

Quyet Van Le

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.

234
papers

5,291
citations

39
h-index

60
g-index

251
ext. papers

8,008
ext. citations

6.7
avg, IF

6.63
L-index

#	Paper	IF	Citations
234	Current perspective in metal oxide based photocatalysts for virus disinfection: A review.. <i>Journal of Environmental Management</i> , 2022 , 308, 114617	7.9	3
233	HRTEM study and mechanical properties of ZrB ₂ /SiC composite: An insight into in-situ carbon formation over the SPS process. <i>International Journal of Refractory Metals and Hard Materials</i> , 2022 , 104, 105789	4.1	0
232	High strength composites of carbon fiber sheets-veneers sandwich-structure for electromagnetic interference shielding materials. <i>Progress in Organic Coatings</i> , 2022 , 165, 106736	4.8	0
231	Novel step-scheme (S-scheme) heterojunction photocatalysts toward artificial photosynthesis. <i>Materials Letters</i> , 2022 , 313, 131781	3.3	2
230	The practicality and prospects for disinfection control by photocatalysis during and post-pandemic: A critical review.. <i>Environmental Research</i> , 2022 , 112814	7.9	3
229	Emerging architecture titanium carbide (TiC)/MXene based photocatalyst toward degradation of hazardous pollutants: Recent progress and perspectives.. <i>Chemosphere</i> , 2022 , 293, 133541	8.4	3
228	Strategies and perspectives of tailored SnS ₂ photocatalyst for solar driven energy applications. <i>Solar Energy</i> , 2022 , 231, 546-565	6.8	3
227	Artificial leaf for light-driven CO ₂ reduction: Basic concepts, advanced structures and selective solar-to-chemical products. <i>Chemical Engineering Journal</i> , 2022 , 430, 133031	14.7	14
226	Advanced nanocellulose-based gas barrier materials: Present status and prospects. <i>Chemosphere</i> , 2022 , 286, 131891	8.4	9
225	Emerging cocatalysts in TiO ₂ -based photocatalysts for light-driven catalytic hydrogen evolution: Progress and perspectives. <i>Fuel</i> , 2022 , 307, 121745	7.1	11
224	Structural Characterization of Mannoglucan Isolated from and Its Antioxidant Activities.. <i>ACS Omega</i> , 2022 , 7, 9397-9405	3.9	1
223	Microstructure of spark plasma sintered TiC/SiC composite. <i>Materials Chemistry and Physics</i> , 2022 , 281, 125877	4.4	0
222	Phyto-mediated synthesis of nanoparticles and their applications on hydrogen generation on NaBH ₄ , biological activities and photodegradation on azo dyes: Development of machine learning model.. <i>Food and Chemical Toxicology</i> , 2022 , 163, 112972	4.7	0
221	Graphitic carbon nitride based immobilized and non-immobilized floating photocatalysts for environmental remediation.. <i>Chemosphere</i> , 2022 , 134229	8.4	2
220	Current status of hematite (Fe ₂ O ₃) based Z-scheme photocatalytic systems for environmental and energy applications. <i>Journal of Environmental Chemical Engineering</i> , 2022 , 10, 107427	6.8	1
219	Synthesis of ultra-high strength structured material from steam-modified delignification of wood. <i>Journal of Cleaner Production</i> , 2022 , 351, 131531	10.3	1
218	Effects of waste-based pyrolysis as heating source: Meta-analyze of char yield and machine learning analysis. <i>Fuel</i> , 2022 , 318, 123578	7.1	2

