

# Khanh B Vu

## List of Publications by Year in descending order

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45  
papers

1,211  
citations

361413

20  
h-index

377865

34  
g-index

47  
all docs

47  
docs citations

47  
times ranked

1512  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pt-Sn alloy phases and coke mobility over Pt-Sn/Al <sub>2</sub> O <sub>3</sub> and Pt-Sn/ZnAl <sub>2</sub> O <sub>4</sub> catalysts for propane dehydrogenation. <i>Applied Catalysis A: General</i> , 2011, 400, 25-33.	4.3	112
2	Surface-Bound Ligands Modulate Chemoselectivity and Activity of a Bimetallic Nanoparticle Catalyst. <i>ACS Catalysis</i> , 2015, 5, 2529-2533.	11.2	79
3	Location and structure of coke generated over Pt-Sn/Al <sub>2</sub> O <sub>3</sub> in propane dehydrogenation. <i>Journal of Industrial and Engineering Chemistry</i> , 2011, 17, 71-76.	5.8	71
4	Experimental and computational investigation on interaction mechanism of Rhodamine B adsorption and photodegradation by zeolite imidazole frameworks-8. <i>Applied Surface Science</i> , 2021, 538, 148065.	6.1	69
5	Propane dehydrogenation over Pt-Sn/Rare-earth-doped Al <sub>2</sub> O <sub>3</sub> : Influence of La, Ce, or Y on the formation and stability of Pt-Sn alloys. <i>Catalysis Today</i> , 2011, 164, 214-220.	4.4	66
6	Effective Estimation of Ligand-Binding Affinity Using Biased Sampling Method. <i>ACS Omega</i> , 2019, 4, 3887-3893.	3.5	52
7	Flexible and high-sensitivity sensor based on Ti <sub>3</sub> C <sub>2</sub> MoS <sub>2</sub> MXene composite for the detection of toxic gases. <i>Chemosphere</i> , 2022, 291, 133025.	8.2	52
8	Influence of Lanthanide Promoters on Ni/SBA-15 Catalysts for Syngas Production by Methane Dry Reforming. <i>Procedia Engineering</i> , 2016, 148, 1388-1395.	1.2	51
9	Catalytic performance of La-Ni/Al <sub>2</sub> O <sub>3</sub> catalyst for CO <sub>2</sub> reforming of ethanol. <i>Catalysis Today</i> , 2017, 291, 67-75.	4.4	51
10	(Bio)Propylene production processes: A critical review. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105673.	6.7	44
11	Promotional Effect of Ce-dopant on Al <sub>2</sub> O <sub>3</sub> -supported Co Catalysts for Syngas Production via CO <sub>2</sub> Reforming of Ethanol. <i>Procedia Engineering</i> , 2016, 148, 646-653.	1.2	41
12	Effect of Supports and Promoters on the Performance of Ni-Based Catalysts in Ethanol Steam Reforming. <i>Chemical Engineering and Technology</i> , 2020, 43, 672-688.	1.5	40
13	Stability evaluation of ethanol dry reforming on Lanthanum-doped cobalt-based catalysts for hydrogen-rich syngas generation. <i>International Journal of Energy Research</i> , 2019, 43, 405-416.	4.5	39
14	Removal of the antibiotic tetracycline by Fe-impregnated SBA-15. <i>Korean Journal of Chemical Engineering</i> , 2010, 27, 116-120.	2.7	33
15	Adsorption of tetracycline on La-impregnated MCM-41 materials. <i>Environmental Technology (United Kingdom)</i> , 2011, 32, 1107-1114.	0.7843	14
16	Co <sup>2+</sup> substituted for Bi <sup>3+</sup> in BiVO <sub>4</sub> and its enhanced photocatalytic activity under visible LED light irradiation. <i>RSC Advances</i> , 2019, 9, 23526-23534.	3.6	30
17	Oversampling Free Energy Perturbation Simulation in Determination of the Ligand-Binding Free Energy. <i>Journal of Computational Chemistry</i> , 2020, 41, 611-618.	3.3	30
18	Rapid prediction of possible inhibitors for SARS-CoV-2 main protease using docking and FPL simulations. <i>RSC Advances</i> , 2020, 10, 31991-31996.	3.6	30

