

Renhai Wang

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

108
citations

1684188

5
h-index

1372567

10
g-index

13
all docs

13
docs citations

13
times ranked

107
citing authors

#	ARTICLE	IF	CITATIONS
1	Predicting magnetic anisotropy energies using site-specific spin-orbit coupling energies and machine learning: Application to iron-cobalt nitrides. <i>Physical Review Materials</i> , 2022, 6, .	2.4	3
2	Structure and motifs of iron oxides from 1 to 3 TPa. <i>Physical Review Materials</i> , 2022, 6, .	2.4	1
3	Topochemical Deintercalation of Li from Layered LiNiB: toward 2D MBene. <i>Journal of the American Chemical Society</i> , 2021, 143, 4213-4223.	13.7	28
4	Ternary Zinc Antimonides Unlocked Using Hydride Synthesis. <i>Inorganic Chemistry</i> , 2021, 60, 10686-10697.	4.0	6
5	How to Look for Compounds: Predictive Screening and inâ€...situ Studies in NaâˆZnâˆBi System. <i>Chemistry - A European Journal</i> , 2021, 27, 15954-15966.	3.3	4
6	Unconventional iron-magnesium compounds at terapascal pressures. <i>Physical Review B</i> , 2021, 104, .	3.2	3
7	Stabilizing the crystal structures of NaFePO ₄ with Li substitutions. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 13975-13980.	2.8	8
8	Theoretical search for possible Liâ€Niâ€B crystal structures using an adaptive genetic algorithm. <i>Journal of Applied Physics</i> , 2020, 127, .	2.5	8
9	Discovering rare-earth-free magnetic materials through the development of a database. <i>Physical Review Materials</i> , 2020, 4, .	2.4	11
10	Computationally Driven Discovery of a Family of Layered LiNiB Polymorphs. <i>Angewandte Chemie</i> , 2019, 131, 16002-16009.	2.0	5
11	Computationally Driven Discovery of a Family of Layered LiNiB Polymorphs. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 15855-15862.	13.8	24
12	Theoretical prediction of a highly responsive material: Spin fluctuations and superconductivity in FeNiB ₂ system. <i>Applied Physics Letters</i> , 2019, 115, 182601.	3.3	4
13	Path Less Traveled: A Contemporary Twist on Synthesis and Traditional Structure Solution of Metastable LiNi ₁₂ B ₈ . <i>ACS Materials Au</i> , 0, , .	6.0	3