-237	5.5	22
92	Selective synthesis of ZIFs from zinc and nickel nitrate solution for photocatalytic H <sub>2</sub> O <sub>2</sub> production. <i>Arabian Journal of Chemistry</i> , <b>2020</b> , 13, 8301-8308	5.9	6
91	Novel biomolecule-capped CdTe nanoparticles for highly efficient photodegradation of methyl orange dye under visible-light irradiation. <i>Materials Letters</i> , <b>2020</b> , 275, 128167	3.3	11
90	Enhanced photocatalytic activity of ethylenediamine-assisted tin oxide (SnO <sub>2</sub> ) nanorods for methylene blue dye degradation. <i>Materials Letters</i> , <b>2020</b> , 276, 128173	3.3	10
89	BiVO <sub>4</sub> photocatalysis design and applications to oxygen production and degradation of organic compounds: a review. <i>Environmental Chemistry Letters</i> , <b>2020</b> , 18, 1779-1801	13.3	24
88	Photocatalytic NO <sub>x</sub> abatement: Recent advances and emerging trends in the development of photocatalysts. <i>Journal of Cleaner Production</i> , <b>2020</b> , 270, 121912	10.3	36
87	Ethanol conversion to selective high-value hydrocarbons over Ni/HZSM-5 zeolite catalyst. <i>Catalysis Communications</i> , <b>2020</b> , 144, 106067	3.2	4
86	Fabrication of efficient CuO / graphitic carbon nitride based heterogeneous photo-Fenton like catalyst for degradation of 2, 4 dimethyl phenol. <i>Chemical Engineering Research and Design</i> , <b>2020</b> , 142, 63-75	5.5	41
85	Novel Architecture Titanium Carbide (TiC) MXene Cocatalysts toward Photocatalytic Hydrogen Production: A Mini-Review. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	63
84	Grid-Connected Photovoltaic Systems with Single-Axis Sun Tracker: Case Study for Central Vietnam. <i>Energies</i> , <b>2020</b> , 13, 1457	3.1	6
83	Towards artificial photosynthesis: Sustainable hydrogen utilization for photocatalytic reduction of CO <sub>2</sub> to high-value renewable fuels. <i>Chemical Engineering Journal</i> , <b>2020</b> , 402, 126184	14.7	55
82	Vertically aligned ZnO nanorods for photoelectrochemical water splitting application. <i>Materials Letters</i> , <b>2020</b> , 277, 128295	3.3	25
81	Influences of electric field strength on rheological properties of electrorheological fluid based on hollow poly (O-phenylenediamine co O-toluidine) dispersed on silicone oil. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 314, 113762	6	6
80	Beneficial role of carbon black on the properties of TiC ceramics. <i>Ceramics International</i> , <b>2020</b> , 46, 23544-23555	5.3	30
79	Engineering nanostructures of CuO-based photocatalysts for water treatment: Current progress and future challenges. <i>Arabian Journal of Chemistry</i> , <b>2020</b> , 13, 8424-8457	5.9	49
78	Recent Advances in TiO <sub>2</sub> -Based Photocatalysts for Reduction of CO to Fuels. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	65
77	Efficient and stable hybrid electrocatalyst of mixed MnP-MoP nanoparticles-N,P-codoped graphene for hydrogen evolution reaction. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2020</b> , 593, 124609	5.1	11
76	Recent Advances in Selective Photo-Epoxidation of Propylene: A Review. <i>Catalysts</i> , <b>2020</b> , 10, 87	4	7

75	Phosphorous-jointed epoxidized soybean oil and rice husk-based silica as the novel additives for improvement mechanical and flame retardant of epoxy resin. <i>Journal of Fire Sciences</i> , <b>2020</b> , 38, 3-27	1.5	23
74	Hierarchical molybdenum disulfide on carbon nanotube-reduced graphene oxide composite paper as efficient catalysts for hydrogen evolution reaction. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 823, 15389-15397	5.7	19
73	Mainstream avenues for boosting graphitic carbon nitride efficiency: towards enhanced solar light-driven photocatalytic hydrogen production and environmental remediation. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 10571-10603	13	38
72	Advances in Designing Au Nanoparticles for Catalytic Epoxidation of Propylene with H <sub>2</sub> and O <sub>2</sub> . <i>Catalysts</i> , <b>2020</b> , 10, 442	4	6
