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List of Publications by Year in descending order

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12
papers

626
citations

840776

11
h-index

1199594

12
g-index

12
all docs

12
docs citations

12
times ranked

938
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of plasma-assisted catalytic conversion of gaseous carbon dioxide and methane into value-added platform chemicals and fuels. RSC Advances, 2018, 8, 27481-27508.	3.6	153
2	Engineering photocatalytic and photoelectrocatalytic CO ₂ reduction reactions: Mechanisms, intrinsic kinetics, mass transfer resistances, reactors and multi-scale modelling simulations. Chemical Engineering Journal, 2021, 407, 126799.	12.7	107
3	Unravelling the mechanisms of CO ₂ hydrogenation to methanol on Cu-based catalysts using first-principles multiscale modelling and experiments. Catalysis Science and Technology, 2017, 7, 5900-5913.	4.1	85
4	Effect of Copper-based Catalyst Support on Reverse Water-Gas Shift Reaction (RWGS) Activity for CO ₂ Reduction. Chemical Engineering and Technology, 2017, 40, 973-980.	1.5	67
5	Nighttime Aqueous-Phase Formation of Nitrocatechols in the Atmospheric Condensed Phase. Environmental Science & Technology, 2018, 52, 9722-9730.	10.0	57
6	Methane Dry Reforming over Ni/Al ₂ O ₃ Catalyst in Spark Plasma Reactor: Linking Computational Fluid Dynamics (CFD) with Reaction Kinetic Modelling. Catalysis Today, 2021, 362, 11-21.	4.4	38
7	Chitin isolation from crustacean waste using a hybrid demineralization/DBD plasma process. Carbohydrate Polymers, 2020, 246, 116648.	10.2	37
8	Structured titanium oxynitride (TiO _x N _{1-x}) nanotube arrays for a continuous electrocatalytic phenol-degradation process: Synthesis, characterization, mechanisms and the chemical reaction micro-kinetics. Applied Catalysis B: Environmental, 2019, 257, 117894.	20.2	29
9	First-Principles-Based Multiscale Modelling of Nonoxidative Butane Dehydrogenation on Cr ₂ O ₃ (0001). ACS Catalysis, 2020, 10, 14732-14746.	11.2	16
10	Surface structure-based CO ₂ reduction reaction modelling over supported copper catalysts. Journal of CO ₂ Utilization, 2020, 41, 101234.	6.8	15
11	A Review of Methane Activation Reactions by Halogenation: Catalysis, Mechanism, Kinetics, Modeling, and Reactors. Processes, 2020, 8, 443.	2.8	14
12	Plasma-activated methane partial oxidation reaction to oxygenate platform chemicals over Fe, Mo, Pd and zeolite catalysts. International Journal of Energy Research, 2019, 43, 8085.	4.5	8