

Tang Yan-Lin

List of Publications by Year in descending order

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33
papers

370
citations

759233

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33
all docs

33
docs citations

33
times ranked

173
citing authors

#	ARTICLE	IF	CITATIONS
1	Theoretical Study on the Carrier Mobility and Optical Properties of CsPb ₃ by DFT. ACS Omega, 2021, 6, 11545-11555.	3.5	41
2	First-principles study on the structural, electronic and optical properties of vacancy-ordered double perovskites Cs ₂ PtI ₆ and Rb ₂ PtI ₆ . Optical Materials, 2021, 114, 110952.	3.6	34
3	Study on electronic structure and excitation characteristics of cyclo[18]carbon. Chemical Physics Letters, 2020, 741, 136975.	2.6	29
4	First-principles calculations to investigate structural, elastic, electronic and optical properties of lead-free perovskite derivatives Cs ₂ SeX ₆ (X=Cl, Br, I). Optical Materials, 2021, 119, 111316.	3.6	29
5	First-principles calculations to investigate the structural, electronic and optical properties of lead-free double perovskites Rb ₂ SeI ₆ and K ₂ SeI ₆ . Solar Energy, 2022, 231, 236-242.	6.1	27
6	First-Principles Study on the Photoelectric Properties of CsGeI ₃ under Hydrostatic Pressure. Applied Sciences (Switzerland), 2020, 10, 5055.	2.5	19
7	Exploring the structural, electronic and optical properties of vacancy-ordered double perovskites Cs ₂ TlAsX ₆ (X = I, Br, Cl) based on first-principles. Physics Letters, Section A: General, Atomic and Solid State Physics, 2022, 427, 127917.	2.1	18
8	Study on the Property of Electron-Transport Layer in the Doped Formamidinium Lead Iodide Perovskite Based on DFT. ACS Omega, 2019, 4, 20024-20035.	3.5	17
9	First-principles study on the structural, elastic, electronic and optical properties of lead-free double perovskites Cs ₂ CuBiX ₆ (X I, Br, Cl). Materials Today Communications, 2021, 29, 102842.	1.9	16
10	First-principles study on the electronic and optical properties of the orthorhombic CsPbBr ₃ and CsPbI ₃ with <i>Cmcm</i> space group. New Journal of Chemistry, 2021, 45, 15857-15862.	2.8	16
11	Identification of tea based on CARS- \overline{SWR} variable optimization of visible/near-infrared spectrum. Journal of the Science of Food and Agriculture, 2020, 100, 371-375.	3.5	14
12	Insights on structural, elastic, electronic and optical properties of double-perovskite halides Rb ₂ CuBiX ₆ (X=Br, Cl). Journal of Physics and Chemistry of Solids, 2022, 167, 110791.	4.0	14
13	Study on the stability of organic-inorganic perovskite solar cell materials based on first principle. Molecular Physics, 2020, 118, e1665200.	1.7	12
14	Nitrogen Contents of Rice Panicle and Paddy by Hyperspectral Remote Sensing. Pakistan Journal of Biological Sciences, 2007, 10, 4420-4425.	0.5	11
15	Theoretical exploration of mechanical, electronic structure and optical properties of aluminium based double halide perovskite. RSC Advances, 2022, 12, 10209-10218.	3.6	11
16	Theoretical prediction of the structural, electronic and optical properties of vacancy-ordered double perovskites Tl ₂ TiX ₆ (X = Cl, Br, I). Journal of Solid State Chemistry, 2022, 305, 122684.	2.9	10
17	Revealing structural, elastic, electronic and optical properties of potential perovskites K ₂ CuBiX ₆ (X=Br, Cl) based on first-principles. Journal of Solid State Chemistry, 2022, 310, 123046.	2.9	9
18	Study on the properties of perovskite materials under light and different temperatures and electric fields based on DFT. RSC Advances, 2020, 10, 20960-20971.	3.6	8

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19	Theoretical calculation of spectra of dibutyl phthalate and dioctyl phthalate. Russian Journal of Physical Chemistry A, 2014, 88, 819-822.	0.6	7
20	Quantum chemical investigations on spectral and dissociation properties of L-glutamic acid. Chemical Physics Letters, 2020, 738, 136865.	2.6	3
21	Calculation of the UV Spectrum and Electrophilic Reactive Sites of Fentanyl Molecule Based on the Density Functional Theory. Russian Journal of Physical Chemistry A, 2020, 94, 2586-2593.	0.6	3
22	Study on conductivity properties and stability of NbAs based on first-principles. Computational Materials Science, 2020, 181, 109731.	3.0	3
23	Study on mechanical, electronic and optical properties of Pb-free double halide perovskites In ₂ TiX ₆ (X = Cl, Br). Journal of Nanoelectronics and Optoelectronics, 2021, 16, 434-443.	1.9	3
24	Ferromagnetic and Antiferromagnetic Properties of Perovskite Solar Cell Materials. Journal of Nanoelectronics and Optoelectronics, 2021, 16, 434-443.	0.5	3
25	Density functional theory investigation of the mechanical, electronic and optical properties of Pb-free vacancy-ordered double perovskites K ₂ PdCl ₆ and K ₂ PdBr ₆ . Physica Scripta, 2022, 97, 015801.	2.5	3
26	Study on Electronic, Mechanical and Optical Properties of Perovskite Cs ₂ AgGaX ₆ (X = Cl, Br). Journal of Nanoelectronics and Optoelectronics, 2021, 16, 1521-1527.	0.5	3
27	The first principle study of structural, mechanical, electronic and optical properties of double halide perovskite K ₂ Bi ₆ (Ba = Ti, Zr and Hf). Molecular Physics, 0, , .	1.7	3
28	Study on UV Spectrum and Antioxidant Properties of 3-tert-Butyl-4-hydroxyanisole Molecule. Russian Journal of Physical Chemistry A, 2021, 95, 343-348.	0.6	2
29	The energy band structure of Si and Ge nanolayers. Modern Physics Letters B, 2016, 30, 1650402.	1.9	1
30	STUDY ON BAND STRUCTURE OF NANOPOROUS SILICON THIN FILM. Surface Review and Letters, 2018, 25, 1850045.	1.1	1
31	Frontier Orbitals and Active Site of Polyphenol Molecules Epigallocatechin Gallate and Gallic Acid. Russian Journal of Physical Chemistry A, 2021, 95, 1857-1863.	0.6	0
32	Study on the Properties of Low-Dimensional NbAs Based on First Principles. Journal of Nanoelectronics and Optoelectronics, 2021, 16, 651-658.	0.5	0
33	Study on geometry and chemical activity of twisted cucurbit[13]uril based on density functional theory. Chemical Papers, 0, , 1.	2.2	0