71	Hybrid material based on TiO <sub>2</sub> , CuBTC, and magnetic particles as a novel photocatalyst for MB removal. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2020</b> , 95, 2648	3.5	5
70	Three-dimensional Ni <sub>2</sub> P/MoP <sub>2</sub> mesoporous nanorods array as self-standing electrocatalyst for highly efficient hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , <b>2020</b> , 45, 15063-15075	6.7	14
69	One-Pot Synthesis of Magnetite-ZnO Nanocomposite and Its Photocatalytic Activity. <i>Topics in Catalysis</i> , <b>2020</b> , 63, 1097-1108	2.3	22
68	Integrated farming system producing zero emissions and sustainable livelihood for small-scale cattle farms: Case study in the Mekong Delta, Vietnam. <i>Environmental Pollution</i> , <b>2020</b> , 265, 114853	9.3	4
67	Snowflake Co <sub>3</sub> O <sub>4</sub> -CuO heteroanode arrays supported on three-dimensional framework for enhanced oxygen evolution. <i>Journal of Electroanalytical Chemistry</i> , <b>2020</b> , 871, 114235	4.1	4
66	Tailoring photocatalysts and elucidating mechanisms of photocatalytic degradation of perfluorocarboxylic acids (PFCAs) in water: a comparative overview. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2020</b> , 95, 2569	3.5	13
65	Recent advances in two-dimensional transition metal dichalcogenides as photoelectrocatalyst for hydrogen evolution reaction. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2020</b> , 95, 2597	3.5	12
64	Halide perovskite photocatalysis: progress and perspectives. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2020</b> , 95, 2579	3.5	25
63	Facile synthesis of WS <sub>2</sub> hollow spheres and their hydrogen evolution reaction performance. <i>Applied Surface Science</i> , <b>2020</b> , 505, 144574	6.7	33
62	Metal-organic frameworks: preparation and applications in highly efficient heterogeneous photocatalysis. <i>Sustainable Energy and Fuels</i> , <b>2020</b> , 4, 504-521	5.8	41
61	Influence of electric field strength on the rheological behavior of electro-rheological fluid based on poly(o-toluidine)-coated silica. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 301, 112462	6	3
60	Multiwall carbon nanotube modified by antimony oxide (Sb <sub>2</sub> O <sub>3</sub> /MWCNTs) paste electrode for the simultaneous electrochemical detection of cadmium and lead ions. <i>Microchemical Journal</i> , <b>2020</b> , 153, 104456	4.8	30
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50	Microstructural, mechanical and friction properties of nano-graphite and h-BN added TiC-based composites. <i>Ceramics International</i> , <b>2020</b> , 46, 28969-28979	5.1	18
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41	Perovskite oxide-based photocatalysts for solar-driven hydrogen production: Progress and perspectives. <i>Solar Energy</i> , <b>2020</b> , 211, 584-599	6.8	35
40	Highly effective degradation of imidacloprid by H <sub>2</sub> O <sub>2</sub> / fullerene decorated P-doped g-C <sub>3</sub> N <sub>4</sub> photocatalyst. <i>Journal of Environmental Chemical Engineering</i> , <b>2020</b> , 8, 104483	6.8	36

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37	Synthesis and Photocatalytic Activity of NiFe Layered Double Hydroxide Modified Sulphur Doped Graphitic Carbon Nitride (SGCN/NiFe LDH) Photocatalyst for 2,4-Dinitrophenol Degradation. <i>Topics in Catalysis</i> , <b>2020</b> , 63, 1030-1045	2.3	20
36	Recent Progress in Carbon Nanotube Polymer Composites in Tissue Engineering and Regeneration. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	4
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33	A current perspective for photocatalysis towards the hydrogen production from biomass-derived organic substances and water. <i>International Journal of Hydrogen Energy</i> , <b>2020</b> , 45, 18144-18159	6.7	47
