

Enxian Yuan

List of Publications by Year in descending order

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24
papers

424
citations

759233

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| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Synergistic effects of second metals on performance of (Co, Ag, Cu)-doped Pd/Al ₂ O ₃ catalysts for 2-ethyl-anthraquinone hydrogenation. <i>Journal of Catalysis</i> , 2017, 347, 79-88. | 6.2 | 51 |
| 2 | Promotion on light olefins production through modulating the reaction pathways for n-pentane catalytic cracking over ZSM-5 based catalysts. <i>Applied Catalysis A: General</i> , 2017, 543, 51-60. | 4.3 | 45 |
| 3 | SO ₄ ²⁻ /TiO ₂ promotion on HZSM-5 for catalytic cracking of paraffin. <i>Applied Catalysis A: General</i> , 2017, 537, 12-23. | 4.3 | 34 |
| 4 | Effects of SBA-15 physicochemical properties on performance of Pd/SBA-15 catalysts in 2-ethyl-anthraquinone hydrogenation. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 66, 158-167. | 5.8 | 34 |
| 5 | One-pot synthesis of Pd nanoparticles on ordered mesoporous Al ₂ O ₃ for catalytic hydrogenation of 2-ethyl-anthraquinone. <i>Applied Catalysis A: General</i> , 2016, 525, 119-127. | 4.3 | 32 |
| 6 | NiCo ₂ O ₄ nanoneedle-assembled hierarchical microflowers for highly selective oxidation of styrene. <i>Catalysis Communications</i> , 2018, 109, 71-75. | 3.3 | 32 |
| 7 | Synergic catalysis by a CuO-like phase and Cu ₀ for anaerobic dehydrogenation of 2,3-butanediol. <i>Journal of Catalysis</i> , 2020, 382, 256-268. | 6.2 | 23 |
| 8 | Aerobic oxidation of cyclohexane over metal-organic framework-derived Ce, Ni-modified Co ₃ O ₄ . <i>Korean Journal of Chemical Engineering</i> , 2020, 37, 1137-1148. | 2.7 | 22 |
| 9 | Covalent anchoring of N-hydroxyphthalimide on silica via robust imide bonds as a reusable catalyst for the selective aerobic oxidation of ethylbenzene to acetophenone. <i>New Journal of Chemistry</i> , 2021, 45, 13441-13450. | 2.8 | 21 |
| 10 | Boosting Creation of Oxygen Vacancies in Co-Co ₃ O ₄ Homogeneous Hybrids for Aerobic Oxidation of Cyclohexane. <i>Catalysis Letters</i> , 2022, 152, 282-298. | 2.6 | 19 |
| 11 | Highly Efficient Dehydrogenation of 2,3-Butanediol Induced by Metal-Support Interface over Cu-SiO ₂ Catalysts. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 15716-15731. | 6.7 | 18 |
| 12 | A comparison of the catalytic hydrogenation of 2-amylanthraquinone and 2-ethylanthraquinone over a Pd/Al ₂ O ₃ catalyst. <i>Frontiers of Chemical Science and Engineering</i> , 2017, 11, 177-184. | 4.4 | 16 |
| 13 | Role of normal/cyclo-alkane in hydrocarbons pyrolysis process and product distribution. <i>Journal of Analytical and Applied Pyrolysis</i> , 2021, 156, 105130. | 5.5 | 12 |
| 14 | Density functional theory study of selective aerobic oxidation of cyclohexane: the roles of acetic acid and cobalt ion. <i>Journal of Molecular Modeling</i> , 2019, 25, 71. | 1.8 | 11 |
| 15 | Density Functional Theory Analysis of Anthraquinone Derivative Hydrogenation over Palladium Catalyst. <i>ChemPhysChem</i> , 2016, 17, 3974-3984. | 2.1 | 9 |
| 16 | Effects of porous oxide layer on performance of Pd-based monolithic catalysts for 2-ethylanthraquinone hydrogenation. <i>Chinese Journal of Chemical Engineering</i> , 2016, 24, 1570-1576. | 3.5 | 6 |
| 17 | Hydrogenation of Alkylanthraquinone Over Pore-Expanded and Channel-Shortened Pd/SBA-15. <i>Transactions of Tianjin University</i> , 2019, 25, 595-602. | 6.4 | 6 |
| 18 | Analysis of n-hexane, 1-hexene, cyclohexane and cyclohexene catalytic cracking over HZSM-5 zeolites: effects of molecular structure. <i>Reaction Chemistry and Engineering</i> , 2022, 7, 1762-1778. | 3.7 | 6 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Experiment and modeling of coke formation and catalyst deactivation in n-heptane catalytic cracking over HZSM-5 zeolites. Chinese Journal of Chemical Engineering, 2023, 55, 165-172. | 3.5 | 6 |
| 20 | Empirical modeling of normal/cyclo-alkanes pyrolysis to produce light olefins. Chinese Journal of Chemical Engineering, 2022, 42, 389-398. | 3.5 | 5 |
| 21 | Improving light absorption and photoelectrochemical performance of thin-film photoelectrode with a reflective substrate. RSC Advances, 2021, 11, 16600-16607. | 3.6 | 5 |
| 22 | Universality analysis of the reaction pathway and product distribution in C5-C10 n-alkanes pyrolysis. Journal of Analytical and Applied Pyrolysis, 2022, 162, 105451. | 5.5 | 5 |
| 23 | Roles of ethanol in coke formation and HZSM-5 deactivation during <i>n</i> -heptane catalytic cracking. New Journal of Chemistry, 2022, 46, 3916-3924. | 2.8 | 4 |
| 24 | Microbehavior mechanism of water mediator on palladium in catalytic hydrogenation of aromatic carbonyl: Enhancement of hydrogen shuttling and modification of electronic structure. Molecular Catalysis, 2021, 514, 111872. | 2.0 | 2 |