Farhad Khorasheh

List of Publications by Year
in descending order

66	1,496	257450 24	345221 36
papers	citations	h-index	g-index

66	66	66	1747
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of SAPO-34's composition on its physico-chemical properties and deactivation in MTO process. Applied Catalysis A: General, 2009, 364, 48-56.	4.3	137
2	High-pressure thermal cracking of n-hexadecane. Industrial & Engineering Chemistry Research, 1993, 32, 1853-1863.	3.7	76
3	Application of multi-criterion robust optimization in water-flooding of oil reservoir. Journal of Petroleum Science and Engineering, 2013, 109, 1-11.	4.2	63
4	Pt nanoparticles decorated Bi-doped TiO2 as an efficient photocatalyst for CO2 photo-reduction into CH4. Solar Energy, 2020, 211, 100-110.	6.1	58
5	Biodiesel production via transesterification of canola oil in the presence of Naâ€“K doped CaO derived from calcined eggshell. Renewable Energy, 2021, 163, 1626-1636.	8.9	58
6	Morphological investigations of nanostructured V₂O₅ over graphene used for the ODHP reaction: from synthesis to physiochemical evaluations. Catalysis Science and Technology, 2015, 5, 910-924.	4.1	54
7	Kinetic modeling of oxidative dehydrogenation of propane (ODHP) over a vanadiumâ€“graphene catalyst: Application of the DOE and ANN methodologies. Journal of Industrial and Engineering Chemistry, 2014, 20, 2236-2247.	5.8	50
8	Renewable hydrogen production by ethylene glycol steam reforming over Al2O3 supported Ni-Pt bimetallic nano-catalysts. Renewable Energy, 2018, 128, 188-199.	8.9	45
9	Supported copper and cobalt oxides on activated carbon for simultaneous oxidation of toluene and cyclohexane in air. RSC Advances, 2015, 5, 5107-5122.	3.6	44
10	Vanadium Pentoxide Catalyst over Carbon-Based Nanomaterials for the Oxidative Dehydrogenation of Propane. Industrial & Engineering Chemistry Research, 2013, 52, 16128-16141.	3.7	42
11	Transesterification of canola oil and methanol by lithium impregnated CaOâ€“La 2 O 3 mixed oxide for biodiesel synthesis. Journal of Industrial and Engineering Chemistry, 2017, 47, 399-404.	5.8	40
12	Comparative process modeling and techno-economic evaluation of renewable hydrogen production by glycerol reforming in aqueous and gaseous phases. Energy Conversion and Management, 2020, 225, 113483.	9.2	37
13	Kinetic modeling of propane dehydrogenation over an industrial catalyst in the presence of oxygenated compounds. Reaction Kinetics, Mechanisms and Catalysis, 2012, 107, 141-155.	1.7	36
14	High-pressure thermal cracking of n-hexadecane in aromatic solvents. Industrial & Engineering Chemistry Research, 1993, 32, 1864-1876.	3.7	35
15	Neural network modeling the effect of oxygenate additives on the performance of Ptâ€“Sn/Î³-Al2O3 catalyst in propane dehydrogenation. Applied Petrochemical Research, 2013, 3, 47-54.	1.3	34
16	Modeling-based optimization of a fixed-bed industrial reactor for oxidative dehydrogenation of propane. Chinese Journal of Chemical Engineering, 2016, 24, 612-622.	3.5	34
17	Carbonaceous supports decorated with Ptâ€“TiO2 nanoparticles using electrostatic self-assembly method as a highly visible-light active photocatalyst for CO2 photoreduction. Renewable Energy, 2020, 145, 1862-1869.	8.9	32
18	High-pressure thermal cracking of n-hexadecane in Tetralin. Energy & Fuels, 1993, 7, 960-967.	5.1	29