217	Potential of graphene based photocatalyst for antiviral activity with emphasis on COVID-19: A review.. <i>Journal of Environmental Chemical Engineering</i> , 2022 , 10, 107527	6.8	3
216	Electrochemical conversion of CO to value-added chemicals over bimetallic Pd-based nanostructures: Recent progress and emerging trends.. <i>Environmental Research</i> , 2022 , 113116	7.9	0
215	Visible-light photocatalysis of Ag-doped graphitic carbon nitride for photodegradation of micropollutants in wastewater.. <i>Chemosphere</i> , 2022 , 134626	8.4	1
214	White LED active FeO/rGO photocatalytic nanocomposite for an effective degradation of tetracycline and ibuprofen molecules.. <i>Environmental Research</i> , 2022 , 212, 113301	7.9	1
213	Polypyrrole-based nanomaterials: A novel strategy for reducing toxic chemicals and others related to environmental sustainability applications. <i>Chemosphere</i> , 2022 , 303, 134993	8.4	1
212	Strategies based review on near-infrared light-driven bismuth nanocomposites for environmental pollutants degradation. <i>Chemosphere</i> , 2021 , 291, 132781	8.4	9
211	Photocatalytic Inactivation of Viruses Using Graphitic Carbon Nitride-Based Photocatalysts: Virucidal Performance and Mechanism. <i>Catalysts</i> , 2021 , 11, 1448	4	4
210	Boosted methane dry reforming for hydrogen generation on cobalt catalyst with small cerium dosage. <i>International Journal of Hydrogen Energy</i> , 2021 ,	6.7	3
209	Strong Fermi-level pinning at metal contacts to halide perovskites. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 15212-15220	7.1	3
208	Evaluation of probiotic susceptibility of virulent <i>Aeromonas</i> sp. by a study on gut histology of <i>Cyprinus carpio</i> . <i>Process Biochemistry</i> , 2021 , 111, 154-159	4.8	3
207	Recent progress in emerging BiPO ₄ -based photocatalysts: synthesis, properties, modification strategies, and photocatalytic applications. <i>Journal of Materials Science and Technology</i> , 2021 ,	9.1	8
206	Development and investigation of the flexible hydrogen sensor based on ZnO-decorated Sb ₂ O ₃ nanobelts. <i>Materials Today Chemistry</i> , 2021 , 22, 100576	6.2	1
205	Surface Treatment of Mixed-Halide CsPb(BrxI _{1-x}) ₃ Perovskite Quantum Dots for Thermal Stability Enhancement. <i>Materials Research Bulletin</i> , 2021 , 146, 111622	5.1	1
204	Perspectives on phytoremediation of zinc pollution in air, water and soil. <i>Sustainable Chemistry and Pharmacy</i> , 2021 , 24, 100550	3.9	3
203	Enzymatic conversion of pretreated lignocellulosic biomass: A review on influence of structural changes of lignin. <i>Bioresource Technology</i> , 2021 , 324, 124631	11	47
202	Electrochemical conversion of carbon dioxide over silver-based catalysts: Recent progress in cathode structure and interface engineering. <i>Chemical Engineering Science</i> , 2021 , 234, 116403	4.4	5
201	Emerging photocatalysts for air purification. <i>Materials Letters</i> , 2021 , 288, 129355	3.3	7
200	Recent Developments of Bioethanol Production 2021 , 175-208		0

