

Peter P Edwards

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

472
citations

1040056

9
h-index

888059

17
g-index

18
all docs

18
docs citations

18
times ranked

650
citing authors

#	ARTICLE	IF	CITATIONS
1	Transforming carbon dioxide into jet fuel using an organic combustion-synthesized Fe-Mn-K catalyst. <i>Nature Communications</i> , 2020, 11, 6395.	12.8	161
2	Photo-catalytic conversion of oxygenated hydrocarbons to hydrogen over heteroatom-doped TiO ₂ catalysts. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 125-129.	7.1	93
3	Rapid Production of High-Purity Hydrogen Fuel through Microwave-Promoted Deep Catalytic Dehydrogenation of Liquid Alkanes with Abundant Metals. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 10170-10173.	13.8	42
4	Methanol-to-hydrocarbons conversion over MoO ₃ /H-ZSM-5 catalysts prepared via lower temperature calcination: a route to tailor the distribution and evolution of promoter Mo species, and their corresponding catalytic properties. <i>Chemical Science</i> , 2015, 6, 5152-5163.	7.4	41
5	Thermodynamic study of hydrocarbon synthesis from carbon dioxide and hydrogen. , 2017, 7, 942-957.		29
6	Citric acid-assisted synthesis of γ -alumina-supported high loading CoMo sulfide catalysts for the hydrosulfurization (HDS) and hydrodenitrogenation (HDN) reactions. <i>Applied Petrochemical Research</i> , 2015, 5, 181-197.	1.3	21
7	Glycerol hydrogenolysis over a Pt-Ni bimetallic catalyst with hydrogen generated in situ. <i>RSC Advances</i> , 2017, 7, 38251-38256.	3.6	13
8	MnO _x -Promoted, Coking-Resistant Nickel-Based Catalysts for Microwave-Initiated CO ₂ Utilization. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 6914-6923.	3.7	13
9	High alcohol synthesis (HAS) from syngas over supported molybdenum carbide catalysts. <i>Applied Petrochemical Research</i> , 2013, 3, 71-77.	1.3	11
10	H ₂ -rich gas production from leaves. <i>Catalysis Today</i> , 2018, 317, 43-49.	4.4	10
11	Hydrogen bonds between methanol and the light liquid olefins 1-pentene and 1-hexene: from application to fundamental science. <i>Chemical Communications</i> , 2017, 53, 4026-4029.	4.1	8
12	One-Pot Synthesis of Ca Oxide-Promoted Cr Catalysts for the Dehydrogenation of Propane Using CO ₂ . <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 12645-12656.	3.7	7
13	Thermodynamic analysis of synthesis of cyclopentanol from cyclopentene and comparison with experimental data. <i>Applied Petrochemical Research</i> , 2015, 5, 135-142.	1.3	5
14	The decarbonization of coal tar via microwave-initiated catalytic deep dehydrogenation. <i>Fuel</i> , 2020, 268, 117332.	6.4	5
15	Sustainable chemical processing of flowing wastewater through microwave energy. <i>Chemosphere</i> , 2022, 287, 132035.	8.2	5
16	TPO/TPD study on the activation of silica supported cobalt catalyst. <i>Applied Petrochemical Research</i> , 2013, 3, 25-34.	1.3	3
17	Rapid Production of High-Purity Hydrogen Fuel through Microwave-Promoted Deep Catalytic Dehydrogenation of Liquid Alkanes with Abundant Metals. <i>Angewandte Chemie</i> , 2017, 129, 10304-10307.	2.0	3
18	A research into the thermodynamics of methanol to hydrocarbon (MTH): conflictions between simulated product distribution and experimental results. <i>Applied Petrochemical Research</i> , 2017, 7, 55-66.	1.3	2