Guang-Jie Xia

List of Publications by Year
in descending order

22	601	687363 13	677142 22
papers	citations	h-index	g-index

24	24	24	784
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Single-element amorphous palladium nanoparticles formed via phase separation. Nano Research, 2022, 15, 5575-5580.	10.4	5
2	Diffusion and Surface Segregation of Interstitial Ti Defects Induced by Electronic Metalâ€“Support Interactions on a Au/TiO₂ Nanocatalyst. ACS Catalysis, 2022, 12, 4455-4464.	11.2	17
3	Pseudo-adsorption and long-range redox coupling during oxygen reduction reaction on single atom electrocatalyst. Nature Communications, 2022, 13, 1734.	12.8	56
4	Fast Transformation of CO₂ into CO Via a Hydrogen Bond Network on the Cu Electrocatalysts. Journal of Physical Chemistry C, 2022, 126, 7841-7848.	3.1	8
5	Using general computational chemistry strategy to unravel the reactivity of emerging pollutants: An example of sulfonamide chlorination. Water Research, 2021, 202, 117391.	11.3	13
6	Heterogeneous Two-Atom Single-Cluster Catalysts for the Nitrogen Electroreduction Reaction. Journal of Physical Chemistry C, 2021, 125, 19821-19830.	3.1	27
7	Unraveling the catalytically active phase of carbon dioxide hydrogenation to methanol on Zn/Cu alloy: Single atom versus small cluster. Journal of Energy Chemistry, 2021, 61, 582-593.	12.9	9
8	Lattice oxygen self-spillover on reducible oxide supported metal cluster: the waterâ€“gas shift reaction on Cu/CeO₂ catalyst. Chemical Science, 2021, 12, 8260-8267.	7.4	21
9	Boosting the performance by the water solvation shell with hydrogen bonds on protonic ionic liquids: insights into the acid catalysis of the glycosidic bond. Catalysis Science and Technology, 2021, 11, 3527-3538.	4.1	4
10	Solvent Promotion on the Metal-Support Interaction and Activity of Pd@ZrO2 Catalyst: Formation of Metal Hydrides as the New Catalytic Active Phase at the Solid-Liquid Interface. Journal of Catalysis, 2021, , .	6.2	10
11	Carbon Monoxide Gas Induced 4H-to-fcc Phase Transformation of Gold As Revealed by In-Situ Transmission Electron Microscopy. Inorganic Chemistry, 2020, 59, 14415-14423.	4.0	4
12	Mechanistic insight into the catalytically active phase of CO2 hydrogenation on Cu/ZnO catalyst. Applied Surface Science, 2020, 525, 146481.	6.1	20
13	Mechanistic Insight into the Oxygen Reduction Reaction on the Mnâ€“N₄/C Single-Atom Catalyst: The Role of the Solvent Environment. Journal of Physical Chemistry C, 2020, 124, 7287-7294.	3.1	51
14	Atomic origin of CO-Interaction effect of PtPb@Pt catalyst revealed by in situ environmental transmission electron microscopy. Nano Energy, 2020, 76, 105099.	16.0	11
15	Gas-assisted transformation of gold from fcc to the metastable 4H phase. Nature Communications, 2020, 11, 552.	12.8	17
16	Enantioselective photoinduced cyclodimerization of a prochiral anthracene derivative adsorbed on helical metal nanostructures. Nature Chemistry, 2020, 12, 551-559.	13.6	90
17	Structural inhomogeneity as a factor promoting the homogenous catalysis of CO2 hydrogenation by (PMe3)4RuH2. Physical Chemistry Chemical Physics, 2019, 21, 19252-19268.	2.8	2
18	Direct transformation of lignin into fluorescence-switchable graphene quantum dots and their application in ultrasensitive profiling of a physiological oxidant. Green Chemistry, 2019, 21, 3343-3352.	9.0	87

#	Article	IF	Citations
19	Family of Highly Luminescent Pure Ionic Copper(I) Bromide Based Hybrid Materials. ACS Applied Materials & Interfaces, 2019, 11, 17513-17520.	8.0	54
20	A comparative study on the CO2 hydrogenation catalyzed by Ru dihydride complexes: (PMe3)4RuH2 and (Me2PCH2CH2PMe2)2RuH2. Dalton Transactions, 2016, 45, 17329-17342.	3.3	6
21	Facile Assembly of Chiral Metallosquares by Using Enantiopure Tribenzotriquinacene Corner Motifs. Chemistry - A European Journal, 2015, 21, 12011-12017.	3.3	33
22	Controlling the self-assembly pathways of amphiphilic block copolymers into vesicles. Soft Matter, 2012, 8, 7865.	2.7	56