199	Microstructural evolution during spark plasma sintering of TiC/AlN/graphene ceramics. <i>International Journal of Refractory Metals and Hard Materials</i> , 2021 , 96, 105496	4.1	2
198	Influence of molybdenum content on the microstructure of spark plasma sintered titanium alloys. <i>Synthesis and Sintering</i> , 2021 , 1, 41-47		12
197	Step-scheme heterojunction photocatalysts for solar energy, water splitting, CO ₂ conversion, and bacterial inactivation: a review. <i>Environmental Chemistry Letters</i> , 2021 , 19, 2941-2966	13.3	48
196	g-C ₃ N ₄ nanosheet adorned with Ag ₃ BiO ₃ as a perovskite: An effective photocatalyst for efficient visible-light photocatalytic processes. <i>Materials Science in Semiconductor Processing</i> , 2021 , 125, 105651	4.3	15
195	A survey on spark plasma sinterability of CNT-added TiC ceramics. <i>International Journal of Refractory Metals and Hard Materials</i> , 2021 , 96, 105471	4.1	8
194	A Strategy to Develop Efficient Ag ₃ PO ₄ -based Photocatalytic Materials Toward Water Splitting: Perspectives and Challenges. <i>ChemCatChem</i> , 2021 , 13, 2965-2987	5.2	8
193	Combined role of SiC whiskers and graphene nano-platelets on the microstructure of spark plasma sintered ZrB ₂ ceramics. <i>Ceramics International</i> , 2021 , 47, 12459-12466	5.1	9
192	Synergistic effects of Si ₃ N ₄ and CNT on densification and properties of TiC ceramics. <i>Ceramics International</i> , 2021 , 47, 12941-12950	5.1	5
191	Recent advances on water disinfection using bismuth based modified photocatalysts: Strategies and challenges. <i>Journal of Cleaner Production</i> , 2021 , 297, 126617	10.3	53
190	Chemical structure of a novel heteroglycan polysaccharide isolated from the biomass of <i>Ophiocordyceps Sobolifera</i> . <i>Journal of Molecular Structure</i> , 2021 , 1232, 129986	3.4	2
189	A review of dietary phytochemicals and their relation to oxidative stress and human diseases. <i>Chemosphere</i> , 2021 , 271, 129499	8.4	15
188	CO ₂ Reforming of CH ₄ on Mesoporous Alumina-Supported Cobalt Catalyst: Optimization of Lanthana Promoter Loading. <i>Topics in Catalysis</i> , 2021 , 64, 338-347	2.3	1
187	Light-driven reduction of carbon dioxide: Altering the reaction pathways and designing photocatalysts toward value-added and renewable fuels. <i>Chemical Engineering Science</i> , 2021 , 237, 116547	4.4	11
186	Multi-walled carbon nanotube-based nanobiosensor for the detection of cadmium in water. <i>Environmental Research</i> , 2021 , 197, 111148	7.9	12
185	Piezoelectric PAN/BaTiO ₃ nanofiber membranes sensor for structural health monitoring of real-time damage detection in composite. <i>Composites Communications</i> , 2021 , 25, 100680	6.7	21
184	Boosting light-driven CO reduction into solar fuels: Mainstream avenues for engineering ZnO-based photocatalysts. <i>Environmental Research</i> , 2021 , 197, 111134	7.9	13
183	An Overview on the Conversion of Forest Biomass into Bioenergy. <i>Frontiers in Energy Research</i> , 2021 , 9,	3.8	6
182	Core-shell architecture of NiSe ₂ nanoparticles@nitrogen-doped carbon for hydrogen evolution reaction in acidic and alkaline media. <i>International Journal of Energy Research</i> , 2021 , 45, 20463	4.5	4

181	Ligand-Assisted Sulfide Surface Treatment of CsPbI ₃ Perovskite Quantum Dots to Increase Photoluminescence and Recovery. <i>ACS Photonics</i> , 2021 , 8, 1979-1987	6.3	10
180	Microstructural evolution of TiB ₂ /SiC composites empowered with Si ₃ N ₄ , BN or TiN: A comparative study. <i>Ceramics International</i> , 2021 , 47, 1002-1011	5.1	6
179	Z-scheme g-C ₃ N ₄ nanosheet/MgBi ₂ O ₆ systems with the visible light response for impressive photocatalytic organic contaminants degradation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021 , 406, 113023	4.7	13
178	In situ preparation of g-CN nanosheet/FeOCl: Achievement and promoted photocatalytic nitrogen fixation activity. <i>Journal of Colloid and Interface Science</i> , 2021 , 587, 538-549	9.3	25
177	Post hot rolling of spark plasma sintered TiMoB ₄ C composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021 , 799, 140214	5.3	6
176	Metal-organic framework-derived MoS _x composites as efficient electrocatalysts for hydrogen evolution reaction. <i>Journal of Alloys and Compounds</i> , 2021 , 852, 156952	5.7	21
175	Hydrogen production and heavy metal immobilization using hyperaccumulators in supercritical water gasification. <i>Journal of Hazardous Materials</i> , 2021 , 402, 123541	12.8	21
174	Template-free synthesis of Vanadium Nitride Nanopetals (VNNP) as a high performance counter electrode for dye sensitized solar cells. <i>Solar Energy</i> , 2021 , 213, 145-153	6.8	5
173	ZrB ₂ /SiC composites with different carbonaceous additives. <i>International Journal of Refractory Metals and Hard Materials</i> , 2021 , 95, 105457	4.1	1
172	Recent advances in asphaltene transformation in heavy oil hydroprocessing: Progress, challenges, and future perspectives. <i>Fuel Processing Technology</i> , 2021 , 213, 106681	7.2	8
171	Advanced synthesis of MXene-derived nanoflower-shaped TiO ₂ @Ti ₃ C ₂ heterojunction to enhance photocatalytic degradation of Rhodamine B. <i>Environmental Technology and Innovation</i> , 2021 , 21, 1012867	7	11
170	Transition metal oxide-based electrode materials for flexible supercapacitors: A review. <i>Journal of Alloys and Compounds</i> , 2021 , 857, 158281	5.7	51
169	Phytoremediation of radionuclides in soil, sediments and water. <i>Journal of Hazardous Materials</i> , 2021 , 407, 124771	12.8	21
168	Recycling of aquaculture wastewater and sediment for sustainable corn and water spinach production. <i>Chemosphere</i> , 2021 , 268, 129329	8.4	3
167	Effects of discrete and simultaneous addition of SiC and Si ₃ N ₄ on microstructural development of TiB ₂ ceramics. <i>Ceramics International</i> , 2021 , 47, 3520-3528	5.1	3
166	Microstructure-property correlation in nano-diamond and TiN added TiC-based ceramics. <i>Ceramics International</i> , 2021 , 47, 449-460	5.1	4
165	Characterization of spark plasma sintered TiC/Si ₃ N ₄ ceramics. <i>International Journal of Refractory Metals and Hard Materials</i> , 2021 , 95, 105444	4.1	10
164	Effects of SiC on densification, microstructure and nano-indentation properties of ZrB ₂ /BN composites. <i>Ceramics International</i> , 2021 , 47, 9873-9880	5.1	5

