

# Van-Huy Nguyen

## List of Publications by Citations

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182  
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3,183  
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5,363  
ext. citations

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L-index

#	Paper	IF	Citations
182	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
181	Silk Fibroin-Based Biomaterials for Biomedical Applications: A Review. <i>Polymers</i> , <b>2019</b> , 11,	4.5	121
180	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
179	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
178	Recent Advances in TiO-Based Photocatalysts for Reduction of CO to Fuels. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	65
177	Novel Architecture Titanium Carbide (TiCT) MXene Cocatalysts toward Photocatalytic Hydrogen Production: A Mini-Review. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	63
176	Production of renewable fuels by the photohydrogenation of CO <sub>2</sub> : effect of the Cu species loaded onto TiO <sub>2</sub> photocatalysts. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 4942-51	3.6	57
175	Photocatalytic remediation of persistent organic pollutants (POPs): A review. <i>Arabian Journal of Chemistry</i> , <b>2020</b> , 13, 8309-8337	5.9	56
174	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
173	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
172	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
171	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
170	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
169	Titania nanosheet photocatalysts with dominantly exposed (001) reactive facets for photocatalytic NO <sub>x</sub> abatement. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 219, 391-400	21.8	47
168	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
167	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
166	Photo-enhanced hydrogenation of CO <sub>2</sub> to mimic photosynthesis by CO co-feed in a novel twin reactor. <i>Applied Energy</i> , <b>2015</b> , 147, 318-324	10.7	45

165	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
164	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
163	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
162	Tailored photocatalysts and revealed reaction pathways for photodegradation of polycyclic aromatic hydrocarbons (PAHs) in water, soil and other sources. <i>Chemosphere</i> , <b>2020</b> , 260, 127529	8.4	40
161	Covalent organic frameworks promoted single metal atom catalysis: Strategies and applications. <i>Coordination Chemistry Reviews</i> , <b>2022</b> , 452, 214298	23.2	39
160	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
159	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
158	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
157	Photocatalytic NOx 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
156	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
155	Synergistic photocatalytic mitigation of imidacloprid pesticide and antibacterial activity using carbon nanotube decorated phosphorus doped graphitic carbon nitride photocatalyst. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2020</b> , 113, 142-154	5.3	35
154	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
153	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
152	Beneficial role of carbon black on the properties of TiC ceramics. <i>Ceramics International</i> , <b>2020</b> , 46, 23544-23555	5.0	30
151	Multiwalled 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
150	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
149	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
148	Novel Z-Scheme ZnIn <sub>2</sub> S <sub>4</sub> -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

147	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
146	Direct gas-phase photocatalytic epoxidation of propylene with molecular oxygen by photocatalysts. <i>Chemical Engineering Journal</i> , <b>2012</b> , 179, 285-294	14.7	27
145	Recent progress on bismuth-based Z-scheme semiconductor photocatalysts for energy and environmental applications. <i>Journal of Environmental Chemical Engineering</i> , <b>2020</b> , 8, 104505	6.8	27
144	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
143	Vertically aligned ZnO nanorods for photoelectrochemical water splitting application. <i>Materials Letters</i> , <b>2020</b> , 277, 128295	3.3	25
142	Halide perovskite photocatalysis: progress and perspectives. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2020</b> , 95, 2579	3.5	25
141	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
140	Novel p-n Heterojunction Nanocomposite: TiO <sub>2</sub> QDs/ZnBi <sub>2</sub> O <sub>4</sub> 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
139	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
138	Role of co-addition of BN and SiC on microstructure of TiB <sub>2</sub> -based composites densified by SPS method. <i>Ceramics International</i> , <b>2020</b> , 46, 25341-25350	5.1	24
137	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
136	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
135	The emerging covalent organic frameworks (COFs) for solar-driven fuels production. <i>Coordination Chemistry Reviews</i> , <b>2021</b> , 446, 214117	23.2	23
134	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
133	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
132	Electron microscopy characterization of porous ZrB <sub>2</sub> BiCAlN composites prepared by pressureless sintering. <i>Ceramics International</i> , <b>2020</b> , 46, 25415-25423	5.1	22
131	Novel synthesis of advanced Cu capped Cu <sub>2</sub> O nanoparticles and their photo-catalytic activity for mineralization of aqueous dye molecules. <i>Materials Letters</i> , <b>2020</b> , 276, 128294	3.3	21
130	A novel TiC-based composite co-strengthened with AlN particulates and graphene nano-platelets. <i>International Journal of Refractory Metals and Hard Materials</i> , <b>2020</b> , 92, 105331	4.1	21

