

CITATION REPORT

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Catalyst design for enhanced sustainability through fundamental surface chemistry

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#	Paper	IF	Citations
15	Summarizing comments on the discussion and a prospectus for urgent future action. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2016 , 374,	3	3
14	Development of the ReaxFF Reactive Force-Field Description of Gold Oxides. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 25255-25270	3.8	0
13	New Architectures for Designed Catalysts: Selective Oxidation using AgAu Nanoparticles on Colloid-Templated Silica. <i>Chemistry - A European Journal</i> , 2018 , 24, 1833-1837	4.8	18
12	Concave Cubes as Experimental Models of Catalytic Active Sites for the Oxygen-Assisted Coupling of Alcohols by Dilute (Ag)Au Alloys. <i>Topics in Catalysis</i> , 2018 , 61, 348-356	2.3	4
11	O Activation by Metal Surfaces: Implications for Bonding and Reactivity on Heterogeneous Catalysts. <i>Chemical Reviews</i> , 2018 , 118, 2816-2862	68.1	190
10	Growing Nanoscale Model Surfaces to Enable Correlation of Catalytic Behavior Across Dissimilar Reaction Environments. <i>Chemistry of Materials</i> , 2019 , 31, 1121-1141	9.6	11
9	Automated Detection and Characterization of Surface Restructuring Events in Bimetallic Catalysts. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 16332-16344	3.8	7
8	Strategic synergy: advances in the shape control of bimetallic nanoparticles with dilute alloyed surfaces. <i>Current Opinion in Colloid and Interface Science</i> , 2019 , 40, 104-117	7.6	12
7	Evolution of Metastable Structures at Bimetallic Surfaces from Microscopy and Machine-Learning Molecular Dynamics. <i>Journal of the American Chemical Society</i> , 2020 , 142, 15907-15916	16.4	16
6	Modular Design of Advanced Catalytic Materials Using Hybrid Organic-Inorganic Raspberry Particles. <i>Advanced Functional Materials</i> , 2018 , 28, 1704559	15.6	21
5	Autonomous Reaction Network Exploration in Homogeneous and Heterogeneous Catalysis.. <i>Topics in Catalysis</i> , 2022 , 65, 6-39	2.3	2
4	Decoding reactive structures in dilute alloy catalysts.. <i>Nature Communications</i> , 2022 , 13, 832	17.4	9
3	The Nature of Active Sites in the Pd/C-Catalyzed Hydrogenation/Hydrodeoxygenation of Benzaldehyde. <i>Catalysts</i> , 2022 , 12, 251	4	1
2	Dilute Alloys Based on Au, Ag, or Cu for Efficient Catalysis: From Synthesis to Active Sites.. <i>Chemical Reviews</i> , 2022 ,	68.1	7
1	Dynamical Study of Adsorbate-Induced Restructuring Kinetics in Bimetallic Catalysts Using the PdAu(111) Model System. 2022 , 144, 15132-15142		1