163	Production of three-dimensional fiber needle-punching composites from denim waste for utilization as furniture materials. <i>Journal of Cleaner Production</i> , 2021 , 281, 125321	10.3	10
162	Effect of ultrasonic pretreatment on chain elongation of saccharified residue from food waste by anaerobic fermentation. <i>Environmental Pollution</i> , 2021 , 268, 115936	9.3	21
161	Characterization of dissolved organic matter for understanding the adsorption on nanomaterials in aquatic environment: A review. <i>Chemosphere</i> , 2021 , 269, 128690	8.4	9
160	Flexible bacterial cellulose-based BC-SiO ₂ -TiO ₂ -Ag membranes with self-cleaning, photocatalytic, antibacterial and UV-shielding properties as a potential multifunctional material for combating infections and environmental applications. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 104708	6.8	15
159	Synthesis of MoS _x /Ni-metal-organic framework-74 composites as efficient electrocatalysts for hydrogen evolution reactions. <i>International Journal of Energy Research</i> , 2021 , 45, 9638-9647	4.5	10
158	Highly stable electrochromic cells based on amorphous tungsten oxides prepared using a solution-annealing process. <i>International Journal of Energy Research</i> , 2021 , 45, 8061-8072	4.5	3
157	Double transition metal MXene (TiTaC) 2D materials as anodes for Li-ion batteries. <i>Scientific Reports</i> , 2021 , 11, 688	4.9	16
156	A TEM study on the microstructure of spark plasma sintered ZrB ₂ -based composite with nano-sized SiC dopant. <i>Progress in Natural Science: Materials International</i> , 2021 , 31, 47-54	3.6	1
155	Recent development of high-performance photocatalysts for N ₂ fixation: A review. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 104997	6.8	11
154	Anti-icing performance on aluminum surfaces and proposed model for freezing time calculation. <i>Scientific Reports</i> , 2021 , 11, 3641	4.9	9
153	Characterization of reactive spark plasma sintered (Zr,Ti)B ₂ -rCBiC composites. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021 , 119, 187-195	5.3	6
152	Solar-driven conversion of carbon dioxide over nanostructured metal-based catalysts in alternative approaches: Fundamental mechanisms and recent progress. <i>Environmental Research</i> , 2021 , 202, 111781	7.9	2
151	An overview on cellulose-supported semiconductor photocatalysts for water purification. <i>Nanotechnology for Environmental Engineering</i> , 2021 , 6, 1	5.1	8
150	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> , 2021 , 413, 125426	12.8	7
149	Recent advances and emerging trends in (BiO) ₂ CO ₃ based photocatalysts for environmental remediation: A review. <i>Surfaces and Interfaces</i> , 2021 , 25, 101273	4.1	3
148	Progress on the photocatalytic reduction of hexavalent Cr (VI) using engineered graphitic carbon nitride. <i>Chemical Engineering Research and Design</i> , 2021 , 152, 663-678	5.5	14
147	Constructing a novel all-solid-state Z-scheme BiVO ₄ /CQDs/FeVO ₄ photocatalyst and its enhancement to the photocatalytic activity. <i>Materials Letters</i> , 2021 , 297, 129940	3.3	3
146	Production of medium-chain fatty acid caproate from Chinese liquor distillers grain using pit mud as the fermentation microbes. <i>Journal of Hazardous Materials</i> , 2021 , 417, 126037	12.8	7

