Tang Yan-Lin

List of Publications by Year
in descending order

33	370	759233 12	839539 18
papers	citations	h-index	g-index

33	33	33	173
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Theoretical prediction of the structural, electronic and optical properties of vacancy-ordered double perovskites Tl2TiX6 (X = Cl, Br, I). Journal of Solid State Chemistry, 2022, 305, 122684.	2.9	10
2	First-principles calculations to investigate the structural, electronic and optical properties of lead-free double perovskites Rb2SeI6 and K2SeI6. Solar Energy, 2022, 231, 236-242.	6.1	27
3	Exploring the structural, electronic and optical properties of vacancy-ordered double perovskites Cs2TlAsX6 (X = I, Br, Cl) based on first-principles. Physics Letters, Section A: General, Atomic and Solid State Physics, 2022, 427, 127917.	2.1	18
4	Density functional theory investigation of the mechanical, electronic and optical properties of Pb-free vacancy-ordered double perovskites K2PdCl6 and K2PdBr6. Physica Scripta, 2022, 97, 015801.	2.5	3
5	Theoretical exploration of mechanical, electronic structure and optical properties of aluminium based double halide perovskite. RSC Advances, 2022, 12, 10209-10218.	3.6	11
6	Revealing structural, elastic, electronic and optical properties of potential perovskites K2CuBiX6 (X=Br, Cl) based on first-principles. Journal of Solid State Chemistry, 2022, 310, 123046.	2.9	9
7	Insights on structural, elastic, electronic and optical properties of double-perovskite halides Rb2CuBiX6 (X=Br, Cl). Journal of Physics and Chemistry of Solids, 2022, 167, 110791.	4.0	14
8	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
9	Study on mechanical, electronic and optical properties of Pb-free double halide perovskites In2TiX6 (X) Tj ETQq1 1 0.784314 rgBT /Ov	1.9	3
10	Ferromagnetic and Antiferromagnetic Properties of Perovskite Solar Cell Materials. Journal of Nanoelectronics and Optoelectronics, 2021, 16, 434-443.	0.5	3
11	First-principles study on the structural, electronic and optical properties of vacancy-ordered double perovskites Cs2PtI6 and Rb2PtI6. Optical Materials, 2021, 114, 110952.	3.6	34
12	Theoretical Study on the Carrier Mobility and Optical Properties of CsPbI₃ by DFT. ACS Omega, 2021, 6, 11545-11555.	3.5	41
13	First-principles calculations to investigate structural, elastic, electronic and optical properties of lead-free perovskite derivatives Cs2SeX6 (X=Cl, Br, I). Optical Materials, 2021, 119, 111316.	3.6	29
14	Frontier Orbitals and Đctive Site of Đ¢ea Đolyphenol Đœolecules Epigallocatechin Gallate and Gallocatechin Gallate. Russian Journal of Physical Chemistry A, 2021, 95, 1857-1863.	0.6	0
15	First-principles study on the structural, elastic, electronic and optical properties of lead-free double perovskites Cs2CuBiX6 (X I, Br, Cl). Materials Today Communications, 2021, 29, 102842.	1.9	16
16	First-principles study on the electronic and optical properties of the orthorhombic CsPbBr₃ and CsPbI₃ with Cmcm space group. New Journal of Chemistry, 2021, 45, 15857-15862.	2.8	16
17	Study on the Properties of Low-Dimensional NbAs Based on First Principles. Journal of Nanoelectronics and Optoelectronics, 2021, 16, 651-658.	0.5	0
18	Study on Electronic, Mechanical and Optical Properties of Perovskite Cs₂AgGaX₆ (X = Cl, Br). Journal of Nanoelectronics and Optoelectronics, 2021, 16, 1521-1527.	0.5	3

#	Article	IF	Citations
19	Study on the stability of organicâ€“inorganic perovskite solar cell materials based on first principle. Molecular Physics, 2020, 118, e1665200.	1.7	12
20	Quantum chemical investigations on spectral and dissociation properties of L-glutamic acid. Chemical Physics Letters, 2020, 738, 136865.	2.6	3
21	Identification of tea based on CARSâ€šWR variable optimization of visible/nearâ€infrared spectrum. Journal of the Science of Food and Agriculture, 2020, 100, 371-375.	3.5	14
22	Study on electronic structure and excitation characteristics of cyclo[18]carbon. Chemical Physics Letters, 2020, 741, 136975.	2.6	29
23	First-Principles Study on the Photoelectric Properties of CsGeI3 under Hydrostatic Pressure. Applied Sciences (Switzerland), 2020, 10, 5055.	2.5	19
24	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
25	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
26	Study on conductivity properties and stability of NbAs based on first-principles. Computational Materials Science, 2020, 181, 109731.	3.0	3
27	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
28	STUDY ON BAND STRUCTURE OF NANOPOROUS SILICON THIN FILM. Surface Review and Letters, 2018, 25, 1850045.	1.1	1
29	The energy band structure of Si and Ge nanolayers. Modern Physics Letters B, 2016, 30, 1650402.	1.9	1
30	Theoretical calculation of spectra of dibutyl phthalate and dioctyl phthalate. Russian Journal of Physical Chemistry A, 2014, 88, 819-822.	0.6	7
31	Nitrogen Contents of Rice Panicle and Paddy by Hyperspectral Remote Sensing. Pakistan Journal of Biological Sciences, 2007, 10, 4420-4425.	0.5	11
32	Study on geometry and chemical activity of twisted cucurbit[13]uril based on density functional theory. Chemical Papers, 0, , 1.	2.2	0
33	The first principle study of structural, mechanical, electronic and optical properties of double halide perovskite K₂Bl₆ (Bâ€‰=â€‰Ti, Zr and Hf). Molecular Physics, 0, , .	1.7	3