

Lujiang Xu

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,149
citations

471509

17
h-index

580821

25
g-index

25
all docs

25
docs citations

25
times ranked

1371
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Catalytic fast hydrolysis of seaweed biomass with different zeolite catalysts to produce high-grade bio-oil. <i>Chemical Engineering Research and Design</i> , 2021, 146, 69-76. | 5.6 | 18 |
| 2 | Different acid pretreatments at room temperature boost selective saccharification of lignocellulose via fast pyrolysis. <i>Cellulose</i> , 2021, 28, 81-90. | 4.9 | 12 |
| 3 | Production of aromatic amines via catalytic co-pyrolysis of lignin and phenol-formaldehyde resins with ammonia over commercial HZSM-5 zeolites. <i>Bioresource Technology</i> , 2021, 320, 124252. | 9.6 | 15 |
| 4 | Insight into the Mechanism of Glycerol Dehydration and Subsequent Pyridine Synthesis. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 3095-3103. | 6.7 | 23 |
| 5 | Catalytic co-pyrolysis of cellulose and waste polyoxymethylene to improve producing pyridines compounds over commercial HZSM-5 zeolites under ammonia atmosphere. <i>Journal of Analytical and Applied Pyrolysis</i> , 2021, 158, 105275. | 5.5 | 10 |
| 6 | Comprehensively utilization of spent bleaching clay for producing high quality bio-fuel via fast pyrolysis process. <i>Energy</i> , 2020, 190, 116371. | 8.8 | 20 |
| 7 | Recent Advances of Producing Biobased N-Containing Compounds via Thermo-Chemical Conversion with Ammonia Process. <i>Energy & Fuels</i> , 2020, 34, 10441-10458. | 5.1 | 35 |
| 8 | Co-pyrolysis and catalytic co-pyrolysis of <i>Enteromorpha clathrata</i> and rice husk. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 135, 2613-2623. | 3.6 | 33 |
| 9 | Selective Production of Terephthalonitrile and Benzonitrile via Pyrolysis of Polyethylene Terephthalate (PET) with Ammonia over Ca(OH) ₂ /Al ₂ O ₃ Catalysts. <i>Catalysts</i> , 2019, 9, 436. | 3.5 | 15 |
| 10 | Catalytic pyrolysis of waste clay oil to produce high quality biofuel. <i>Journal of Analytical and Applied Pyrolysis</i> , 2019, 141, 104633. | 5.5 | 31 |
| 11 | Catalytic fast pyrolysis of polyethylene terephthalate plastic for the selective production of terephthalonitrile under ammonia atmosphere. <i>Waste Management</i> , 2019, 92, 97-106. | 7.4 | 28 |
| 12 | A comparative study on the quality of bio-oil derived from green macroalga <i>Enteromorpha clathrata</i> over metal modified ZSM-5 catalysts. <i>Bioresource Technology</i> , 2018, 256, 446-455. | 9.6 | 49 |
| 13 | Catalytic conversion of 5-hydroxymethylfurfural to some value-added derivatives. <i>Green Chemistry</i> , 2018, 20, 3657-3682. | 9.0 | 233 |
| 14 | Selective production of pyrroles via catalytic fast pyrolysis of cellulose under ammonia atmosphere at low temperature. <i>Journal of Analytical and Applied Pyrolysis</i> , 2017, 124, 409-414. | 5.5 | 31 |
| 15 | Integrated Production of Aromatic Amines and N-Doped Carbon from Lignin via <i>ex Situ</i> Catalytic Fast Pyrolysis in the Presence of Ammonia over Zeolites. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 2960-2969. | 6.7 | 71 |
| 16 | Advances in Upgrading Lignin Pyrolysis Vapors by <i>Ex Situ</i> Catalytic Fast Pyrolysis. <i>Energy Technology</i> , 2017, 5, 30-51. | 3.8 | 29 |
| 17 | Selective Hydrodeoxygenation of Lignin-Derived Phenols to Cyclohexanols or Cyclohexanes over Magnetic CoN _x @NC Catalysts under Mild Conditions. <i>ACS Catalysis</i> , 2016, 6, 7611-7620. | 11.2 | 181 |
| 18 | Enhancement of indoles production and catalyst stability in thermo-catalytic conversion and ammonization of furfural with NH ₃ and N ₂ environments. <i>Journal of Analytical and Applied Pyrolysis</i> , 2016, 121, 258-266. | 5.5 | 16 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Producing pyridines via thermo-catalytic conversion and ammonization of glycerol over nano-sized HZSM-5. RSC Advances, 2016, 6, 86034-86042. | 3.6 | 17 |
| 20 | In situ synthesis of molybdenum oxide@N-doped carbon from biomass for selective vapor phase hydrodeoxygenation of lignin-derived phenols under H ₂ atmosphere. RSC Advances, 2016, 6, 108217-108228. | 3.6 | 15 |
| 21 | Producing Pyridines via Thermocatalytic Conversion and Ammonization of Waste Polylactic Acid over Zeolites. ACS Sustainable Chemistry and Engineering, 2016, 4, 1115-1122. | 6.7 | 24 |
| 22 | Production of indoles via thermo-catalytic conversion and ammonization of bio-derived furfural. Chemical Engineering Journal, 2015, 280, 74-81. | 12.7 | 41 |
| 23 | Towards the sustainable production of pyridines via thermo-catalytic conversion of glycerol with ammonia over zeolite catalysts. Green Chemistry, 2015, 17, 2426-2435. | 9.0 | 52 |
| 24 | Renewable N-Heterocycles Production by Thermocatalytic Conversion and Ammonization of Biomass over ZSM-5. ACS Sustainable Chemistry and Engineering, 2015, 3, 2890-2899. | 6.7 | 102 |
| 25 | Direct production of indoles via thermo-catalytic conversion of bio-derived furans with ammonia over zeolites. Green Chemistry, 2015, 17, 1281-1290. | 9.0 | 48 |