129	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
128	Synthesis, characterization, and photocatalytic performance of Ag/AgFeO <sub>2</sub> decorated on g-C <sub>3</sub> N <sub>4</sub> -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
127	Synthesis, characterization and photo-epoxidation performance of Au-loaded photocatalysts. <i>Journal of Chemical Sciences</i> , <b>2013</b> , 125, 859-867	1.8	20
126	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
125	Synergetic photo-epoxidation of propylene over V Ti/MCM-41 mesoporous photocatalysts. <i>Journal of Catalysis</i> , <b>2015</b> , 331, 217-227	7.3	19
124	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, 153897	5.7	19
123	Role of hot-pressing temperature on densification and microstructure of ZrB <sub>2</sub> /SiC ultrahigh temperature ceramics. <i>International Journal of Refractory Metals and Hard Materials</i> , <b>2020</b> , 93, 105355	4.1	19
122	The degradation of paraben preservatives: Recent progress and sustainable approaches toward photocatalysis. <i>Chemosphere</i> , <b>2021</b> , 276, 130163	8.4	19
121	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
120	Nanoindentational and conventional mechanical properties of spark plasma sintered TiMo alloys. <i>Journal of Materials Research and Technology</i> , <b>2020</b> , 9, 10647-10658	5.5	18
119	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
118	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
117	UV/Visible Light Driven Photocatalytic Degradation of Ciprofloxacin by N,S Co-doped TiO <sub>2</sub> : The Effect of Operational Parameters. <i>Topics in Catalysis</i> , <b>2020</b> , 63, 985-995	2.3	17
116	Leaf Extract Mediated Synthesis of Zinc Oxide Nanoparticles: Assessment of Antimicrobial and Anticancer Activity. <i>Molecules</i> , <b>2020</b> , 25,	4.8	17
115	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
114	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
113	Peroxymonosulphate-mediated metal-free pesticide photodegradation and bacterial disinfection using well-dispersed graphene oxide supported phosphorus-doped graphitic carbon nitride. <i>Applied Nanoscience (Switzerland)</i> , <b>2020</b> , 10, 4115-4137	3.3	15
112	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

111	An overview of heterojunctioned ZnFe <sub>2</sub> O <sub>4</sub> photocatalyst for enhanced oxidative water purification. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 105812	6.8	15
110	Moderate-temperature catalytic incineration of cooking oil fumes using hydrophobic honeycomb supported Pt/CNT catalyst. <i>Journal of Hazardous Materials</i> , <b>2019</b> , 379, 120750	12.8	14
109	In-situ FTIR spectroscopic study of the mechanism of photocatalytic reduction of NO with methane over Pt/TiO <sub>2</sub> photocatalysts. <i>Research on Chemical Intermediates</i> , <b>2015</b> , 41, 2153-2164	2.8	14
108	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
107	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
106	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
105	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
104	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
103	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
102	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
101	Recent trends in development of hematite (Fe <sub>2</sub> O <sub>3</sub> ) as an efficient photoanode for enhancement of photoelectrochemical hydrogen production by solar water splitting. <i>International Journal of Hydrogen Energy</i> , <b>2020</b> , 46, 23334-23334	6.7	13
100	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
99	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
98	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
97	Global challenges in microplastics: From fundamental understanding to advanced degradations toward sustainable strategies. <i>Chemosphere</i> , <b>2021</b> , 267, 129275	8.4	12
96	A novel spark plasma sintered TiC/rNi composite with enhanced flexural strength. <i>Ceramics International</i> , <b>2020</b> , 46, 29022-29032	5.1	11
95	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
94	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

93	MgxAl-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
92	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
91	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, 1165474	4.4	11
90	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
89	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
88	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
87	Recent Progress in Carbon-Based Buffer Layers for Polymer Solar Cells. <i>Polymers</i> , <b>2019</b> , 11,	4.5	10
86	Real-Time Raman Monitoring during Photocatalytic Epoxidation of Cyclohexene over V-Ti/MCM-41 Catalysts. <i>Catalysts</i> , <b>2015</b> , 5, 518-533	4	10
85	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
84	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
83	ZnS-based quantum dots as photocatalysts for water purification. <i>Journal of Water Process Engineering</i> , <b>2021</b> , 43, 102217	6.7	10
82	Toward practical solar-driven photocatalytic water splitting on two-dimensional MoS <sub>2</sub> based solid-state Z-scheme and S-scheme heterostructure. <i>Fuel</i> , <b>2021</b> , 303, 121302	7.1	10
81	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
80	Synthesis of Ag <sub>2</sub> O Coated TiO <sub>2</sub> Nanoparticles by Sonochemically Activated Methods for Enhanced Photocatalytic Activities. <i>Topics in Catalysis</i> , <b>2020</b> , 63, 1056-1065	2.3	9
79	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
78	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
77	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
76	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

75	Morphologically tailored CuO nanostructures toward visible-light-driven photocatalysis. <i>Materials Letters</i> , <b>2020</b> , 281, 128603	3-3	8
74	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
73	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
72	Recent Advances in Selective Photo-Epoxidation of Propylene: A Review. <i>Catalysts</i> , <b>2020</b> , 10, 87	4	7
71	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
70	Lignocellulose-derived monosugars: a review of biomass pre-treating techniques and post-methods to produce sustainable biohydrogen. <i>Biomass Conversion and Biorefinery</i> , <b>2020</b> , 1	2-3	7
69	Emerging photocatalysts for air purification. <i>Materials Letters</i> , <b>2021</b> , 288, 129355	3-3	7
68	Tailoring a novel Au nanodot arrays on graphene substrate for a highly active Surface-Enhanced Raman Scattering (SERS). <i>Materials Letters</i> , <b>2020</b> , 271, 127807	3-3	7
67	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
66	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
65	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
64	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
63	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
62	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
61	MWCNT grafted with POSS-based novel flame retardant-filled epoxy resin nanocomposite: fabrication, mechanical properties, and flammability. <i>Composite Interfaces</i> , <b>2020</b> , 1-16	2-3	6
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