Alireza Saraeian

List of Publications by Year
in descending order

18	471	759233 12	839539 18
papers	citations	h-index	g-index

18	18	18	650
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The role of catalyst acidity and shape selectivity on products from the catalytic fast pyrolysis of beech wood. Journal of Analytical and Applied Pyrolysis, 2022, 162, 104710.	5.5	16
2	Hydrogenation/Hydrodeoxygenation Selectivity Modulation by Cometal Addition to Palladium on Carbon-Coated Supports. ACS Sustainable Chemistry and Engineering, 2022, 10, 7759-7771.	6.7	4
3	Catalyst Property Effects on Product Distribution during the Hydrodeoxygenation of Lignin Pyrolysis Vapors over MoO₃/Î³-Al₂O₃. ACS Sustainable Chemistry and Engineering, 2021, 9, 6685-6696.	6.7	24
4	Performance of mesoporous HZSM-5 and Silicalite-1 coated mesoporous HZSM-5 catalysts for deoxygenation of straw fast pyrolysis vapors. Journal of Analytical and Applied Pyrolysis, 2020, 145, 104712.	5.5	19
5	Micro-pyrolyzer screening of hydrodeoxygenation catalysts for efficient conversion of straw-derived pyrolysis vapors. Journal of Analytical and Applied Pyrolysis, 2020, 150, 104868.	5.5	13
6	Performance-screening of metal-impregnated industrial HZSM-5/Î³-Al2O3 extrudates for deoxygenation and hydrodeoxygenation of fast pyrolysis vapors. Journal of Analytical and Applied Pyrolysis, 2020, 150, 104892.	5.5	18
7	Counteracting Rapid Catalyst Deactivation by Concomitant Temperature Increase during Catalytic Upgrading of Biomass Pyrolysis Vapors Using Solid Acid Catalysts. Catalysts, 2020, 10, 748.	3.5	8
8	Insights into the scalability of catalytic upgrading of biomass pyrolysis vapors using micro and bench-scale reactors. Sustainable Energy and Fuels, 2020, 4, 3780-3796.	4.9	11
9	Evaluating lignin valorization via pyrolysis and vapor-phase hydrodeoxygenation for production of aromatics and alkenes. Green Chemistry, 2020, 22, 2513-2525.	9.0	25
10	Enhancing bio-oil quality and energy recovery by atmospheric hydrodeoxygenation of wheat straw pyrolysis vapors using Pt and Mo-based catalysts. Sustainable Energy and Fuels, 2020, 4, 1991-2008.	4.9	35
11	Deoxygenation of wheat straw fast pyrolysis vapors over Na-Al2O3 catalyst for production of bio-oil with low acidity. Chemical Engineering Journal, 2020, 394, 124878.	12.7	31
12	Deoxygenation of biomass pyrolysis vapors: Improving clarity on the fate of carbon. Renewable and Sustainable Energy Reviews, 2019, 104, 262-280.	16.4	74
13	Biodiesel Purification and Upgrading Technologies. Biofuel and Biorefinery Technologies, 2019, , 57-100.	0.3	7
14	Cadmium removal from aqueous solution by low-cost native and surface modified Sorghum x drummondii (Sudangrass). Journal of Environmental Chemical Engineering, 2018, 6, 3322-3331.	6.7	29
15	Hydrodeoxygenation of cellulose pyrolysis model compounds using molybdenum oxide and low pressure hydrogen. Green Chemistry, 2017, 19, 3654-3664.	9.0	36
16	A comprehensive review on biodiesel purification and upgrading. Biofuel Research Journal, 2017, 4, 668-690.	13.3	86
17	A detailed study on adsorption isotherms of Hg(II) removal from aqueous solutions using nanostructured sorbent ZnCl2-MCM-41. Desalination and Water Treatment, 2016, 57, 18694-18709.	1.0	9
18	Removal of Pb(<scp>ii</scp>) from aqueous solution by mesoporous silica MCM-41 modified by ZnCl₂: kinetics, thermodynamics, and isotherms. RSC Advances, 2015, 5, 37066-37077.	3.6	26