

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