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19	Role of catalyst in hydrocracking of residues from Alberta bitumens. Energy & Fuels, 1992, 6, 478-485.	5.1	28
20	Aqueous phase reforming of glycerol using highly active and stable Pt0.05CexZr0.95-xO2 ternary solid solution catalysts. Applied Catalysis A: General, 2016, 523, 230-240.	4.3	28
21	A new approach to estimate parameters of a lumped kinetic model for hydroconversion of heavy residue. Fuel, 2014, 134, 343-353.	6.4	27
22	Oxidation of toluene in humid air by metal oxides supported on Î³-alumina. Journal of Hazardous Materials, 2017, 333, 293-307.	12.4	27
23	Interactions between thermal and catalytic reactions in mild hydrocracking of gas oil. Energy & Fuels, 1989, 3, 716-722.	5.1	25
24	Effects of nano graphene oxide as support on the product properties and performance of Zieglerâ€“Natta catalyst in production of UHMWPE. Polymers for Advanced Technologies, 2015, 26, 315-321.	3.2	24
25	Highly selective doped PtMgO nano-sheets for renewable hydrogen production from APR of glycerol. International Journal of Hydrogen Energy, 2016, 41, 17390-17398.	7.1	24
26	Renewable hydrogen production over Pt/Alâ„Oâ„*f* nano-catalysts: Effect of M-promoting (M=Pd, Rh, Re, Ru,) Tj ETQq0 0 0 rgBT /Overloc	7.1	24
27	Correlation for kovÃ¡ts retention index of C9î—¸C26 mono-alkyl and polymethyl alkanes and alkenes. Journal of Chromatography A, 1989, 481, 1-16.	3.7	22
28	Computer generation of representative molecules for heavy hydrocarbon mixtures. Fuel, 1998, 77, 247-253.	6.4	22
29	Kinetic modeling of pyrolysis of scrap tires. Journal of Analytical and Applied Pyrolysis, 2009, 84, 157-164.	5.5	22
30	Preparation, characterization and kinetic behavior of supported copper oxide catalysts on almond shell-based activated carbon for oxidation of toluene in air. Journal of Porous Materials, 2015, 22, 101-118.	2.6	22
31	Removal of benzoic acid from industrial wastewater using metal organic frameworks: equilibrium, kinetic and thermodynamic study. Journal of Porous Materials, 2017, 24, 165-178.	2.6	20
32	Modeling of Pt-Sn/Î³-Al2O3 deactivation in propane dehydrogenation with oxygenated additives. Korean Journal of Chemical Engineering, 2013, 30, 55-61.	2.7	19
33	Simulation of activity loss of fixed bed catalytic reactor of MTO conversion using percolation theory. Chemical Engineering Science, 2011, 66, 6199-6208.	3.8	17
34	Effect of lanthanum doping on the lifetime of Co/Î³-Al2O3 catalysts in Fischer-Tropsch synthesis. Journal of the Taiwan Institute of Chemical Engineers, 2012, 43, 704-710.	5.3	16
35	Hydro-purification of crude terephthalic acid using palladium catalyst supported on multi-wall carbon nanotubes. Journal of Industrial and Engineering Chemistry, 2015, 28, 202-210.	5.8	15
36	Kinetic modelling of enzymatic biodiesel production from castor oil: Temperature dependence of the Ping Pong parameters. Canadian Journal of Chemical Engineering, 2016, 94, 512-517.	1.7	15

