

Lijun Geng

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

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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	Ladder Oxygenation of Group VIII Metal Clusters and the Formation of Metalloxocubes $M_{13}O_8$. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 733-739.	4.6	5
3	Pure Metal Clusters with Atomic Precision for Nanomanufacturing. <i>Nanomanufacturing and Metrology</i> , 2022, 5, 230-239.	3.0	4
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 $[V@V10O15]^{+}$ 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	Interactions between water and rhodium clusters: molecular adsorption versus cluster adsorption. <i>Nanoscale</i> , 2021, 13, 11396-11402.	5.6	5
8	Vanadium Cluster Neutrals Reacting with Water: Superatomic Features and Hydrogen Evolution in a Fishing Mode. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 1593-1600.	4.6	21
9	Reactivity of Cobalt Clusters Co_n/O 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
10	Spin accommodation and reactivity of nickel clusters with oxygen: Aromatic and magnetic metalloxocube $Ni_{13}O_8$. <i>Nano Research</i> , 2021, 14, 4822-4827.	10.4	7
11	Probing Cluster Interactions between Cu^+ and C_2H_2/C_2H_4 for Gas Separation. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 2391-2398.	2.8	1
12	Superatomic Signature and Reactivity of Silver Clusters with Oxygen: Double Magic Ag_{17} with Geometric and Electronic Shell Closure. <i>CCS Chemistry</i> , 2021, 3, 219-229.	7.8	28
13	The reactivity of Nb_n clusters with acetylene and ethylene to produce a cubic aromatic metal carbide Nb_4C_4 . <i>New Journal of Chemistry</i> , 2021, 45, 21844-21851.	2.8	3
14	Cyclotrimerization of Acetylene on Clusters $Co_n/Fen+/Nin+(n = 1-16)$. <i>Journal of Physical Chemistry A</i> , 2021, 125, 10392-10400.	2.5	7
15	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
16	Hydrogen release from a single water molecule on Vn^+ ($3 \leq n \leq 30$). <i>Communications Chemistry</i> , 2020, 3, .	4.1	1
17	Anionic Copper Clusters Reacting with NO: An Open-Shell Superatom Cu_{18} . <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 5807-5814.	4.6	22
18	Reactivity of Cobalt Clusters Co_n/O with Ammonia: Co_3 Cluster Catalysis for NH_3 Dehydrogenation. <i>Journal of Physical Chemistry A</i> , 2020, 124, 5879-5886.	2.5	13

#	ARTICLE	IF	CITATIONS
19	An integrated instrument of DUV-IR photoionization mass spectrometry and spectroscopy for neutral clusters. Review of Scientific Instruments, 2019, 90, 073101.	1.3	31
20	Furthering the reaction mechanism of cationic vanadium clusters towards oxygen. Physical Chemistry Chemical Physics, 2019, 21, 11234-11241.	2.8	18
21	Formation of Al ⁺ (C ₆ H ₆) ₁₃ : The Origin of Magic Number in Metal-Benzene Clusters Determined by the Nature of the Core. CCS Chemistry, 2019, 1, 571-581.	7.8	12