145	Advances and recent trends in cobalt-based cocatalysts for solar-to-fuel conversion. <i>Applied Materials Today</i> , 2021 , 24, 101074	6.6	11
144	Metal salt-modified biochars derived from agro-waste for effective congo red dye removal. <i>Environmental Research</i> , 2021 , 200, 111492	7.9	9
143	Role of ZnO and Fe ₂ O ₃ nanoparticle on synthetic saline wastewater on growth, nutrient removal and lipid content of <i>Chlorella vulgaris</i> for sustainable production of biofuel. <i>Fuel</i> , 2021 , 300, 120924	7.1	9
142	Microwave induced construction of multiple networks for multifunctional soy protein-based materials. <i>Progress in Organic Coatings</i> , 2021 , 158, 106390	4.8	2
141	WS-WC-WO nano-hollow spheres as an efficient and durable catalyst for hydrogen evolution reaction. <i>Nano Convergence</i> , 2021 , 8, 28	9.2	1
140	A roadmap towards the development of superior photocatalysts for solar-driven CO ₂ -to-fuels production. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 148, 111298	16.2	13
139	Role of TiCN addition on the characteristics of reactive spark plasma sintered ZrB ₂ -based novel composites. <i>Journal of Alloys and Compounds</i> , 2021 , 875, 159901	5.7	2
138	Nano-MOF-5 (Zn) Derived Porous Carbon as Support Electrocatalyst for Hydrogen Evolution Reaction. <i>ChemCatChem</i> , 2021 , 13, 4342	5.2	4
137	NH-MIL-125(Ti) doped CdS/Graphene composite as electro and photo catalyst in basic medium under light irradiation. <i>Environmental Research</i> , 2021 , 200, 111719	7.9	2
136	ZnS-based quantum dots as photocatalysts for water purification. <i>Journal of Water Process Engineering</i> , 2021 , 43, 102217	6.7	10
135	Photocatalytic degradation of surface-coated tourmaline-titanium dioxide for self-cleaning of formaldehyde emitted from furniture. <i>Journal of Hazardous Materials</i> , 2021 , 420, 126565	12.8	5
134	Progress in microbial biomass conversion into green energy. <i>Chemosphere</i> , 2021 , 281, 130835	8.4	9
133	Novel Z-Scheme ZnIn ₂ S ₄ -based photocatalysts for solar-driven environmental and energy applications: Progress and perspectives. <i>Journal of Materials Science and Technology</i> , 2021 , 87, 234-257	9.1	28
132	Stable and multicolored electrochromic device based on polyaniline-tungsten oxide hybrid thin film. <i>Journal of Alloys and Compounds</i> , 2021 , 882, 160718	5.7	4
131	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> , 2021 , 202, 111622	7.9	30
130	Controllable functionalization of g-C ₃ N ₄ mediated all-solid-state (ASS) Z-scheme photocatalysts towards sustainable energy and environmental applications. <i>Environmental Technology and Innovation</i> , 2021 , 24, 101972	7	3
129	Toward practical solar-driven photocatalytic water splitting on two-dimensional MoS ₂ based solid-state Z-scheme and S-scheme heterostructure. <i>Fuel</i> , 2021 , 303, 121302	7.1	10
128	Sustainable carbonaceous biochar adsorbents derived from agro-wastes and invasive plants for cation dye adsorption from water. <i>Chemosphere</i> , 2021 , 282, 131009	8.4	23

