Dang Le Tri Nguyen

List of Publications by Year
in descending order

46 papers	2,032 citations	218381 26 h-index	264894 42 g-index
47 all docs	47 docs citations	47 times ranked	2031 citing authors

#	Article	IF	Citations
1	Recent Advances in TiO2-Based Photocatalysts for Reduction of CO2 to Fuels. Nanomaterials, 2020, 10, 337.	1.9	133
2	Selective CO₂ Reduction on Zinc Electrocatalyst: The Effect of Zinc Oxidation State Induced by Pretreatment Environment. ACS Sustainable Chemistry and Engineering, 2017, 5, 11377-11386.	3.2	127
3	Recent progress in TiO2-based photocatalysts for hydrogen evolution reaction: A review. Arabian Journal of Chemistry, 2020, 13, 3653-3671.	2.3	120
4	Progress in development of electrocatalyst for CO₂ conversion to selective CO production. , 2020, 2, 72-98.		117
5	Novel Architecture Titanium Carbide (Ti3C2Tx) MXene Cocatalysts toward Photocatalytic Hydrogen Production: A Mini-Review. Nanomaterials, 2020, 10, 602.	1.9	114
6	Sustainable and green trends in using plant extracts for the synthesis of biogenic metal nanoparticles toward environmental and pharmaceutical advances: A review. Environmental Research, 2021, 202, 111622.	3.7	113
7	The emerging covalent organic frameworks (COFs) for solar-driven fuels production. Coordination Chemistry Reviews, 2021, 446, 214117.	9.5	79
8	Designing Atomically Dispersed Au on Tensile-Strained Pd for Efficient CO₂ Electroreduction to Formate. Journal of the American Chemical Society, 2021, 143, 5386-5395.	6.6	74
9	Toward an Effective Control of the H₂ to CO Ratio of Syngas through CO₂ Electroreduction over Immobilized Gold Nanoparticles on Layered Titanate Nanosheets. ACS Catalysis, 2018, 8, 4364-4374.	5.5	69
10	Emerging cocatalysts in TiO2-based photocatalysts for light-driven catalytic hydrogen evolution: Progress and perspectives. Fuel, 2022, 307, 121745.	3.4	68
11	Halide perovskite photocatalysis: progress and perspectives. Journal of Chemical Technology and Biotechnology, 2020, 95, 2579-2596.	1.6	66
12	Metalâ€“Oxide Interfaces for Selective Electrochemical Câ€“C Coupling Reactions. ACS Energy Letters, 2019, 4, 2241-2248.	8.8	62
13	Boosting light-driven CO2 reduction into solar fuels: Mainstream avenues for engineering ZnO-based photocatalysts. Environmental Research, 2021, 197, 111134.	3.7	61
14	Facile synthesis of WS2 hollow spheres and their hydrogen evolution reaction performance. Applied Surface Science, 2020, 505, 144574.	3.1	58
15	Mass Transport Control by Surface Graphene Oxide for Selective CO Production from Electrochemical CO₂ Reduction. ACS Catalysis, 2020, 10, 3222-3231.	5.5	57
16	Metal salt-modified biochars derived from agro-waste for effective congo red dye removal. Environmental Research, 2021, 200, 111492.	3.7	57
17	Effect of halides on nanoporous Zn-based catalysts for highly efficient electroreduction of CO2 to CO. Catalysis Communications, 2018, 114, 109-113.	1.6	55
18	Recent advances in twoâ€dimensional transition metal dichalcogenides as photoelectrocatalyst for hydrogen evolution reaction. Journal of Chemical Technology and Biotechnology, 2020, 95, 2597-2607.	1.6	52