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19	Prediction of AChE-ligand affinity using the umbrella sampling simulation. <i>Journal of Molecular Graphics and Modelling</i> , 2019, 93, 107441.	2.4	24
20	Palladium N-Heterocyclic Carbene Precatalyst Site Isolated in the Core of a Star Polymer. <i>Organic Letters</i> , 2015, 17, 4826-4829.	4.6	23
21	Polystyrene nanoparticles prepared by nanoprecipitation: A recyclable template for fabricating hollow silica. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 97, 307-315.	5.8	20
22	Oxidation of Coke Formed Over Pt-Al <sub>2</sub> O <sub>3</sub> and Pt-SBA-15 in Propane Dehydrogenation. <i>Catalysis Letters</i> , 2009, 133, 376-381.	2.6	19
23	Influence of Oxygen Mobility over Supported Pt Catalysts on Combustion Temperature of Coke Generated in Propane Dehydrogenation. <i>Catalysis Letters</i> , 2011, 141, 699-704.	2.6	17
24	Clean and effective catalytic reduction of graphene oxide using atomic hydrogen spillover on Pt/γ-Al <sub>2</sub> O <sub>3</sub> catalyst. <i>Materials Letters</i> , 2012, 86, 161-164.	2.6	17
25	The roles of Ce <sub>0.5</sub> Zr <sub>0.5</sub> O <sub>2</sub> in propane dehydrogenation: Enhancing catalytic stability and decreasing coke combustion temperature. <i>Applied Catalysis A: General</i> , 2012, 443-444, 59-66.	4.3	17
26	One-Pot Synthesis of Au@SiO <sub>2</sub> Catalysts: A Click Chemistry Approach. <i>ACS Combinatorial Science</i> , 2014, 16, 513-517.	3.8	16
27	How do magnetic, structural, and electronic criteria of aromaticity relate to HOMO-LUMO gap? An evaluation for graphene quantum dot and its derivatives. <i>Chemical Physics</i> , 2020, 539, 110951.	1.9	16
28	Electronic density enrichment of Pt catalysts by coke in the propane dehydrogenation. <i>Korean Journal of Chemical Engineering</i> , 2011, 28, 383-387.	2.7	15
29	Ring opening metathesis polymerization of cyclopentene using a ruthenium catalyst confined by a branched polymer architecture. <i>Polymer Chemistry</i> , 2016, 7, 2923-2928.	3.9	12
30	Influence of various force fields in estimating the binding affinity of acetylcholinesterase inhibitors using fast pulling of ligand scheme. <i>Chemical Physics Letters</i> , 2018, 701, 65-71.	2.6	12
31	Gold@silica catalyst: Porosity of silica shells switches catalytic reactions. <i>Chemical Physics Letters</i> , 2019, 728, 80-86.	2.6	12
32	Conjugated polymers: A systematic investigation of their electronic and geometric properties using density functional theory and semi-empirical methods. <i>Synthetic Metals</i> , 2018, 246, 128-136.	3.9	11
33	Atomistic investigation of an Iowa Amyloid-β <sup>2</sup> trimer in aqueous solution. <i>RSC Advances</i> , 2018, 8, 41705-41712.	3.6	9
34	Fabrication of superhydrophobic surface using one-step chemical treatment. <i>Surfaces and Interfaces</i> , 2020, 21, 100673.	3.0	9
35	pH-Sensitive amphiphilic block-copolymers for transport and controlled release of oxygen. <i>Polymer Chemistry</i> , 2017, 8, 4322-4326.	3.9	8
36	cis-Cyclooctene epoxidation catalyzed by bulk metallophthalocyanines, metallohexadecafluorophthalocyanines and hollow silica-supported metallohexadecafluorophthalocyanine. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 40, 40-46.	5.8	7

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37	The Effect of Tin-Support Interaction on Catalytic Stability over Pt-Sn/Al-SBA-15 Catalysts for Propane Dehydrogenation. <i>Catalysis Letters</i> , 2012, 142, 838-844.	2.6	6
38	Marine derivatives prevent <i>MUS81</i> in silico studies. <i>Royal Society Open Science</i> , 2021, 8, 210974.	2.4	5
39	Structural and Energetic Impact of Non-natural 7-Deaza-8-azaguanine, 7-Deaza-8-azaisoguanine, and Their 7-Substituted Derivatives on Hydrogen-Bond Pairing with Cytosine and Isocytosine. <i>ChemBioChem</i> , 2019, 20, 2262-2270.	2.6	4
40	Fine Tuning of the Copper Active Site in Polysaccharide Monooxygenases. <i>Journal of Physical Chemistry B</i> , 2020, 124, 1859-1865.	2.6	3
41	Structural investigations of halogen substituted 1,4-dihydropyridine derivatives: Crystallographic and computational studies. <i>Journal of Molecular Structure</i> , 2022, 1251, 132008.	3.6	2
42	Potential applications of waste lignin from the paper and pulp industry in Viet Nam. <i>Science and Technology Development Journal</i> , 2020, 23, 716-726.	0.1	2
43	Nanocapsules with fluororous filling: A molecular zipper approach. <i>Journal of Polymer Science Part A</i> , 2015, 53, 215-218.	2.3	1
44	Fractionation of lignin produced from the Earleaf Acacia tree by sequential industrial organic solvents. <i>Science and Technology Development Journal</i> , 2021, 24, 1835-1841.	0.1	1
45	Hollow Nanospheres with Fluororous Interiors for Transport of Molecular Oxygen in Water. <i>ChemistrySelect</i> , 2016, 1, 3306-3309.	1.5	0