# Yufeng Wen

## List of Publications by Citations



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|---|---|---|---|
| 28 papers | 145 citations | 7 h-index | 10 g-index |
| 30 ext. papers | 205 ext. citations | 2.3 avg, IF | 3.01 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 28 | Ab Initio Study of the Elastic and Mechanical Properties of B19 TiAl. *Crystals*, **2017**, 7, 39 | 2.3 | 24 |
| 27 | Pressure Effect on Elastic Constants and Related Properties of Ti2Al Intermetallic Compound: A First-Principles Study. *Materials*, **2018**, 11, | 3.5 | 17 |
| 26 | Martensitic transformation from to and phases in TiV alloys: A first-principles study. *Journal of Materials Research*, **2017**, 32, 3183-3190 | 2.5 | 15 |
| 25 | Elastic Properties of Orthorhombic YBa2Cu3O7 under Pressure. *Crystals*, **2019**, 9, 497 | 2.3 | 9 |
| 24 | First-principles calculations of electronic, acoustic and anharmonic properties of Mn2RuZ (Z = Si and Ge) Heusler compounds. *Journal of Magnetism and Magnetic Materials*, **2018**, 458, 268-276 | 2.8 | 8 |
| 23 | A comparative first-principles study of tetragonal TiAl and Ti4Nb3Al9 intermetallic compounds. *Intermetallics*, **2018**, 101, 72-80 | 3.5 | 8 |
| 22 | Ab initio calculations of the mechanical and acoustic properties of Ti2-based Heusler alloys under pressures. *European Physical Journal B*, **2018**, 91, 1 | 1.2 | 8 |
| 21 | 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 | 1.5 | 7 |
| 20 | 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 | 1.5 | 7 |
| 19 | Computational discovery of the novel half-metallic full-Heusler alloys Mn2LiAs and Mn2LiSb. *Journal of Magnetism and Magnetic Materials*, **2020**, 503, 166642 | 2.8 | 5 |
| 18 | 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 | 2.8 | 5 |
| 17 | A first-principles study of displacive to transition in Ti-V alloys. *Progress in Natural Science: Materials International*, **2017**, 27, 703-708 | 3.6 | 4 |
| 16 | First-Principles Calculations of Acoustic and Anharmonic Properties of Ferromagnetic Cu2MnZ (Z = Al and In) Heusler Alloys. *Journal of Superconductivity and Novel Magnetism*, **2018**, 31, 1847-1856 | 1.5 | 4 |
| 15 | 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 | 1.9 | 3 |
| 14 | First-Principles Study of the Nonlinear Elasticity of Rare-Earth Hexaborides REB6 (RE = La, Ce). *Crystals*, **2017**, 7, 320 | 2.3 | 3 |
| 13 | A comparative first-principles study of orthorhombic and full-Heusler phases in Ti2AlNb intermetallic. *Materials Research Express*, **2019**, 6, 096510 | 1.7 | 2 |
| 12 | The Ideal Strengths of Superconducting MgCNi3 and CdCNi3. *Journal of Superconductivity and Novel Magnetism*, **2018**, 31, 2355-2361 | 1.5 | 2 |

# List of Publications

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|---|---|---|---|
| 11 | 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 | 1.5 | 2 |
| 10 | Temperature Effects on the Elastic Constants, Stacking Fault Energy and Twinnability of Ni3Si and Ni3Ge: A First-Principles Study. *Crystals*, **2018**, 8, 364 | 2.3 | 2 |
| 9 | First-Principles Calculations on Structural Property and Anisotropic Elasticity of □TiNbAl□ under Pressure. *Materials*, **2018**, 11, | 3.5 | 2 |
| 8 | 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 | 1.5 | 2 |
| 7 | The Structural Stability and Mechanical Properties of (hbox {Cu}_{2}hbox {MnAl}) and (hbox {Cu}_{2}hbox {MnIn}) Under Pressure: First-Principles Study. *Journal of Electronic Materials*, **2018**, 47, 3005-3017 | 1.9 | 1 |
| 6 | Enhancement of emission intensity in Ce3+-activated aluminoborosilicate scintillating glass synthesized in air. *Journal of the American Ceramic Society*, **2020**, 103, 768-772 | 3.8 | 1 |
| 5 | 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 | 1.5 | 1 |
| 4 | Structural, elastic, and electronic properties of MgB2C2 under pressure from first-principles calculations. *International Journal of Quantum Chemistry*, **2021**, 121, e26442 | 2.1 | 1 |
| 3 | ns2-containing vacancy-ordered double perovskites for optoelectronic applications: A first-principles investigation. *Solid State Communications*, **2021**, 337, 114462 | 1.6 | 1 |
| 2 | Two-step hydrothermal synthesis of (NH4)xWO3 hollow spherical and hierarchical structures. *CrystEngComm*, **2021**, 23, 1700-1703 | 3.3 | 1 |
| 1 | First-principles investigations on the ground-state bulk properties and lattice constant dependent half-metallic ferrimagnetism of Mn2NbSi full-Heusler compound. *International Journal of Quantum Chemistry*, **2021**, 121, e26566 | 2.1 | 0 |