#	Article	IF	Citations
19	Recent trends in development of hematite (Î±-Fe2O3) as an efficient photoanode for enhancement of photoelectrochemical hydrogen production by solar water splitting. International Journal of Hydrogen Energy, 2021, 46, 23334-23357.	3.8	48
20	Corrosion inhibition, surface adsorption and computational studies of Swertia chirata extract: A sustainable and green approach. Materials Chemistry and Physics, 2021, 267, 124613.	2.0	45
21	Controlling the C2+ product selectivity of electrochemical CO₂reduction on an electrosprayed Cu catalyst. Journal of Materials Chemistry A, 2020, 8, 6210-6218.	5.2	37
22	Hierarchical molybdenum disulfide on carbon nanotubeâ€“reduced graphene oxide composite paper as efficient catalysts for hydrogen evolution reaction. Journal of Alloys and Compounds, 2020, 823, 153897.	2.8	36
23	Recent advances in asphaltene transformation in heavy oil hydroprocessing: Progress, challenges, and future perspectives. Fuel Processing Technology, 2021, 213, 106681.	3.7	35
24	Recent development of high-performance photocatalysts for N2 fixation: A review. Journal of Environmental Chemical Engineering, 2021, 9, 104997.	3.3	33
25	A roadmap towards the development of superior photocatalysts for solar- driven CO2-to-fuels production. Renewable and Sustainable Energy Reviews, 2021, 148, 111298.	8.2	31
26	Light-driven reduction of carbon dioxide: Altering the reaction pathways and designing photocatalysts toward value-added and renewable fuels. Chemical Engineering Science, 2021, 237, 116547.	1.9	26
27	Toward practical solar-driven photocatalytic water splitting on two-dimensional MoS2 based solid-state Z-scheme and S-scheme heterostructure. Fuel, 2021, 303, 121302.	3.4	26
28	Metal-organic-framework based catalyst for hydrogen production: Progress and perspectives. International Journal of Hydrogen Energy, 2022, 47, 37552-37568.	3.8	24
29	Advances and recent trends in cobalt-based cocatalysts for solar-to-fuel conversion. Applied Materials Today, 2021, 24, 101074.	2.3	23
30	MOF-derived NiSe2 nanoparticles grown on carbon fiber as a binder-free and efficient catalyst for hydrogen evolution reaction. International Journal of Hydrogen Energy, 2022, 47, 41587-41595.	3.8	22
31	Toward syngas production from simulated biogas dry reforming: Promotional effect of calcium on cobalt-based catalysts performance. Fuel, 2022, 326, 125106.	3.4	21
32	Solventâ€Mediated Polymorphic Transformation of Î±â€Talirelin by Seeded Crystallization. Chemical Engineering and Technology, 2016, 39, 1281-1288.	0.9	17
33	Photoelectrochemical CO₂ Reduction with a Rhenium Organometallic Redox Mediator at Semiconductor/Aqueous Liquid Junction Interfaces. Angewandte Chemie - International Edition, 2019, 58, 16395-16399.	7.2	17
34	Boosted methane dry reforming for hydrogen generation on cobalt catalyst with small cerium dosage. International Journal of Hydrogen Energy, 2022, 47, 42200-42212.	3.8	16
35	Electrochemical conversion of carbon dioxide over silver-based catalysts: Recent progress in cathode structure and interface engineering. Chemical Engineering Science, 2021, 234, 116403.	1.9	15
36	Recent Progress in Carbon-Based Buffer Layers for Polymer Solar Cells. Polymers, 2019, 11, 1858.	2.0	14

#	Article	IF	Citations
37	Inline Monitoring of Taltirelin Crystallization in Batch Cooling Mode Using Raman Spectroscopy. Chemical Engineering and Technology, 2015, 38, 1059-1067.	0.9	12
38	Solar-driven conversion of carbon dioxide over nanostructured metal-based catalysts in alternative approaches: Fundamental mechanisms and recent progress. Environmental Research, 2021, 202, 111781.	3.7	12
39	Recent advances and emerging trends in (BiO)2CO3 based photocatalysts for environmental remediation: A review. Surfaces and Interfaces, 2021, 25, 101273.	1.5	12
40	First-principles calculations to investigate electronic properties of ZnO/PtSSe van der Waals heterostructure: Effects of vertical strain and electric field. Chemical Physics, 2021, 551, 111333.	0.9	9
41	Photoelectrochemical CO 2 Reduction with a Rhenium Organometallic Redox Mediator at Semiconductor/Aqueous Liquid Junction Interfaces. Angewandte Chemie, 2019, 131, 16547-16551.	1.6	8
42	Converting biomass of agrowastes and invasive plant into alternative materials for water remediation. Biomass Conversion and Biorefinery, 0, , 1.	2.9	4
43	Electrochemical conversion of CO2 to value-added chemicals over bimetallic Pd-based nanostructures: Recent progress and emerging trends. Environmental Research, 2022, 211, 113116.	3.7	4
44	Nanostructured photocatalysts: Introduction to photocatalytic mechanism and nanomaterials for energy and environmental applications. , 2021, , 3-33.		2
45	Experimental Solubilities of Taltirelin in Water, Ethanol, 1-Propanol and 2-Propanol over Temperatures from 273.2 to 323.2 K. Journal of Chemical Engineering of Japan, 2018, 51, 216-221.	0.3	1
46	Titelbild: Photoelectrochemical CO₂ Reduction with a Rhenium Organometallic Redox Mediator at Semiconductor/Aqueous Liquid Junction Interfaces (Angew. Chem. 46/2019). Angewandte Chemie, 2019, 131, 16481-16481.	1.6	0