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	Structural investigations of halogen substituted 1,4-dihydropyridine derivatives: Crystallographic and computational studies. Journal of Molecular Structure, 2022, 1251, 132008.	3.6	2
2	Flexible and high-sensitivity sensor based on Ti3C2â€“MoS2 MXene composite for the detection of toxic gases. Chemosphere, 2022, 291, 133025.	8.2	52
3	Experimental and computational investigation on interaction mechanism of Rhodamine B adsorption and photodegradation by zeolite imidazole frameworks-8. Applied Surface Science, 2021, 538, 148065.	6.1	69
4	Fractionation of lignin produced from the Earleaf Acacia tree by sequential industrial organic solvents. Science and Technology Development Journal, 2021, 24, 1835-1841.	0.1	1
5	Polystyrene nanoparticles prepared by nanoprecipitation: A recyclable template for fabricating hollow silica. Journal of Industrial and Engineering Chemistry, 2021, 97, 307-315.	5.8	20
6	(Bio)Propylene production processes: A critical review. Journal of Environmental Chemical Engineering, 2021, 9, 105673.	6.7	44
7	Marine derivatives preventwMUS81in silicostudies. Royal Society Open Science, 2021, 8, 210974.	2.4	5
8	Oversampling Free Energy Perturbation Simulation in Determination of the Ligandâ€Binding Free Energy. Journal of Computational Chemistry, 2020, 41, 611-618.	3.3	30
9	Fabrication of superhydrophobic surface using one-step chemical treatment. Surfaces and Interfaces, 2020, 21, 100673.	3.0	9
10	Effect of Supports and Promoters on the Performance of Niâ€Based Catalysts inÂEthanol Steam Reforming. Chemical Engineering and Technology, 2020, 43, 672-688.	1.5	40
11	How do magnetic, structural, and electronic criteria of aromaticity relate to HOMO â€“ LUMO gap? An evaluation for graphene quantum dot and its derivatives. Chemical Physics, 2020, 539, 110951.	1.9	16
12	Rapid prediction of possible inhibitors for SARS-CoV-2 main protease using docking and FPL simulations. RSC Advances, 2020, 10, 31991-31996.	3.6	30
13	Fine Tuning of the Copper Active Site in Polysaccharide Monooxygenases. Journal of Physical Chemistry B, 2020, 124, 1859-1865.	2.6	3
14	Potential applications of waste lignin from the paper and pulp industry in Viet Nam. Science and Technology Development Journal, 2020, 23, 716-726.	0.1	2
15	Co²⁺ substituted for Bi³⁺ in BiVO₄ and its enhanced photocatalytic activity under visible LED light irradiation. RSC Advances, 2019, 9, 23526-23534.	3.6	30
16	Prediction of AChE-ligand affinity using the umbrella sampling simulation. Journal of Molecular Graphics and Modelling, 2019, 93, 107441.	2.4	24
17	Gold@silica catalyst: Porosity of silica shells switches catalytic reactions. Chemical Physics Letters, 2019, 728, 80-86.	2.6	12
18	Structural and Energetic Impact of Nonâ€natural 7â€Deazaâ€8â€azaguanine, 7â€Deazaâ€8â€azaisoguanine, and Their 7â€Substituted Derivatives on Hydrogenâ€Bond Pairing with Cytosine and Isocytosine. ChemBioChem, 2019, 20, 2262-2270.	2.6	4

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19	Effective Estimation of Ligand-Binding Affinity Using Biased Sampling Method. ACS Omega, 2019, 4, 3887-3893.	3.5	52
20	Stability evaluation of ethanol dry reforming on Lanthaniaâ€doped cobaltâ€based catalysts for hydrogenâ€rich syngas generation. International Journal of Energy Research, 2019, 43, 405-416.	4.5	39
21	Influence of various force fields in estimating the binding affinity of acetylcholinesterase inhibitors using fast pulling of ligand scheme. Chemical Physics Letters, 2018, 701, 65-71.	2.6	12
22	Atomistic investigation of an Iowa Amyloid-Î² trimer in aqueous solution. RSC Advances, 2018, 8, 41705-41712.	3.6	9
