Zhang Shuai

List of Publications by Year
in descending order

38 papers	426 citations	840776 11 h-index	752698 20 g-index
39 all docs	39 docs citations	39 times ranked	703 citing authors

#	Article	IF	Citations
1	Au-PEDOT/rGO nanocomposites functionalized graphene electrochemical transistor for ultra-sensitive detection of acetaminophen in human urine. Analytica Chimica Acta, 2022, 1191, 339306.	5.4	13
2	Solutionâ€gated transistor based on electrochemically reduced graphene oxide channel. Journal of Materials Science, 2022, 57, 4652-4663.	3.7	1
3	Searching new structures of ruthenium-doped in small-sized silicon clusters: RuSin(nâ€‰=â€‰3â€“13) clusters. European Physical Journal Plus, 2022, 137, 1.	2.6	1
4	Facile hydrothermal synthesis CuO microflowers for nonâ€enzymatic glucose sensors. Micro and Nano Letters, 2022, 17, 107-113.	1.3	2
5	Fluorine-Doped Carbon-Coated Mesoporous Ti₂Nb₁₀O₂₉ Microspheres as a High-Performance Anode for Lithium-Ion Batteries. Journal of Physical Chemistry C, 2022, 126, 7799-7808.	3.1	11
6	Stable and Efficient Upconversion Single Red Emission from CsPbI₃ Perovskite Quantum Dots Triggered by Upconversion Nanoparticles. Inorganic Chemistry, 2021, 60, 2649-2655.	4.0	12
7	Computational probe for the geometrical structure and spectroscopic properties of Ga2Mgn+ (nÂ=Â1â€“11) clusters. Computational and Theoretical Chemistry, 2021, 1206, 113500.	2.5	1
8	The effect of silicon doping on the geometrical structures, stability, and electronic and spectral properties of magnesium clusters: DFT study of SiMg_n (n = 1â€12) clusters. International Journal of Quantum Chemistry, 2020, 120, e26143.	2.0	20
9	Probing the structural evolution, electronic and spectral properties of beryllium doped magnesium and its ion clusters. New Journal of Chemistry, 2020, 44, 16929-16940.	2.8	16
10	Probing the structures and electronic properties of anionic and neutral BiAu_n^{â¯1,0} (n = 2â€“20) clusters: a pyramid-like BiAu₁₃ cluster. New Journal of Chemistry, 2019, 43, 10030-10037.	2.8	9
11	Theoretical study of the geometrical and electronic properties of Be2Mg+ n (n = 1â€“11) clusters. Materials Express, 2019, 9, 778-785.	0.5	7
12	A Density Functional Theory Study on the Structures and Electronic Properties of XAl_n (X = Br, I; n = 3â€“15) Clusters. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2019, 74, 121-129.	1.5	2
13	Probing the geometries and electronic properties of charged Zr2Si n q (nÂ=Â1â€“12, qÂ=ÂÂ±1) clusters. Structural Chemistry, 2018, 29, 139-146.	2.0	2
14	Copper sulfide nanoneedles on CNT backbone composite electrodes for high-performance supercapacitors and Li-S batteries. Journal of Solid State Electrochemistry, 2017, 21, 349-359.	2.5	28
15	Photocatalytic Reduction of CO2 by ZnO Micro/nanomaterials with Different Morphologies and Ratios of {0001} Facets. Scientific Reports, 2016, 6, 38474.	3.3	89
16	Controllable synthesis and photocatalytic properties of ZnO hierarchical flowerâ€like porous nanostructures. Micro and Nano Letters, 2016, 11, 753-757.	1.3	6
17	Probing the structures, stabilities, and electronic properties of neutral and charged carbon-doped lithium CLi n Î¼ (nÂ=Â2â€“20, Î¼Â=Â0, Â±1) clusters from unbiased CALYPSO method. Journal of Materials Science, 2016, 51, 9440-9454.	2.7	5
18	Protein-directed synthesis of highly monodispersed, spherical gold nanoparticles and their applications in multidimensional sensing. Scientific Reports, 2016, 6, 28900.	3.3	73

