Erjia Guan

List of Publications by Year
in descending order

21 papers	1,153 citations	516710 16 h-index	713466 21 g-index
22 all docs	22 docs citations	22 times ranked	1943 citing authors

#	Article	IF	Citations
1	New Role of Pd Hydride as a Sensor of Surface Pd Distributions in Pdâ^'Au Catalysts. ChemCatChem, 2020, 12, 717-721.	3.7	12
2	Supported Metal Pair-Site Catalysts. ACS Catalysis, 2020, 10, 9065-9085.	11.2	67
3	Dispersed Nickel Boosts Catalysis by Copper in CO₂ Hydrogenation. ACS Catalysis, 2020, 10, 9261-9270.	11.2	52
4	Neural network assisted analysis of bimetallic nanocatalysts using X-ray absorption near edge structure spectroscopy. Physical Chemistry Chemical Physics, 2020, 22, 18902-18910.	2.8	33
5	Atomically Dispersed Ru on Manganese Oxide Catalyst Boosts Oxidative Cyanation. ACS Catalysis, 2020, 10, 6299-6308.	11.2	51
6	Silica accelerates the selective hydrogenation of CO2 to methanol on cobalt catalysts. Nature Communications, 2020, 11, 1033.	12.8	124
7	Docking of tetra-methyl zirconium to the surface of silica: a well-defined pre-catalyst for conversion of CO₂ to cyclic carbonates. Chemical Communications, 2020, 56, 3528-3531.	4.1	16
8	Mechanistic Study of Hydroamination of Alkyne through Tantalum-Based Silica-Supported Surface Species. ACS Catalysis, 2019, 9, 8719-8725.	11.2	15
9	MgO-Supported Iridium Metal Pair-Site Catalysts Are More Active and Resistant to CO Poisoning than Analogous Single-Site Catalysts for Ethylene Hydrogenation and Hydrogenâ€"Deuterium Exchange. ACS Catalysis, 2019, 9, 9545-9553.	11.2	25
10	Controlling catalytic activity and selectivity for partial hydrogenation by tuning the environment around active sites in iridium complexes bonded to supports. Chemical Science, 2019, 10, 2623-2632.	7.4	40
11	Product Selectivity Controlled by Nanoporous Environments in Zeolite Crystals Enveloping Rhodium Nanoparticle Catalysts for CO₂ Hydrogenation. Journal of the American Chemical Society, 2019, 141, 8482-8488.	13.7	242
12	Bulky Calixarene Ligands Stabilize Supported Iridium Pair-Site Catalysts. Journal of the American Chemical Society, 2019, 141, 4010-4015.	13.7	34
13	Tungsten Catalyst Incorporating a Wellâ€Defined Tetracoordinated Aluminum Surface Ligand for Selective Metathesis of Propane, [(â‰¡Siâ^'Oâ^'Siâ‰¡)(â‰¡Siâ^'Oâ^')₂Alâ^'Oâ^'W(â‰¡CtBu)(H)₂]. ChemCatChem, 2019, 11, 614-620.	3.7	2
14	Single-site catalyst promoters accelerate metal-catalyzed nitroarene hydrogenation. Nature Communications, 2018, 9, 1362.	12.8	161
15	Stable Rhodium Pair Sites on MgO: Influence of Ligands and Rhodium Nuclearity on Catalysis of Ethylene Hydrogenation and Hâ€"D Exchange in the Reaction of H₂ with D₂. ACS Catalysis, 2018, 8, 482-487.	11.2	35
16	Imine Metathesis Catalyzed by a Silica-Supported Hafnium Imido Complex. ACS Catalysis, 2018, 8, 9440-9446.	11.2	20
17	Supported cluster catalysts synthesized to be small, simple, selective, and stable. Faraday Discussions, 2018, 208, 9-33.	3.2	8
18	Rhodium pair-sites on magnesium oxide: Synthesis, characterization, and catalysis of ethylene hydrogenation. Journal of Catalysis, 2016, 338, 12-20.	6.2	24

#	Article	IF	Citations
19	Modulating the nanorods protrusion from poly(allylamine hydrochloride)-g-pyrene microcapsules by 1-pyrenesulfonic acid sodium salt. Journal of Colloid and Interface Science, 2013, 405, 10-16.	9.4	3
20	A pyridinyl-functionalized tetraphenylethylene fluorogen for specific sensing of trivalent cations. Chemical Communications, 2013, 49, 1503.	4.1	168
21	Decompositionâ€Assembly of Tetraphenylethylene Nanoparticles With Uniform Size and Aggregationâ€Induced Emission property. Macromolecular Rapid Communications, 2012, 33, 1584-1589.	3.9	21