

Quang Thang Trinh

List of Publications by Citations

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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.

55 papers	1,742 citations	27 h-index	41 g-index
60 ext. papers	2,320 ext. citations	7.1 avg, IF	5.15 L-index

#	Paper	IF	Citations
55	Silk Fibroin-Based Biomaterials for Biomedical Applications: A Review. <i>Polymers</i> , 2019 , 11,	4.5	121
54	Size-Dependent Catalytic Activity of Palladium Nanoparticles Fabricated in Porous Organic Polymers for Alkene Hydrogenation at Room Temperature. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 15307-19	9.5	90
53	Occurrence and risk assessment of multiple classes of antibiotics in urban canals and lakes in Hanoi, Vietnam. <i>Science of the Total Environment</i> , 2019 , 692, 157-174	10.2	81
52	Insights into biofilm carriers for biological wastewater treatment processes: Current state-of-the-art, challenges, and opportunities. <i>Bioresource Technology</i> , 2019 , 288, 121619	11	77
51	Computational and experimental study of the Volcano behavior of the oxygen reduction activity of PdM@PdPt/C (M=Pt, Ni, Co, Fe, and Cr) core-shell electrocatalysts. <i>Journal of Catalysis</i> , 2012 , 291, 26-35	7.3	74
50	Recent Advances in TiO ₂ -Based Photocatalysts for Reduction of CO to Fuels. <i>Nanomaterials</i> , 2020 , 10,	5.4	65
49	Effect of impact angle and testing time on erosion of stainless steel at higher velocities. <i>Wear</i> , 2014 , 321, 87-93	3.5	65
48	Synergistic Application of XPS and DFT to Investigate Metal Oxide Surface Catalysis. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 22397-22406	3.8	64
47	Novel Architecture Titanium Carbide (TiCT) MXene Cocatalysts toward Photocatalytic Hydrogen Production: A Mini-Review. <i>Nanomaterials</i> , 2020 , 10,	5.4	63
46	Unraveling the mechanism of the oxidation of glycerol to dicarboxylic acids over a sonochemically synthesized copper oxide catalyst. <i>Green Chemistry</i> , 2018 , 20, 2730-2741	10	60
45	Recent progress in TiO ₂ -based photocatalysts for hydrogen evolution reaction: A review. <i>Arabian Journal of Chemistry</i> , 2020 , 13, 3653-3671	5.9	58
44	Origin of extraordinary stability of square-planar carbon atoms in surface carbides of cobalt and nickel. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 5312-6	16.4	55
43	Synergistic Effect of High-Frequency Ultrasound with Cupric Oxide Catalyst Resulting in a Selectivity Switch in Glucose Oxidation under Argon. <i>Journal of the American Chemical Society</i> , 2019 , 141, 14772-14779	16.4	53
42	Interface Engineering of Graphene-Supported Cu Nanoparticles Encapsulated by Mesoporous Silica for Size-Dependent Catalytic Oxidative Coupling of Aromatic Amines. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 11722-11735	9.5	53
41	Biomass Oxidation: Formyl C-H Bond Activation by the Surface Lattice Oxygen of Regenerative CuO Nanoleaves. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 8928-33	16.4	49
40	Insights into the synergistic role of metal lattice oxygen site pairs in four-centered C-H bond activation of methane: the case of CuO. <i>Catalysis Science and Technology</i> , 2016 , 6, 3984-3996	5.5	42
39	Evaluating the Structure of Catalysts Using Core-Level Binding Energies Calculated from First Principles. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 1684-1691	3.8	40

38	Crystallization-induced red emission of a facilely synthesized biodegradable indigo derivative. <i>Chemical Communications</i> , 2015 , 51, 3375-8	5.8	38
37	Sub-Surface Boron-Doped Copper for Methane Activation and Coupling: First-Principles Investigation of the Structure, Activity, and Selectivity of the Catalyst. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 1099-1112	3.8	37
36	Selective and Catalyst-free Oxidation of D-Glucose to D-Glucuronic acid induced by High-Frequency Ultrasound. <i>Scientific Reports</i> , 2017 , 7, 40650	4.9	36
35	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
34	Mechanistic insights into the catalytic elimination of tar and the promotional effect of boron on it: first-principles study using toluene as a model compound. <i>Catalysis Science and Technology</i> , 2016 , 6, 5871-5883	5.5	36
33	Porous structured CuO-CeO ₂ nanospheres for the direct oxidation of cellobiose and glucose to gluconic acid. <i>Catalysis Today</i> , 2018 , 306, 172-182	5.3	34
32	Ferrihydrite Particle Encapsulated within a Molecular Organic Cage. <i>Journal of the American Chemical Society</i> , 2018 , 140, 17753-17759	16.4	32
31	Adsorption and Reactivity of Cellulosic Aldoses on Transition Metals. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 17137-17145	3.8	31
30	Integrated Experimental and Theoretical Study of Shape-Controlled Catalytic Oxidative Coupling of Aromatic Amines over CuO Nanostructures. <i>ACS Omega</i> , 2016 , 1, 1121-1138	3.9	31
29	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
28	Halide perovskite photocatalysis: progress and perspectives. <i>Journal of Chemical Technology and Biotechnology</i> , 2020 , 95, 2579	3.5	25
27	Synergy Effects of the Mixture of Bismuth Molybdate Catalysts with SnO ₂ /ZrO ₂ /MgO in Selective Propene Oxidation and the Connection between Conductivity and Catalytic Activity. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 4846-4855	3.9	25
26	Navigating Copper-Atom-Pair Structural Effect inside a Porous Organic Polymer Cavity for Selective Hydrogenation of Biomass-Derived 5-Hydroxymethylfurfural. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 2136-2151	8.3	23
25	A novel red mud adsorbent for phosphorus and diclofenac removal from wastewater. <i>Journal of Molecular Liquids</i> , 2020 , 303, 112286	6	22
24	Ficus racemosa leaf extract for inhibiting steel corrosion in a hydrochloric acid medium. <i>AEJ - Alexandria Engineering Journal</i> , 2020 , 59, 4449-4462	6.1	20
23	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
22	Predicting CO ₂ adsorption and reactivity on transition metal surfaces using popular density functional theory methods. <i>Molecular Simulation</i> , 2019 , 45, 1163-1172	2	18
21	Realizing Catalytic Acetophenone Hydrodeoxygenation with Palladium-Equipped Porous Organic Polymers. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 50550-50565	9.5	17

