

Enxian Yuan

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

424
citations

759233

12
h-index

752698

20
g-index

24
all docs

24
docs citations

24
times ranked

318
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Boosting Creation of Oxygen Vacancies in Co-Co ₃ O ₄ Homogeneous Hybrids for Aerobic Oxidation of Cyclohexane. Catalysis Letters, 2022, 152, 282-298.	2.6	19
3	Empirical modeling of normal/cyclo-alkanes pyrolysis to produce light olefins. Chinese Journal of Chemical Engineering, 2022, 42, 389-398.	3.5	5
4	Roles of ethanol in coke formation and HZSM-5 deactivation during n-heptane catalytic cracking. New Journal of Chemistry, 2022, 46, 3916-3924.	2.8	4
5	Universality analysis of the reaction pathway and product distribution in C ₅ -C ₁₀ n-alkanes pyrolysis. Journal of Analytical and Applied Pyrolysis, 2022, 162, 105451.	5.5	5
6	Analysis of n-hexane, 1-hexene, cyclohexane and cyclohexene catalytic cracking over HZSM-5 zeolites: effects of molecular structure. Reaction Chemistry and Engineering, 2022, 7, 1762-1778.	3.7	6
7	Covalent anchoring of N-hydroxyphthalimide on silica via robust imide bonds as a reusable catalyst for the selective aerobic oxidation of ethylbenzene to acetophenone. New Journal of Chemistry, 2021, 45, 13441-13450.	2.8	21
8	Role of normal/cyclo-alkane in hydrocarbons pyrolysis process and product distribution. Journal of Analytical and Applied Pyrolysis, 2021, 156, 105130.	5.5	12
9	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
10	Improving light absorption and photoelectrochemical performance of thin-film photoelectrode with a reflective substrate. RSC Advances, 2021, 11, 16600-16607.	3.6	5
11	Synergic catalysis by a CuO-like phase and Cu ₀ for anaerobic dehydrogenation of 2,3-butanediol. Journal of Catalysis, 2020, 382, 256-268.	6.2	23
12	Highly Efficient Dehydrogenation of 2,3-Butanediol Induced by Metal-Support Interface over Cu-SiO ₂ Catalysts. ACS Sustainable Chemistry and Engineering, 2020, 8, 15716-15731.	6.7	18
13	Aerobic oxidation of cyclohexane over metal-organic framework-derived Ce, Ni-modified Co ₃ O ₄ . Korean Journal of Chemical Engineering, 2020, 37, 1137-1148.	2.7	22
14	Hydrogenation of Alkylanthraquinone Over Pore-Expanded and Channel-Shortened Pd/SBA-15. Transactions of Tianjin University, 2019, 25, 595-602.	6.4	6
15	Density functional theory study of selective aerobic oxidation of cyclohexane: the roles of acetic acid and cobalt ion. Journal of Molecular Modeling, 2019, 25, 71.	1.8	11
16	NiCo ₂ O ₄ nanoneedle-assembled hierarchical microflowers for highly selective oxidation of styrene. Catalysis Communications, 2018, 109, 71-75.	3.3	32
17	Effects of SBA-15 physicochemical properties on performance of Pd/SBA-15 catalysts in 2-ethyl-anthraquinone hydrogenation. Journal of Industrial and Engineering Chemistry, 2018, 66, 158-167.	5.8	34
18	A comparison of the catalytic hydrogenation of 2-amylanthraquinone and 2-ethylanthraquinone over a Pd/Al ₂ O ₃ catalyst. Frontiers of Chemical Science and Engineering, 2017, 11, 177-184.	4.4	16

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19	SO ₄ ²⁻ /TiO ₂ promotion on HZSM-5 for catalytic cracking of paraffin. Applied Catalysis A: General, 2017, 537, 12-23.	4.3	34
20	Synergistic effects of second metals on performance of (Co, Ag, Cu)-doped Pd/Al ₂ O ₃ catalysts for 2-ethyl-anthraquinone hydrogenation. Journal of Catalysis, 2017, 347, 79-88.	6.2	51
21	Promotion on light olefins production through modulating the reaction pathways for n-pentane catalytic cracking over ZSM-5 based catalysts. Applied Catalysis A: General, 2017, 543, 51-60.	4.3	45
22	Density Functional Theory Analysis of Anthraquinone Derivative Hydrogenation over Palladium Catalyst. ChemPhysChem, 2016, 17, 3974-3984.	2.1	9
23	One-pot synthesis of Pd nanoparticles on ordered mesoporous Al ₂ O ₃ for catalytic hydrogenation of 2-ethyl-anthraquinone. Applied Catalysis A: General, 2016, 525, 119-127.	4.3	32
24	Effects of porous oxide layer on performance of Pd-based monolithic catalysts for 2-ethylanthraquinone hydrogenation. Chinese Journal of Chemical Engineering, 2016, 24, 1570-1576.	3.5	6