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37	Improvement of the Thermal Cracking Product Quality of Heavy Vacuum Residue Using Solvent Deasphalting Pretreatment. Energy & Fuels, 2016, 30, 10322-10329.	5.1	15
38	Studies on the catalyst preparation methods and kinetic behavior of supported cobalt catalysts forÂthe complete oxidation of cyclohexane. Reaction Kinetics, Mechanisms and Catalysis, 2015, 114, 611-628.	1.7	14
39	Effect of Ni ratio on mesoporous Ni/MgO nanocatalyst synthesized by one-step hydrothermal method for thermal catalytic decomposition of CH4 to H2. International Journal of Hydrogen Energy, 2022, 47, 11539-11551.	7.1	14
40	Thermal Degradation Behavior and Kinetic Analysis of Ultra High Molecular Weight Polyethylene Based Multi-Walled Carbon Nanotube Nanocomposites Prepared Viain-situPolymerization. Journal of Macromolecular Science - Pure and Applied Chemistry, 2012, 49, 749-757.	2.2	12
41	Effect of Operating Conditions and Additives on the Product Yield and Sulfur Content in Thermal Cracking of a Vacuum Residue from the Abadan Refinery. Energy & Fuels, 2015, 29, 5452-5457.	5.1	12
42	Synthesis of Highly Dispersed Nanosized NiO/MgO-Al₂O₃ Catalyst for the Production of Synthetic Natural Gas with Enhanced Activity and Resistance to Coke Formation. Industrial & Engineering Chemistry Research, 2018, 57, 12700-12714.	3.7	12
43	A new insight to deformability correlation of circulating tumor cells with metastatic behavior by application of a new deformability-based microfluidic chip. Analytica Chimica Acta, 2021, 1186, 339115.	5.4	12
44	Molecular Simulation Study of the Adsorption and Diffusion Properties of Terephthalic Acid in Various Metal Organic Frameworks. Journal of Inorganic and Organometallic Polymers and Materials, 2020, 30, 1643-1652.	3.7	11
45	Equilibrium modeling of xylene adsorption on molecular sieves. Fluid Phase Equilibria, 2010, 298, 54-59.	2.5	9
46	Hydrogenation of crude terephthalic acid by supported Pd and Pdâ€“Sn catalysts on functionalized multiwall carbon nanotubes. Chemical Engineering Research and Design, 2016, 109, 41-52.	5.6	9
47	Non-isothermal pyrolysis of used lubricating oil and the catalytic effect of carbon-based nanomaterials on the process performance. Journal of Thermal Analysis and Calorimetry, 2020, 139, 1025-1036.	3.6	9
48	Cobalt supported on CNTs-covered Î³- and nano-structured alumina catalysts utilized for wax selective Fischer-Tropsch synthesis. Journal of Natural Gas Chemistry, 2012, 21, 713-721.	1.8	8
49	Investigating the effect of calcination repetitions on the lifetime of CoÎ³-Al2O3 catalysts in Fischerâ€“Tropsch synthesis utilising the precursor's solution affinities. Journal of the Taiwan Institute of Chemical Engineers, 2013, 44, 205-213.	5.3	8
50	Mechanism Discrimination in Heterogeneous Catalytic Reactions:Â Fractal Analysis. Industrial & Engineering Chemistry Research, 1998, 37, 362-366.	3.7	6
51	Dependency of gastrointestinal toxicity on release rate of tiaprofenic acid: a novel pharmacokinetic-pharmacodynamic model. Pharmaceutical Research, 1999, 16, 123-129.	3.5	6
52	Effect of heating profile on desorption curve in temperature programmed desorption analysis: case study of acid sites distribution of SAPO-34. Journal of Porous Materials, 2009, 16, 599-603.	2.6	6
53	Preparation and study of bi-supported Ziegler-Natta catalyst with nano graphene oxide and magnesium ethoxide supports for polymerization of polyethylene. Polymer Science - Series B, 2016, 58, 271-277.	0.8	5
54	Removal of terephthalic acid from aqueous solution using metal-organic frameworks; A molecular simulation study. Journal of Solid State Chemistry, 2020, 282, 121059.	2.9	5

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55	Unraveling Cancer Metastatic Cascade Using Microfluidics-based Technologies. Biophysical Reviews, 2022, 14, 517-543.	3.2	5
56	Desulfurization of high sulfur petroleum coke by molten caustic leaching. Egyptian Journal of Petroleum, 2019, 28, 225-231.	2.6	4
57	Nanomaterial-assisted pyrolysis of used lubricating oil and fuel recovery. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-15.	2.3	4
58	A Monte Carlo simulation of nutrient diffusion and reaction in immobilized cell systems. Chemical Physics, 2006, 321, 34-40.	1.9	2
59	A catalyzed method to remove polychlorinated biphenyls from contaminated transformer oil. Environmental Science and Pollution Research, 2022, 29, 13253-13267.	5.3	2
60	Novel heterojunction magnetic composite MIL-53 (Fe)/ZnFe2O4: Synthesis and photocatalytic pollutant degradation. Korean Journal of Chemical Engineering, 2022, 39, 2713-2724.	2.7	2
61	Thermal Hydrocracking of n-Hexadecane in Benzene. Energy & Fuels, 1994, 8, 507-512.	5.1	1
62	Prediction of Henry's constant in polymer solutions using PCOR equation of state coupled with an activity coefficient model. Chinese Journal of Chemical Engineering, 2015, 23, 528-535.	3.5	1
63	Simulation of Methanol Carbonylation Reactor in Acetic Acid Production Plant: Selection of an Appropriate Correlation for Mass Transfer Coefficients. International Journal of Chemical Reactor Engineering, 2019, 17, .	1.1	1
64	Correlation of reactivity with chemical structure: Thermal hydrogenation of gas oils. Canadian Journal of Chemical Engineering, 1989, 67, 628-634.	1.7	0
65	Methods for prediction of KovÃ¡ts retention indices of hydrocarbons. Journal of Separation Science, 1989, 1, 174-181.	1.0	0
66	Kinetic Modeling of Thermal Hydrocracking of a Paraffinic Feedstock. Energy & Fuels, 2016, 30, 3374-3384.	5.1	0