20	Capability of Aganonerion polymorphum leaf-water extract in protecting hydrochloric acid induced steel corrosion. <i>New Journal of Chemistry</i> , 2019 , 43, 15646-15658	3.6	16
19	Porous-Organic-Polymer-Triggered Advancement of Sustainable Magnetic Efficient Catalyst for Chemoselective Hydrogenation of Cinnamaldehyde. <i>ChemCatChem</i> , 2020 , 12, 3687-3704	5.2	15
18	Biomass Oxidation: Formyl C-H Bond Activation by the Surface Lattice Oxygen of Regenerative CuO Nanoleaves. <i>Angewandte Chemie</i> , 2015 , 127, 9056-9061	3.6	14
17	SERS Spectra of the Pesticide Chlorpyrifos Adsorbed on Silver Nanosurface: The Ag ₂₀ Cluster Model. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 21702-21716	3.8	14
16	Strong Metal-Support Interaction for 2D Materials: Application in Noble Metal/TiB Heterointerfaces and their Enhanced Catalytic Performance for Formic Acid Dehydrogenation. <i>Advanced Materials</i> , 2021 , 33, e2101536	24	13
15	Recent advances in two-dimensional transition metal dichalcogenides as photoelectrocatalyst for hydrogen evolution reaction. <i>Journal of Chemical Technology and Biotechnology</i> , 2020 , 95, 2597	3.5	12
14	Manipulating Intermediates at the Au/TiO ₂ Interface over InP Nanopillar Array for Photoelectrochemical CO ₂ Reduction. <i>ACS Catalysis</i> , 2021 , 11, 11416-11428	13.1	7
13	Chiral Monolayers with Achiral Tetrapod Molecules on Highly Oriented Pyrolytic Graphite. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 7760-7767	3.8	5
12	Magnetically recyclable CuFe ₂ O ₄ catalyst for efficient synthesis of bis(indolyl)methanes using indoles and alcohols under mild condition. <i>Catalysis Communications</i> , 2021 , 149, 106240	3.2	5
11	Comments on "Antibiotic pollution in surface fresh waters: Occurrence and effects", <i>Science of the Total Environment</i> , 664, 793-804 (2019). <i>Science of the Total Environment</i> , 2019 , 685, 1308-1309	10.2	4
10	Origin of Extraordinary Stability of Square-Planar Carbon Atoms in Surface Carbides of Cobalt and Nickel. <i>Angewandte Chemie</i> , 2015 , 127, 5402-5406	3.6	4
9	Carbon dioxide capture over amine functionalized styrene divinylbenzene copolymer: An experimental batch and continuous studies. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 10, 106910	6.8	4
8	Upgrading of Bio-oil from Biomass Pyrolysis: Current Status and Future Development 2020 , 317-353		3
7	Facile access to bis(indolyl)methanes by copper-catalysed alkylation of indoles using alcohols under air. <i>Tetrahedron Letters</i> , 2021 , 68, 152936	2	2
6	gPROMS-driven modeling and simulation of fixed bed adsorption of heavy metals on a biosorbent: benchmarking and case study. <i>Environmental Science and Pollution Research</i> , 2021 , 1	5.1	2
5	SERS Chemical Enhancement of 2,4,5-Trichlorophenoxyacetic Acid Adsorbed on Silver Substrate. <i>Journal of Physical Chemistry A</i> , 2021 , 125, 8529-8541	2.8	2
4	Perovskite materials as photocatalysts: Current status and future perspectives 2021 , 169-216		1
3	Efficient copper-catalyzed synthesis of C3-alkylated indoles from indoles and alcohols. <i>Molecular Catalysis</i> , 2021 , 505, 111462	3.3	0

2 State-of-the-art practices to upgrade biomass fast pyrolysis derived bio-oil **2022**, 115-147

1 Progress in biomass fast pyrolysis: An outlook of modern experimental approaches **2022**, 21-62