Yufeng Wen

List of Publications by Year
in descending order

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30 papers	269 citations	1039880 9 h-index	996849 15 g-index
30 all docs	30 docs citations	30 times ranked	270 citing authors

#	Article	IF	Citations
1	Pressure Effect on Elastic Constants and Related Properties of Ti3Al Intermetallic Compound: A First-Principles Study. Materials, 2018, 11, 2015.	1.3	46
2	Ab Initio Study of the Elastic and Mechanical Properties of B19 TiAl. Crystals, 2017, 7, 39.	1.0	35
3	Martensitic transformation from Î² to Î±â€² and Î±â€³ phases in Tiâ€“V alloys: A first-principles study. Journal of Materials Research, 2017, 32, 3183-3190.	1.2	32
4	Elastic Properties of Orthorhombic YBa2Cu3O7 under Pressure. Crystals, 2019, 9, 497.	1.0	22
5	A comparative first-principles study of tetragonal TiAl and Ti4Nb3Al9 intermetallic compounds. Intermetallics, 2018, 101, 72-80.	1.8	13
6	First-principles calculations of electronic, acoustic and anharmonic properties of Mn 2 RuZ (Zâ€¯=â€¯Si and) Tj ETQq0 0 0 rgBT /Overlock	1.0	11
7	The Third-Order Elastic Moduli and Debye Temperature of SrFe2As2 and BaFe2As2: a First-Principles Study. Journal of Superconductivity and Novel Magnetism, 2017, 30, 1749-1756.	0.8	10
8	Ab initio calculations of the mechanical and acoustic properties of Ti2-based Heusler alloys under pressures. European Physical Journal B, 2018, 91, 1.	0.6	10
9	Structural, Elastic, Electronic, and Magnetic Properties of a New Full-Heusler Alloy Mn2MgGe: First-Principles Calculations. Journal of Superconductivity and Novel Magnetism, 2019, 32, 3001-3008.	0.8	9
10	Enhancement of emission intensity in Ce³⁺â€activated aluminoborosilicate scintillating glass synthesized in air. Journal of the American Ceramic Society, 2020, 103, 768-772.	1.9	9
11	Computational discovery of the novel half-metallic full-Heusler alloys Mn2LiAs and Mn2LiSb. Journal of Magnetism and Magnetic Materials, 2020, 503, 166642.	1.0	8
12	First-principles predictions on structural, elastic and half-metallic properties of Fe 2 LiAs Heusler compound. Journal of Magnetism and Magnetic Materials, 2018, 458, 235-240.	1.0	6
13	A comparative first-principles study of orthorhombic and full-Heusler phases in Ti₂AlNb intermetallic. Materials Research Express, 2019, 6, 096510.	0.8	6
14	A first-principles study of displacive Î² to Ï‰ transition in Ti-V alloys. Progress in Natural Science: Materials International, 2017, 27, 703-708.	1.8	5
15	First-Principles Study of the Nonlinear Elasticity of Rare-Earth Hexaborides REB6 (RE = La, Ce). Crystals, 2017, 7, 320.	1.0	5
16	First-Principles Calculations of Acoustic and Anharmonic Properties of Ferromagnetic Cu2MnZ (Z =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.8	5
17	First-Principles Calculations of the Structure Stability and Mechanical Properties of LiFeAs and NaFeAs under Pressure. Advances in Materials Science and Engineering, 2018, 2018, 1-9.	1.0	5
18	First-Principle Calculations on the Structural, Mechanical, and Electronic Properties of Mn2RuSi and Mn2RuGe Under Pressure. Journal of Superconductivity and Novel Magnetism, 2018, 31, 3667-3677.	0.8	4

#	Article	IF	Citations
19	First-Principles Calculations of the Structural, Magnetic, and Electronic Properties of $$hbox {Fe}_{2}hbox {MgB}$$ Full-Heusler Alloy. Journal of Electronic Materials, 2019, 48, 7258-7262.	1.0	4
20	Two-step hydrothermal synthesis of (NH₄)_xWO₃ hollow spherical and hierarchical structures. CrystEngComm, 2021, 23, 1700-1703.	1.3	4
21	Temperature Effects on the Elastic Constants, Stacking Fault Energy and Twinnability of Ni3Si and Ni3Ge: A First-Principles Study. Crystals, 2018, 8, 364.	1.0	3
22	First-principles Predictions on Half-Metallic, Mechanical, and Acoustic Properties of CuHg2Ti-Type Mn2LiZ (Z=As, Sb) Compounds. Journal of Superconductivity and Novel Magnetism, 2020, 33, 1065-1072.	0.8	3
23	Firstâ€principles investigations on the groundâ€state bulk properties and lattice constant dependent halfâ€metallic ferrimagnetism of Mn 2 NbSi fullâ€Heusler compound. International Journal of Quantum Chemistry, 2021, 121, e26566.	1.0	3
24	The Structural Stability and Mechanical Properties of $$hbox {Cu}_{2}hbox {MnAl}$$ Cu 2 MnAl and $$hbox {Cu}_{2}hbox {MnIn}. Journal of Electronic Materials, 2018, 47, 3005-3017.	1.0	2
25	The Ideal Strengths of Superconducting MgCNi3 and CdCNi3. Journal of Superconductivity and Novel Magnetism, 2018, 31, 2355-2361.	0.8	2
26	First-Principles Calculations on Structural Property and Anisotropic Elasticity of Î³1-Ti4Nb3Al9 under Pressure. Materials, 2018, 11, 2025.	1.3	2
27	Investigation on the roll-to-plate imprinting of metallic surface micro dimples. Materials Research Express, 2022, 9, 026517.	0.8	2
28	Structural, elastic, and electronic properties of MgB 2 C 2 under pressure from firstâ€principles calculations. International Journal of Quantum Chemistry, 2021, 121, e26442.	1.0	1
29	ns2-containing vacancy-ordered double perovskites for optoelectronic applications: A first-principles investigation. Solid State Communications, 2021, 337, 114462.	0.9	1
30	Theoretical Study on the Structural, Elastic, Electronic and Thermodynamic Properties of Long-Period Superstructures h- and r-Al2Ti under High Pressure. Materials, 2022, 15, 4236.	1.3	1