

# Erjia Guan

## List of Publications by Year in descending order

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21  
papers

1,153  
citations

516710

16  
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713466

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Product Selectivity Controlled by Nanoporous Environments in Zeolite Crystals Enveloping Rhodium Nanoparticle Catalysts for CO <sub>2</sub> Hydrogenation. <i>Journal of the American Chemical Society</i> , 2019, 141, 8482-8488.	13.7	242
2	A pyridinyl-functionalized tetraphenylethylene fluorogen for specific sensing of trivalent cations. <i>Chemical Communications</i> , 2013, 49, 1503.	4.1	168
3	Single-site catalyst promoters accelerate metal-catalyzed nitroarene hydrogenation. <i>Nature Communications</i> , 2018, 9, 1362.	12.8	161
4	Silica accelerates the selective hydrogenation of CO <sub>2</sub> to methanol on cobalt catalysts. <i>Nature Communications</i> , 2020, 11, 1033.	12.8	124
5	Supported Metal Pair-Site Catalysts. <i>ACS Catalysis</i> , 2020, 10, 9065-9085.	11.2	67
6	Dispersed Nickel Boosts Catalysis by Copper in CO <sub>2</sub> Hydrogenation. <i>ACS Catalysis</i> , 2020, 10, 9261-9270.	11.2	52
7	Atomically Dispersed Ru on Manganese Oxide Catalyst Boosts Oxidative Cyanation. <i>ACS Catalysis</i> , 2020, 10, 6299-6308.	11.2	51
8	Controlling catalytic activity and selectivity for partial hydrogenation by tuning the environment around active sites in iridium complexes bonded to supports. <i>Chemical Science</i> , 2019, 10, 2623-2632.	7.4	40
9	Stable Rhodium Pair Sites on MgO: Influence of Ligands and Rhodium Nuclearity on Catalysis of Ethylene Hydrogenation and H/D Exchange in the Reaction of H <sub>2</sub> with D <sub>2</sub> . <i>ACS Catalysis</i> , 2018, 8, 482-487.	11.2	35
10	Bulky Calixarene Ligands Stabilize Supported Iridium Pair-Site Catalysts. <i>Journal of the American Chemical Society</i> , 2019, 141, 4010-4015.	13.7	34
11	Neural network assisted analysis of bimetallic nanocatalysts using X-ray absorption near edge structure spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 18902-18910.	2.8	33
12	MgO-Supported Iridium Metal Pair-Site Catalysts Are More Active and Resistant to CO Poisoning than Analogous Single-Site Catalysts for Ethylene Hydrogenation and Hydrogen/Deuterium Exchange. <i>ACS Catalysis</i> , 2019, 9, 9545-9553.	11.2	25
13	Rhodium pair-sites on magnesium oxide: Synthesis, characterization, and catalysis of ethylene hydrogenation. <i>Journal of Catalysis</i> , 2016, 338, 12-20.	6.2	24
14	Decomposition-Induced Assembly of Tetraphenylethylene Nanoparticles With Uniform Size and Aggregation-Induced Emission property. <i>Macromolecular Rapid Communications</i> , 2012, 33, 1584-1589.	3.9	21
15	Imine Metathesis Catalyzed by a Silica-Supported Hafnium Imido Complex. <i>ACS Catalysis</i> , 2018, 8, 9440-9446.	11.2	20
16	Docking of tetra-methyl zirconium to the surface of silica: a well-defined pre-catalyst for conversion of CO <sub>2</sub> to cyclic carbonates. <i>Chemical Communications</i> , 2020, 56, 3528-3531.	4.1	16
17	Mechanistic Study of Hydroamination of Alkyne through Tantalum-Based Silica-Supported Surface Species. <i>ACS Catalysis</i> , 2019, 9, 8719-8725.	11.2	15
18	New Role of Pd Hydride as a Sensor of Surface Pd Distributions in Pd/Au Catalysts. <i>ChemCatChem</i> , 2020, 12, 717-721.	3.7	12

#	ARTICLE	IF	CITATIONS
19	Supported cluster catalysts synthesized to be small, simple, selective, and stable. Faraday Discussions, 2018, 208, 9-33.	3.2	8
20	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
21	Tungsten Catalyst Incorporating a Well-Defined Tetracoordinated Aluminum Surface Ligand for Selective Metathesis of Propane, $[(\text{Si}^{\text{O}}\text{Si}^{\text{O}})(\text{Si}^{\text{O}}\text{O})_2\text{Al}^{\text{O}}\text{W}(\text{C}^{\text{t}}\text{Bu})_3(\text{H})_2]$ . ChemCatChem, 2019, 11, 614-620.	3.7	2