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19	Single-indicator-based Multidimensional Sensing: Detection and Identification of Heavy Metal Ions and Understanding the Foundations from Experiment to Simulation. Scientific Reports, 2016, 6, 25354.	3.3	30
20	First-Principles Calculations of the Mechanical and Elastic Properties of 2H_c- and 2H_a-WS₂/CrS₂ Under Pressure. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2016, 71, 517-524.	1.5	2
21	First-principles study on the geometries, stabilities and electronic properties of yttriumâ€“silicon clusters (Y2Si n ; 1Ââ‰ÂnÂâ‰Â12). Structural Chemistry, 2016, 27, 983-992.	2.0	6
22	Theoretical Study of Geometries, Stabilities, and Electronic Properties of Cationic (FeS) n + (n = 1â€“5) Clusters. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2016, 71, 45-51.	1.5	3
23	Theoretical investigation on the geometries and electronic properties of cesiumâ€“silicon CsSi n (nÂ=Â2â€“12) clusters. Structural Chemistry, 2016, 27, 457-465.	2.0	4
24	Facile Synthesis of ZnO@TiO2Core-Shell Nanorod Thin Films for Dye-Sensitized Solar Cells. Journal of Nanomaterials, 2015, 2015, 1-5.	2.7	4
25	A density functional study of small sized silver-doped silicon clusters: Ag2Sin (n = 1â€“13). European Physical Journal D, 2015, 69, 1.	1.3	5
26	Transport and Magnetic Properties of K0.8Fe2â^'x Cu x Se2(0 â©½ x â©½ 2) System. Journal of Superconductivity and Novel Magnetism, 2015, 28, 219-222.	1.8	3
27	Structures, Stabilities, and Electronic Properties of Small-Sized Zr2Si n (n=1â€“11) Clusters: A Density Functional Study. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2015, 70, 805-814.	1.5	4
28	Systematic theoretical investigation of structures, stabilities, and electronic properties of rhodium-doped silicon clusters: Rh2Si n q (nÂ=Â1â€“10; qÂ=Â0,ÂÂ±1). Journal of Materials Science, 2015, 50, 6180-6196.	3.7	11
29	Geometries, stabilities and electronic properties of small-sized Pd2-doped Sin(n= 1â€“11) clusters. Molecular Physics, 2015, 113, 3567-3577.	1.7	4
30	First-principle study of silicon cluster doped with rhodium: Rh2Sin (nÂ=Â1â€“11) clusters. Materials Chemistry and Physics, 2015, 160, 227-236.	4.0	11
31	Structures and electronic properties of the small rubidiumâ€doped silicon RbSi_n (nâ€‰=â€‰1â€“12) clusters. International Journal of Quantum Chemistry, 2015, 115, 50-58.	2.0	2
32	Facile Synthesis of Carbon-Coated Zn₂SnO₄Nanomaterials as Anode Materials for Lithium-Ion Batteries. Journal of Nanomaterials, 2014, 2014, 1-6.	2.7	3
33	Direct Growth of Copper Oxide Films on Ti Substrate for Nonenzymatic Glucose Sensors. Journal of Nanomaterials, 2014, 2014, 1-5.	2.7	6
34	Structural, Stabilities, and Electronic Properties of Bimetallic Mg2-doped Silicon Clusters. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2014, 69, 481-488.	1.5	3
35	Geometries, stabilities and electronic properties of beryllium-silicon Be2Si n clusters. Journal of Molecular Modeling, 2014, 20, 2242.	1.8	4
36	Theoretical study of the structures, stabilities, and electronic properties of neutral and anionic Ca2Si n Î» (n = 1â€“8, Î» = 0, +1) clusters. European Physical Journal D, 2014, 68, 1.	1.3	2

#	Article	IF	Citations
37	Band-gap modulations of armchair silicene nanoribbons by transverse electric fields. European Physical Journal B, 2013, 86, 1.	1.5	21
38	Application of embedded system to the design of data collecting and analyzing system for rock mass mechanics property test. , 2010, , .		0