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28	MgAl-LDHs layered double hydroxides catalysts for boosting catalytic synthesis of biodiesel and conversion of by-product into valuable glycerol carbonate. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2019</b> , 104, 219-226	5.3	11
27	Recent Progress in Carbon-Based Buffer Layers for Polymer Solar Cells. <i>Polymers</i> , <b>2019</b> , 11,	4.5	10
26	Silk Fibroin-Based Biomaterials for Biomedical Applications: A Review. <i>Polymers</i> , <b>2019</b> , 11,	4.5	121
25	A dual-function photocatalytic system for simultaneous separating hydrogen from water splitting and photocatalytic degradation of phenol in a twin-reactor. <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 239, 268-279	21.8	38
24	Recent developments in the design of photoreactors for solar energy conversion from water splitting and CO <sub>2</sub> reduction. <i>Applied Catalysis A: General</i> , <b>2018</b> , 550, 122-141	5.1	68
23	Biodiesel production by pervaporation-assisted esterification and pre-esterification using graphene oxide/chitosan composite membranes. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2017</b> , 79, 23-30	5.3	26
22	Visualizing reaction pathway for the photo-transformation of NO <sub>2</sub> and N <sub>2</sub> into NO over WO <sub>3</sub> photocatalyst. <i>Research on Chemical Intermediates</i> , <b>2017</b> , 43, 7159-7169	2.8	4

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20	Reactor Design for CO <sub>2</sub> Photo-Hydrogenation toward Solar Fuels under Ambient Temperature and Pressure. <i>Catalysts</i> , <b>2017</b> , 7, 63	4	13
19	Photocatalytic water splitting and hydrogenation of CO <sub>2</sub> in a novel twin photoreactor with IO <sub>3</sub> <sup>-</sup> /I <sup>-</sup> shuttle redox mediator. <i>Applied Catalysis A: General</i> , <b>2016</b> , 518, 158-166	5.1	20
18	Competitive reaction pathway for photo and thermal catalytic removal of NO with hydrocarbon in flue gas under elevated temperatures. <i>Catalysis Communications</i> , <b>2016</b> , 84, 40-43	3.2	7
17	NO <sub>x</sub> abatement from stationary emission sources by photo-assisted SCR: Lab-scale to pilot-scale studies. <i>Applied Catalysis A: General</i> , <b>2016</b> , 523, 294-303	5.1	18
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15	An internal-illuminated monolith photoreactor towards efficient photocatalytic degradation of ppb-level isopropyl alcohol. <i>Chemical Engineering Journal</i> , <b>2016</b> , 296, 11-18	14.7	29
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10	Influence of co-feeds additive on the photo-epoxidation of propylene over V-Ti/MCM-41 photocatalyst. <i>Catalysis Today</i> , <b>2015</b> , 245, 186-191	5.3	8
9	Artificial sunlight and ultraviolet light induced photo-epoxidation of propylene over V-Ti/MCM-41 photocatalyst. <i>Beilstein Journal of Nanotechnology</i> , <b>2014</b> , 5, 566-76	3	16
8	Enhanced xylene removal by photocatalytic oxidation using fiber-illuminated honeycomb reactor at ppb level. <i>Journal of Hazardous Materials</i> , <b>2013</b> , 262, 717-25	12.8	44
7	Temperature effect on the photo-epoxidation of propylene over V-Ti/MCM-41 photocatalyst. <i>Catalysis Communications</i> , <b>2013</b> , 33, 57-60	3.2	15
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4	Elaboration of a novel membrane technique for purification of chondroitin sulfate extracted from chicken breast cartilage using the cross-flow ultrafiltration polyethersulfone flat-sheet membrane. <i>Chemical Papers</i> , <b>2012</b> , 62, 111-116	1.9	1

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2	Potential Application of Macrocyclic Compounds for Selective Recovery of Rare Earth Scandium Elements from Aqueous Media. <i>Journal of Sustainable Metallurgy</i> ,1	2.7	1
1	Eco-friendly synthesis and characterizations of Ag/AgO/Ag <sub>2</sub> O nanoparticles using leaf extracts of <i>Solanum elaeagnifolium</i> for antioxidant, anticancer, and DNA cleavage activities. <i>Chemical Papers</i> ,1	1.9	1