127	The emerging covalent organic frameworks (COFs) for solar-driven fuels production. <i>Coordination Chemistry Reviews</i> , 2021 , 446, 214117	23.2	23
126	Biosorbent derived from coffee husk for efficient removal of toxic heavy metals from wastewater. <i>Chemosphere</i> , 2021 , 284, 131312	8.4	11
125	Phenolic compounds degradation: Insight into the role and evidence of oxygen vacancy defects engineering on nanomaterials. <i>Science of the Total Environment</i> , 2021 , 800, 149410	10.2	5
124	Nanostructured photocatalysts: Introduction to photocatalytic mechanism and nanomaterials for energy and environmental applications 2021 , 3-33		0
123	TEMPO-oxidized cellulose nanofibers/polyacrylamide hybrid hydrogel with intrinsic self-recovery and shape memory properties. <i>Cellulose</i> , 2021 , 28, 1469-1488	5.5	25
122	Novel p-n Heterojunction Nanocomposite: TiO ₂ QDs/ZnBi ₂ O ₄ Photocatalyst with Considerably Enhanced Photocatalytic Activity under Visible-Light Irradiation. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 27519-27528	3.8	24
121	A novel spark plasma sintered TiC/ZrN/C composite with enhanced flexural strength. <i>Ceramics International</i> , 2020 , 46, 29022-29032	5.1	11
120	Electron microscopy investigation of spark plasma sintered ZrO ₂ added ZrB ₂ /SiC composite. <i>Ceramics International</i> , 2020 , 46, 19646-19649	5.1	47
119	Submerged photocatalytic membrane reactor with suspended and immobilized N-doped TiO ₂ under visible irradiation for diclofenac removal from wastewater. <i>Chemical Engineering Research and Design</i> , 2020 , 142, 229-237	5.5	22
118	Enhanced densification of spark plasma sintered TiB ₂ ceramics with low content AlN additive. <i>Ceramics International</i> , 2020 , 46, 22127-22133	5.1	25
117	Manufacturing ZrB-SiC-TaC Composite: Potential Application for Aircraft Wing Assessed by Frequency Analysis through Finite Element Model. <i>Materials</i> , 2020 , 13,	3.5	10
116	Densification behavior and microstructure development in TiB ₂ ceramics doped with h-BN. <i>Ceramics International</i> , 2020 , 46, 18970-18975	5.1	40
115	Exploring the novel PES/malachite mixed matrix membrane to remove organic matter for water purification. <i>Chemical Engineering Research and Design</i> , 2020 , 160, 63-73	5.5	7
114	A review on valorization of oyster mushroom and waste generated in the mushroom cultivation industry. <i>Journal of Hazardous Materials</i> , 2020 , 400, 123156	12.8	30
113	Photocatalytic NO _x abatement: Recent advances and emerging trends in the development of photocatalysts. <i>Journal of Cleaner Production</i> , 2020 , 270, 121912	10.3	36
112	Developments and applications of nanomaterial-based carbon paste electrodes.. <i>RSC Advances</i> , 2020 , 10, 21561-21581	3.7	32
111	Recent Advances in the Aptamer-Based Electrochemical Biosensors for Detecting Aflatoxin B1 and Its Pertinent Metabolite Aflatoxin M1. <i>Sensors</i> , 2020 , 20,	3.8	16
110	Recent Advances in Electrochemical Sensors and Biosensors for Detecting Bisphenol A. <i>Sensors</i> , 2020 , 20,	3.8	28

