

Alireza Saraeian

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

471
citations

759233

12
h-index

839539

18
g-index

18
all docs

18
docs citations

18
times ranked

650
citing authors

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