

Bin Yang

List of Publications by Year in descending order

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62
papers

4,651
citations

117625

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docs citations

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times ranked

5016
citing authors

#	ARTICLE	IF	CITATIONS
37	Photoassisted Selective Steam and Dry Reforming of Methane to Syngas Catalyzed by Rhodium–Vanadium Bimetallic Oxide Cluster Anions at Room Temperature. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 21216-21223.	13.8	28
38	Structural evolution and electronic properties of CoSi_n ($n = 3-12$) clusters: mass-selected anion photoelectron spectroscopy and quantum chemistry calculations. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 6207-6215.	2.8	24
39	Efficient Thermally Activated Delayed Fluorescence from All-Inorganic Cesium Zirconium Halide Perovskite Nanocrystals. <i>Angewandte Chemie</i> , 2020, 132, 22109-22113.	2.0	24
40	Spatial Separation of Photogenerated Charges on Well-Defined Bismuth Vanadate Square Nanocrystals. <i>Small</i> , 2022, 18, e2103245.	10.0	23
41	Modulating Charge-Carrier Dynamics in Mn-Doped All-Inorganic Halide Perovskite Quantum Dots through the Doping-Induced Deep Trap States. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 3705-3711.	4.6	22
42	Tuning Exciton Recombination Pathways in Inorganic Bismuth-Based Perovskite for Broadband Emission. <i>Energy Material Advances</i> , 2022, 2022, .	11.0	22
43	Direct Conversion of Methane with Carbon Dioxide Mediated by RhVO_3 Cluster Anions. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 17287-17292.	13.8	21
44	Lead-free rare-earth double perovskite $\text{Cs}_2\text{AgIn}_3\text{Bi}_3\text{Cl}_6$ nanocrystals with highly efficient warm-white emission. <i>Science China Materials</i> , 2021, 64, 2667-2674.	6.3	18
45	Yb^{2+} -Alloyed Cs_4Pb_6 CsPb_3 Perovskite Nanocomposites for Efficient and Stable Pure-Red Emission. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 10093-10098.	4.6	17
46	Organo-Metal Halide Scintillator with Weak Thermal Quenching Up to 200 °C. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 5794-5800.	4.6	16
47	Germanium Halides Serving as Ideal Precursors: Designing a More Effective and Less Toxic Route to High-Optoelectronic-Quality Metal Halide Perovskite Nanocrystals. <i>Nano Letters</i> , 2022, 22, 636-643.	9.1	15
48	Direct Conversion of Methane with Carbon Dioxide Mediated by RhVO_3 Cluster Anions. <i>Angewandte Chemie</i> , 2019, 131, 17447-17452.	2.0	14
49	Catalytic CO Oxidation by O_2 Mediated by Noble-Metal-Free Cluster Anions Cu_2VO_3 . <i>Angewandte Chemie</i> , 2018, 130, 3407-3411.	2.0	13
50	Controlling Photoluminescence and Photocatalysis Activities in Lead-Free $\text{Cs}_2\text{Pt}_x\text{Sn}_y\text{Cl}_6$ Perovskites via Ion Substitution. <i>Angewandte Chemie</i> , 2021, 133, 22875-22881.	2.0	13
51	Phase Engineering of Cesium Manganese Bromides Nanocrystals with Color-Tunable Emission. <i>Angewandte Chemie</i> , 2021, 133, 19805-19811.	2.0	12
52	Molecular dynamics simulation, <i>ab initio</i> calculation, and size-selected anion photoelectron spectroscopy study of initial hydration processes of calcium chloride. <i>Journal of Chemical Physics</i> , 2018, 148, 222839.	3.0	11
53	Appearance of V-encapsulated tetragonal prism motifs in VSi_{10} and VSi_{11} clusters. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 22989-22996.	2.8	10
54	Photostability of the Oleic Acid-Encapsulated Water-Soluble $\text{Cd}_x\text{Se}_y\text{Zn}_{1-x-y}\text{S}$ Gradient Core-Shell Quantum Dots. <i>ACS Omega</i> , 2017, 2, 1922-1929.	3.5	8

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55	Structural and Electronic Properties of LaSi_nO_n ($n = 2-6$) Clusters: Anion Photoelectron Spectroscopy and Density Functional Calculations. <i>Journal of Physical Chemistry A</i> , 2021, 125, 10557-10567.	2.5	8
56	Structural and Electronic Properties of Co_nC_3 and Co_nC_4 ($n=1-4$) Clusters: Mass-Selected Anion Photoelectron Spectroscopy and Density Functional Theory Calculations. <i>Chinese Journal of Chemical Physics</i> , 2017, 30, 717-726.	1.3	5
57	Size-selected anion photoelectron spectroscopy and density functional theory study of $\text{MnCn}^+/0$ ($n = 1-10$). <i>Journal of Physical Chemistry A</i> , 2021, 125, 074304.	3.0	5
58	Photoassisted Selective Steam and Dry Reforming of Methane to Syngas Catalyzed by Rhodium-Vanadium Bimetallic Oxide Cluster Anions at Room Temperature. <i>Angewandte Chemie</i> , 2020, 132, 21402-21409.	2.0	5
59	Charge-carrier dynamics of trivalent-metal alloyed halide double-perovskite nanocrystals. <i>Chemical Physics Letters</i> , 2021, 770, 138440.	2.6	5
60	Microsolvation of Sodium Thiocyanate in Water: Gas Phase Anion Photoelectron Spectroscopy and Theoretical Calculations. <i>Journal of Physical Chemistry A</i> , 2020, 124, 7816-7826.	2.5	4
61	Structural and electronic properties of HCnS^- ($n = 4-11$): anion photoelectron spectroscopy and density functional calculations. <i>RSC Advances</i> , 2016, 6, 78064-78072.	3.6	2
62	Memorial Viewpoint for Keli Han. <i>Journal of Physical Chemistry A</i> , 2022, 126, 3973-3975.	2.5	0