23	Conjugated polymers: A systematic investigation of their electronic and geometric properties using density functional theory and semi-empirical methods. Synthetic Metals, 2018, 246, 128-136.	3.9	11
24	Catalytic performance of La-Ni/Al2O3 catalyst for CO2 reforming of ethanol. Catalysis Today, 2017, 291, 67-75.	4.4	51
25	pH-Sensitive amphiphilic block-copolymers for transport and controlled release of oxygen. Polymer Chemistry, 2017, 8, 4322-4326.	3.9	8
26	Promotional Effect of Ce-dopant on Al2O3-supported Co Catalysts for Syngas Production via CO2 Reforming of Ethanol. Procedia Engineering, 2016, 148, 646-653.	1.2	41
27	Hollow Nanospheres with Fluorous Interiors for Transport of Molecular Oxygen in Water. ChemistrySelect, 2016, 1, 3306-3309.	1.5	0
28	Influence of Lanthanide Promoters on Ni/SBA-15 Catalysts for Syngas Production by Methane Dry Reforming. Procedia Engineering, 2016, 148, 1388-1395.	1.2	51
29	cis-Cyclooctene epoxidation catalyzed by bulk metallophthalocyanines, metallohexadecafluorophthalocyanines and hollow silica-supported metallohexadecafluorophthalocyanine. Journal of Industrial and Engineering Chemistry, 2016, 40, 40-46.	5.8	7
30	Ring opening metathesis polymerization of cyclopentene using a ruthenium catalyst confined by a branched polymer architecture. Polymer Chemistry, 2016, 7, 2923-2928.	3.9	12
31	Nanocapsules with fluorous filling: A â€œmolecular zipperâ€•approach. Journal of Polymer Science Part A, 2015, 53, 215-218.	2.3	1
32	Surface-Bound Ligands Modulate Chemoselectivity and Activity of a Bimetallic Nanoparticle Catalyst. ACS Catalysis, 2015, 5, 2529-2533.	11.2	79
33	Palladium N-Heterocyclic Carbene Precatalyst Site Isolated in the Core of a Star Polymer. Organic Letters, 2015, 17, 4826-4829.	4.6	23
34	One-Pot Synthesis of Au@SiO₂ Catalysts: A Click Chemistry Approach. ACS Combinatorial Science, 2014, 16, 513-517.	3.8	16
35	Clean and effective catalytic reduction of graphene oxide using atomic hydrogen spillover on Pt/Î³-Al2O3 catalyst. Materials Letters, 2012, 86, 161-164.	2.6	17
36	The roles of CeyZr1âˆ'yO2 in propane dehydrogenation: Enhancing catalytic stability and decreasing coke combustion temperature. Applied Catalysis A: General, 2012, 443-444, 59-66.	4.3	17

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37	The Effect of Tinâ€“Support Interaction on Catalytic Stability over Ptâ€“Sn/xAlâ€“SBA-15 Catalysts for Propane Dehydrogenation. Catalysis Letters, 2012, 142, 838-844.	2.6	6
38	Influence of Oxygen Mobility over Supported Pt Catalysts on Combustion Temperature of Coke Generated in Propane Dehydrogenation. Catalysis Letters, 2011, 141, 699-704.	2.6	17
39	Location and structure of coke generated over Ptâ€“Sn/Al2O3 in propane dehydrogenation. Journal of Industrial and Engineering Chemistry, 2011, 17, 71-76.	5.8	71
40	Electronic density enrichment of Pt catalysts by coke in the propane dehydrogenation. Korean Journal of Chemical Engineering, 2011, 28, 383-387.	2.7	15
41	Propane dehydrogenation over Ptâ€“Sn/Rare-earth-doped Al2O3: Influence of La, Ce, or Y on the formation and stability of Ptâ€“Sn alloys. Catalysis Today, 2011, 164, 214-220.	4.4	66
42	Ptâ€“Sn alloy phases and coke mobility over Ptâ€“Sn/Al2O3 and Ptâ€“Sn/ZnAl2O4 catalysts for propane dehydrogenation. Applied Catalysis A: General, 2011, 400, 25-33.	4.3	112
43	Removal of the antibiotic tetracycline by Fe-impregnated SBA-15. Korean Journal of Chemical Engineering, 2010, 27, 116-120.	2.7	33
44	Adsorption of tetracycline on Laâ€impregnated MCMâ€41 materials. Environmental Technology (United) Tj ETQq0 0 0 rgBT /Overlock 1	2.2	33
45	Oxidation of Coke Formed Over Pt-Al2O3 and Pt-SBA-15 in Propane Dehydrogenation. Catalysis Letters, 2009, 133, 376-381.	2.6	19