

# Yufeng Wen

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	First-principles investigations on the ground-state bulk properties and lattice constant dependent half-metallic ferrimagnetism of Mn <sub>2</sub> NbSi full-Heusler compound. <i>International Journal of Quantum Chemistry</i> , <b>2021</b> , 121, e26566	2.1	0
27	Structural, elastic, and electronic properties of MgB <sub>2</sub> C <sub>2</sub> under pressure from first-principles calculations. <i>International Journal of Quantum Chemistry</i> , <b>2021</b> , 121, e26442	2.1	1
26	ns <sub>2</sub> -containing vacancy-ordered double perovskites for optoelectronic applications: A first-principles investigation. <i>Solid State Communications</i> , <b>2021</b> , 337, 114462	1.6	1
25	Two-step hydrothermal synthesis of (NH <sub>4</sub> ) <sub>x</sub> WO <sub>3</sub> hollow spherical and hierarchical structures. <i>CrystEngComm</i> , <b>2021</b> , 23, 1700-1703	3.3	1
24	Computational discovery of the novel half-metallic full-Heusler alloys Mn <sub>2</sub> LiAs and Mn <sub>2</sub> LiSb. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2020</b> , 503, 166642	2.8	5
23	Enhancement of emission intensity in Ce <sup>3+</sup> -activated aluminoborosilicate scintillating glass synthesized in air. <i>Journal of the American Ceramic Society</i> , <b>2020</b> , 103, 768-772	3.8	1
22	First-principles Predictions on Half-Metallic, Mechanical, and Acoustic Properties of CuHg <sub>2</sub> Ti-Type Mn <sub>2</sub> LiZ (Z=As, Sb) Compounds. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2020</b> , 33, 1065-1072	1.5	1
21	A comparative first-principles study of orthorhombic and full-Heusler phases in Ti <sub>2</sub> AlNb intermetallic. <i>Materials Research Express</i> , <b>2019</b> , 6, 096510	1.7	2
20	Structural, Elastic, Electronic, and Magnetic Properties of a New Full-Heusler Alloy Mn <sub>2</sub> MgGe: First-Principles Calculations. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2019</b> , 32, 3001-3008	1.5	7
19	First-Principles Calculations of the Structural, Magnetic, and Electronic Properties of (hbox {Fe}_{2}hbox {MgB}) Full-Heusler Alloy. <i>Journal of Electronic Materials</i> , <b>2019</b> , 48, 7258-7262	1.9	3
18	Elastic Properties of Orthorhombic YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> under Pressure. <i>Crystals</i> , <b>2019</b> , 9, 497	2.3	9
17	The Structural Stability and Mechanical Properties of (hbox {Cu}_{2}hbox {MnAl}) and (hbox {Cu}_{2}hbox {MnIn}) Under Pressure: First-Principles Study. <i>Journal of Electronic Materials</i> , <b>2018</b> , 47, 3005-3017	1.9	1
16	The Ideal Strengths of Superconducting MgCNi <sub>3</sub> and CdCNi <sub>3</sub> . <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2018</b> , 31, 2355-2361	1.5	2
15	First-principles predictions on structural, elastic and half-metallic properties of Fe <sub>2</sub> LiAs Heusler compound. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2018</b> , 458, 235-240	2.8	5
14	First-principles calculations of electronic, acoustic and anharmonic properties of Mn <sub>2</sub> RuZ (Z = Si and Ge) Heusler compounds. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2018</b> , 458, 268-276	2.8	8
13	First-Principle Calculations on the Structural, Mechanical, and Electronic Properties of Mn <sub>2</sub> RuSi and Mn <sub>2</sub> RuGe Under Pressure. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2018</b> , 31, 3667-3677	1.5	2
12	A comparative first-principles study of tetragonal TiAl and Ti <sub>4</sub> Nb <sub>3</sub> Al <sub>9</sub> intermetallic compounds. <i>Intermetallics</i> , <b>2018</b> , 101, 72-80	3.5	8

11	First-Principles Calculations of Acoustic and Anharmonic Properties of Ferromagnetic Cu <sub>2</sub> MnZ (Z = Al and In) Heusler Alloys. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2018</b> , 31, 1847-1856	1.5	4
10	Temperature Effects on the Elastic Constants, Stacking Fault Energy and Twinnability of Ni <sub>3</sub> Si and Ni <sub>3</sub> Ge: A First-Principles Study. <i>Crystals</i> , <b>2018</b> , 8, 364	2.3	2
9	Pressure Effect on Elastic Constants and Related Properties of TiAl Intermetallic Compound: A First-Principles Study. <i>Materials</i> , <b>2018</b> , 11,	3.5	17
8	First-Principles Calculations on Structural Property and Anisotropic Elasticity of TiNiAl Under Pressure. <i>Materials</i> , <b>2018</b> , 11,	3.5	2
7	Ab initio calculations of the mechanical and acoustic properties of Ti <sub>2</sub> -based Heusler alloys under pressures. <i>European Physical Journal B</i> , <b>2018</b> , 91, 1	1.2	8
6	First-Principles Calculations of the Structure Stability and Mechanical Properties of LiFeAs and NaFeAs under Pressure. <i>Advances in Materials Science and Engineering</i> , <b>2018</b> , 2018, 1-9	1.5	2
5	Martensitic transformation from $\beta$ to $\beta'$ and $\beta''$ phases in TiV alloys: A first-principles study. <i>Journal of Materials Research</i> , <b>2017</b> , 32, 3183-3190	2.5	15
4	The Third-Order Elastic Moduli and Debye Temperature of SrFe <sub>2</sub> As <sub>2</sub> and BaFe <sub>2</sub> As <sub>2</sub> : a First-Principles Study. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2017</b> , 30, 1749-1756	1.5	7
3	A first-principles study of displacive $\beta$ to $\beta'$ transition in Ti-V alloys. <i>Progress in Natural Science: Materials International</i> , <b>2017</b> , 27, 703-708	3.6	4
2	Ab Initio Study of the Elastic and Mechanical Properties of B19 TiAl. <i>Crystals</i> , <b>2017</b> , 7, 39	2.3	24
1	First-Principles Study of the Nonlinear Elasticity of Rare-Earth Hexaborides REB <sub>6</sub> (RE = La, Ce). <i>Crystals</i> , <b>2017</b> , 7, 320	2.3	3