109	Physical, mechanical and microstructural characterization of TiC _z N ceramics. <i>Ceramics International</i> , 2020 , 46, 22154-22163	5.1	27
108	Graphene-based catalysts for electrochemical carbon dioxide reduction 2020 , 2, 158-175		30
107	Novel Architecture Titanium Carbide (TiCT) MXene Cocatalysts toward Photocatalytic Hydrogen Production: A Mini-Review. <i>Nanomaterials</i> , 2020 , 10,	5.4	63
106	Strategy for controlling the morphology and work function of W ₂ C/WS ₂ nanoflowers. <i>Journal of Alloys and Compounds</i> , 2020 , 829, 154582	5.7	8
105	Grid-Connected Photovoltaic Systems with Single-Axis Sun Tracker: Case Study for Central Vietnam. <i>Energies</i> , 2020 , 13, 1457	3.1	6
104	Iron molybdenum oxide-modified screen-printed electrode: Application for electrocatalytic oxidation of cabergoline. <i>Microchemical Journal</i> , 2020 , 157, 104890	4.8	6
103	Towards artificial photosynthesis: Sustainable hydrogen utilization for photocatalytic reduction of CO ₂ to high-value renewable fuels. <i>Chemical Engineering Journal</i> , 2020 , 402, 126184	14.7	55
102	Enhanced visible photocatalytic degradation of diclofen over N-doped TiO ₂ assisted with H ₂ O ₂ : A kinetic and pathway study. <i>Arabian Journal of Chemistry</i> , 2020 , 13, 8361-8371	5.9	18
101	Novel Exopolysaccharide Produced from Fermented Bamboo Shoot-Isolated. <i>Polymers</i> , 2020 , 12,	4.5	3
100	High capacity oil absorbent wood prepared through eco-friendly deep eutectic solvent delignification. <i>Chemical Engineering Journal</i> , 2020 , 401, 126150	14.7	40
99	Beneficial role of carbon black on the properties of TiC ceramics. <i>Ceramics International</i> , 2020 , 46, 23544-23555	5.3	30
98	Enhanced fracture toughness of ZrB ₂ SiC _w ceramics with graphene nano-platelets. <i>Ceramics International</i> , 2020 , 46, 24906-24915	5.1	32
97	Quasi-2D halide perovskites for resistive switching devices with ON/OFF ratios above 10 ⁹ . <i>NPG Asia Materials</i> , 2020 , 12,	10.3	37
96	An efficient hydrogenation catalytic model hosted in a stable hyper-crosslinked porous-organic-polymer: from fatty acid to bio-based alkane diesel synthesis. <i>Green Chemistry</i> , 2020 , 22, 2049-2068	10	29
95	Recent Advances in TiO-Based Photocatalysts for Reduction of CO to Fuels. <i>Nanomaterials</i> , 2020 , 10,	5.4	65
94	MXenes: Applications in electrocatalytic, photocatalytic hydrogen evolution reaction and CO ₂ reduction. <i>Molecular Catalysis</i> , 2020 , 486, 110850	3.3	57
93	Valorization of biomass waste to engineered activated biochar by microwave pyrolysis: Progress, challenges, and future directions. <i>Chemical Engineering Journal</i> , 2020 , 389, 124401	14.7	254
92	Graphene-based buffer layers for light-emitting diodes 2020 , 99-116		

91	La-doped cobalt supported on mesoporous alumina catalysts for improved methane dry reforming and coke mitigation. <i>Journal of the Energy Institute</i> , 2020 , 93, 1571-1580	5.7	16
90	Recent Advances in Selective Photo-Epoxidation of Propylene: A Review. <i>Catalysts</i> , 2020 , 10, 87	4	7
89	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> , 2020 , 823, 153897	5.7	19
88	Graphene-mediated enhanced Raman scattering and coherent light lasing from CsPbI ₃ perovskite nanorods. <i>Nano Energy</i> , 2020 , 70, 104497	17.1	2
87	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> , 2020 , 8, 10571-10603	13	38
86	Microstructural and mechanical characterization of spark plasma sintered TiC ceramics with TiN additive. <i>Ceramics International</i> , 2020 , 46, 18924-18932	5.1	35
85	Characterization of spark plasma sintered TiC ceramics reinforced with graphene nano-platelets. <i>Ceramics International</i> , 2020 , 46, 18742-18749	5.1	39
84	Role of nano-diamond addition on the characteristics of spark plasma sintered TiC ceramics. <i>Diamond and Related Materials</i> , 2020 , 106, 107828	3.5	43
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