

Chaonan Cui

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Plasma-Assisted Dinitrogen Activation via Dual Platinum Cluster Catalysis: A Strategy for Ammonia Synthesis under Mild Conditions. <i>CCS Chemistry</i> , 2023, 5, 682-694.	7.8	3
2	Gas-Phase Synthesis of Metal Olefins: Plasma-Assisted Methane Dehydrogenation and C-C Bond Formation. <i>Journal of Physical Chemistry A</i> , 2022, 126, 1123-1131.	2.5	1
3	In-situ generation and global property profiling of metal nanoclusters by ultraviolet laser dissociation-mass spectrometry. <i>Science China Chemistry</i> , 2022, 65, 1196-1203.	8.2	11
4	Plasma-Assisted Dinitrogen Activation on Small Cobalt Clusters: Co_4N_9 with Enhanced Stability. <i>ChemPhysChem</i> , 2022, 23, .	2.1	6
5	An oxygen-passivated vanadium cluster $[\text{V}_{10}\text{O}_{15}]^+$ with metal-metal coordination produced by reacting Vn^+ with O_2 . <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 921-927.	2.8	9
6	Co_{13}O_8 metalloxocubes: a new class of perovskite-like neutral clusters with cubic aromaticity. <i>National Science Review</i> , 2021, 8, nwaa201.	9.5	21
7	Reactivity of Cobalt Clusters $\text{Co}_n^+/0$ with Dinitrogen: Superatom Co_6^+ and Superatomic Complex Co_5N_6^+ . <i>Journal of Physical Chemistry A</i> , 2021, 125, 2130-2138.	2.5	8
8	Anisotropic N-Modification of the Mo_4 Ensemble for Efficient Ammonia Synthesis on Molybdenum Nitrides. <i>Journal of Physical Chemistry C</i> , 2020, 124, 616-624.	3.1	3
9	Plasma-Assisted Chain Reactions of Rh_3^+ Clusters with Dinitrogen: N-N Bond Dissociation. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 8222-8230.	4.6	15
10	Nitrogen reduction reaction on small iron clusters supported by N-doped graphene: A theoretical study of the atomically precise active-site mechanism. <i>Nano Research</i> , 2020, 13, 2280-2288.	10.4	59
11	Reactivity of Cobalt Clusters $\text{Co}_n^+/0$ with Ammonia: Co_3^+ Cluster Catalysis for NH_3 Dehydrogenation. <i>Journal of Physical Chemistry A</i> , 2020, 124, 5879-5886.	2.5	13
12	A Raman study on the intracluster interactions of aminothiophenol-protected Ag_7 clusters: Photo-assisted N-N coupling reaction of the ligand. <i>Journal of Raman Spectroscopy</i> , 2020, 51, 764-773.	2.5	0
13	MoS_2 -Supported Fe_2 Clusters Catalyzing Nitrogen Reduction Reaction to Produce Ammonia. <i>Journal of Physical Chemistry C</i> , 2020, 124, 6260-6266.	3.1	69
14	Oxygen Reduction Reaction Catalyzed by Pt_3M (M = 3d Transition Metals) Supported on O-doped Graphene. <i>Catalysts</i> , 2020, 10, 156.	3.5	8
15	Catalytic Oxidation of Cyclohexane on Small Silver Clusters Supported by Graphene Oxide. <i>Journal of Physical Chemistry C</i> , 2019, 123, 21504-21512.	3.1	27
16	A facile method to synthesize water-soluble Pd_8 nanoclusters unraveling the catalytic mechanism of p-nitrophenol to p-aminophenol. <i>Nano Research</i> , 2019, 12, 2589-2596.	10.4	17
17	A hexagonal Ni_6 cluster protected by 2-phenylethanethiol for catalytic conversion of toluene to benzaldehyde. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 17933-17938.	2.8	12
18	The Doping Effect of 13-Atom Iron Clusters on Water Adsorption and O-H Bond Dissociation. <i>Journal of Physical Chemistry A</i> , 2019, 123, 4891-4899.	2.5	12

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19	Nitrogen-carbon layer coated nickel nanoparticles for efficient electrocatalytic reduction of carbon dioxide. <i>Nano Research</i> , 2019, 12, 1167-1172.	10.4	41
20	Insights into the Mechanism of Ammonia Decomposition on Molybdenum Nitrides Based on DFT Studies. <i>Journal of Physical Chemistry C</i> , 2019, 123, 554-564.	3.1	24
21	Enhanced Catalysis of Pt ₃ Clusters Supported on Graphene for N-H Bond Dissociation. <i>CCS Chemistry</i> , 2019, 1, 215-225.	7.8	21
22	Titania-Modified Silver Electrocatalyst for Selective CO ₂ Reduction to CH ₃ OH and CH ₄ from DFT Study. <i>Journal of Physical Chemistry C</i> , 2017, 121, 16275-16282.	3.1	47
23	Direct C-C Coupling of CO ₂ and the Methyl Group from CH ₄ Activation through Facile Insertion of CO ₂ into Zn-CH ₃ σ-Bond. <i>Journal of the American Chemical Society</i> , 2016, 138, 10191-10198.	13.7	96
24	Enhanced CO selectivity and stability for electrocatalytic reduction of CO ₂ on electrodeposited nanostructured porous Ag electrode. <i>Journal of CO₂ Utilization</i> , 2016, 15, 41-49.	6.8	43
25	Promotional effect of surface hydroxyls on electrochemical reduction of CO ₂ over SnO ₂ /Sn electrode. <i>Journal of Catalysis</i> , 2016, 343, 257-265.	6.2	113
26	A DFT study of CO ₂ electrochemical reduction on Pb(211) and Sn(112). <i>Science China Chemistry</i> , 2015, 58, 607-613.	8.2	30