

Lijun Geng

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

260
citations

933447

10
h-index

940533

16
g-index

21
all docs

21
docs citations

21
times ranked

134
citing authors

#	ARTICLE	IF	CITATIONS
1	An integrated instrument of DLV-IR photoionization mass spectrometry and spectroscopy for neutral clusters. Review of Scientific Instruments, 2019, 90, 073101.	1.3	31
2	Superatomic Signature and Reactivity of Silver Clusters with Oxygen: Double Magic Ag ₁₇ ⁺ with Geometric and Electronic Shell Closure. CCS Chemistry, 2021, 3, 219-229.	7.8	28
3	Anionic Copper Clusters Reacting with NO: An Open-Shell Superatom Cu ₁₈ ⁻ . Journal of Physical Chemistry Letters, 2020, 11, 5807-5814.	4.6	22
4	Hydrogen release from a single water molecule on Vn ⁺ (3 ≤ n ≤ 30). Communications Chemistry, 2020, 3, .		
5	Co ₁₃ O ₈ metalloxocubes: a new class of perovskite-like neutral clusters with cubic aromaticity. National Science Review, 2021, 8, nwaa201.	9.5	21
6	Vanadium Cluster Neutrals Reacting with Water: Superatomic Features and Hydrogen Evolution in a Fishing Mode. Journal of Physical Chemistry Letters, 2021, 12, 1593-1600.	4.6	21
7	Furthering the reaction mechanism of cationic vanadium clusters towards oxygen. Physical Chemistry Chemical Physics, 2019, 21, 11234-11241.	2.8	18
8	Plasma-Assisted Chain Reactions of Rh ₃ ⁺ Clusters with Dinitrogen: N≡N Bond Dissociation. Journal of Physical Chemistry Letters, 2020, 11, 8222-8230.	4.6	15
9	Reactivity of Cobalt Clusters Co _n ^{±0} with Ammonia: Co ₃ ⁺ Cluster Catalysis for NH ₃ Dehydrogenation. Journal of Physical Chemistry A, 2020, 124, 5879-5886.	2.5	13
10	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
11	An oxygen-passivated vanadium cluster [V@V10O15] ⁺ with metal-metal coordination produced by reacting Vn ⁺ with O ₂ . Physical Chemistry Chemical Physics, 2021, 23, 921-927.	2.8	9
12	Reactivity of Cobalt Clusters Co _n ^{±0} with Dinitrogen: Superatom Co ₆ ⁺ and Superatomic Complex Co ₅ N ₆ ⁺ . Journal of Physical Chemistry A, 2021, 125, 2130-2138.	2.5	8
13	Spin accommodation and reactivity of nickel clusters with oxygen: Aromatic and magnetic metalloxocube Ni ₁₃ O ₈ [±] . Nano Research, 2021, 14, 4822-4827.	10.4	7
14	Cyclotrimerization of Acetylene on Clusters Con ⁺ /Fen ⁺ /Nin ⁺ (n = 1-16). Journal of Physical Chemistry A, 2021, 125, 10392-10400.	2.5	7
15	Plasma-Assisted Dinitrogen Activation on Small Cobalt Clusters: Co ₄ N ₉ ⁺ with Enhanced Stability. ChemPhysChem, 2022, 23, .	2.1	6
16	Interactions between water and rhodium clusters: molecular adsorption versus cluster adsorption. Nanoscale, 2021, 13, 11396-11402.	5.6	5
17	Ladder Oxygenation of Group VIII Metal Clusters and the Formation of Metalloxocubes M ₁₃ O ₈ ⁺ . Journal of Physical Chemistry Letters, 2022, 13, 733-739.	4.6	5
18	Pure Metal Clusters with Atomic Precision for Nanomanufacturing. Nanomanufacturing and Metrology, 2022, 5, 230-239.	3.0	4

#	ARTICLE	IF	CITATIONS
19	The reactivity of Nb _n clusters with acetylene and ethylene to produce a cubic aromatic metal carbide Nb ₄ C ₄ . <i>New Journal of Chemistry</i> , 2021, 45, 21844-21851.	2.8	3
20	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
21	Probing Cluster-Cluster Interactions between Cu _n and C ₂ H ₂ /C ₂ H ₄ for Gas Separation. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 2391-2398.	2.8	1