

Yuzhu Song

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

789
citations

567281

15
h-index

526287

27
g-index

28
all docs

28
docs citations

28
times ranked

672
citing authors

#	ARTICLE	IF	CITATIONS
1	Tuning thermal expansion from strong negative to zero to positive in Cu ₂ -Zn P ₂ O ₇ solid solutions. <i>Scripta Materialia</i> , 2022, 207, 114289.	5.2	6
2	Design of zero thermal expansion and high thermal conductivity in machinable xLFCS/Cu metal matrix composites. <i>Composites Part B: Engineering</i> , 2022, 238, 109883.	12.0	15
3	Unveiling the Complementary Manganese and Oxygen Redox Chemistry for Stabilizing the Sodium-ion Storage Behaviors of Layered Oxide Cathodes. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	34
4	Superconductivity in Co-Layered LaCoSi. <i>Inorganic Chemistry</i> , 2021, 60, 6157-6161.	4.0	15
5	Negative thermal expansion in YbMn ₂ Ge ₂ induced by the dual effect of magnetism and valence transition. <i>Npj Quantum Materials</i> , 2021, 6, .	5.2	14
6	Negative thermal expansion in magnetic materials. <i>Progress in Materials Science</i> , 2021, 121, 100835.	32.8	62
7	Correlation of Tunable CoSi ₄ Tetrahedron with the Superconducting Properties of LaCoSi. <i>Inorganic Chemistry</i> , 2021, 60, 10880-10884.	4.0	2
8	Realization of high thermal conductivity and tunable thermal expansion in the ScF ₃ @Cu core-shell composites. <i>Science China Technological Sciences</i> , 2021, 64, 2057-2065.	4.0	5
9	Negative thermal expansion in framework structure materials. <i>Coordination Chemistry Reviews</i> , 2021, 449, 214204.	18.8	59
10	The critical role of spin rotation in the giant magnetostriction of La(Fe,Al) ₁₃ . <i>Science China Materials</i> , 2021, 64, 1238-1245.	6.3	4
11	Negative thermal expansion in (Sc,Ti)Fe ₂ induced by an unconventional magnetovolume effect. <i>Materials Horizons</i> , 2020, 7, 275-281.	12.2	34
12	Magnetic structure and uniaxial negative thermal expansion in antiferromagnetic CrSb. <i>Dalton Transactions</i> , 2020, 49, 17605-17611.	3.3	4
13	Magnetic-Field-Induced Strong Negative Thermal Expansion in La(Fe,Al) ₁₃ . <i>Chemistry of Materials</i> , 2020, 32, 7535-7541.	6.7	16
14	Achieving High Performances of Ultra-Low Thermal Expansion and High Thermal Conductivity in 0.5PbTiO ₃ -0.5(Bi _{0.9} La _{0.1})FeO ₃ @Cu Core-Shell Composite. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 57228-57234.	8.0	17
15	Urchin-Like Fe ₃ Se ₄ Hierarchitectures: A Novel Pseudocapacitive Sodium-ion Storage Anode with Prominent Rate and Cycling Properties. <i>Small</i> , 2020, 16, e2000504.	10.0	39
16	A Novel NASICON-Type Na ₄ MnCr(PO ₄) ₃ Demonstrating the Energy Density Record of Phosphate Cathodes for Sodium-ion Batteries. <i>Advanced Materials</i> , 2020, 32, e1906348.	21.0	142
17	Transforming Thermal Expansion from Positive to Negative: The Case of Cubic Magnetic Compounds of (Zr,Nb)Fe ₂ . <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 1954-1961.	4.6	19
18	Near-zero temperature coefficient of resistivity in LaFe _{9.45} Al _{3.55} compound over 5-300 K. <i>Applied Physics Letters</i> , 2020, 116, 171901.	3.3	2

#	ARTICLE	IF	CITATIONS
19	Complicated magnetic structure and its strong correlation with the anomalous Hall effect in Mn_3Mg_2Sb . Physical Review B, 2020, 101, .	3.2	17
20	Understanding the superior sodium-ion storage in a novel $Na_{3.5}Mn_{0.5}V_{1.5}(PO_4)_3$ cathode. Energy Storage Materials, 2019, 23, 25-34.	18.0	81
21	Adjustable Magnetic Phase Transition Inducing Unusual Zero Thermal Expansion in Cubic RCo_2 -Based Intermetallic Compounds (R = Rare Earth). Inorganic Chemistry, 2019, 58, 5401-5405.	4.0	19
22	Negative Thermal Expansion in $(Hf,Ti)Fe_2$ Induced by the Ferromagnetic and Antiferromagnetic Phase Coexistence. Inorganic Chemistry, 2019, 58, 5380-5383.	4.0	14
23	Controllable thermal expansion and magnetic structure in $Er_2(Fe,Co)_{14}B$ intermetallic compounds. Inorganic Chemistry Frontiers, 2019, 6, 3225-3229.	6.0	15
24	Zero Thermal Expansion in Magnetic and Metallic $Tb(Co,Fe)_2$ Intermetallic Compounds. Journal of the American Chemical Society, 2018, 140, 602-605.	13.7	87
25	Opposite Thermal Expansion in Isostructural Noncollinear Antiferromagnetic Compounds of Mn_3A (A = Ge and Sn). Chemistry of Materials, 2018, 30, 6236-6241.	6.7	23
26	Zero thermal expansion in cubic $MgZrF_6$. Journal of the American Ceramic Society, 2017, 100, 5385-5388.	3.8	17
27	Structure, Magnetism, and Tunable Negative Thermal Expansion in $(Hf,Nb)Fe_2$ Alloys. Chemistry of Materials, 2017, 29, 7078-7082.	6.7	27
28	Biaxial negative thermal expansion in $Zn[N(CN)_2]_2$. Inorganic Chemistry Frontiers, 0, , .	6.0	0