

Yuzhu Song

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	A Novel NASICON-Type $\text{Na}_4\text{MnCr}(\text{PO}_4)_3$ Demonstrating the Energy Density Record of Phosphate Cathodes for Sodium-Ion Batteries. <i>Advanced Materials</i> , 2020, 32, e1906348.	21.0	142
2	Zero Thermal Expansion in Magnetic and Metallic $\text{Tb}(\text{Co,Fe})_2$ Intermetallic Compounds. <i>Journal of the American Chemical Society</i> , 2018, 140, 602-605.	13.7	87
3	Understanding the superior sodium-ion storage in a novel $\text{Na}_{3.5}\text{Mn}_0.5\text{V}_{1.5}(\text{PO}_4)_3$ cathode. <i>Energy Storage Materials</i> , 2019, 23, 25-34.	18.0	81
4	Negative thermal expansion in magnetic materials. <i>Progress in Materials Science</i> , 2021, 121, 100835.	32.8	62
5	Negative thermal expansion in framework structure materials. <i>Coordination Chemistry Reviews</i> , 2021, 449, 214204.	18.8	59
6	Urchin-Like Fe_3Se_4 Hierarchitectures: A Novel Pseudocapacitive Sodium-Ion Storage Anode with Prominent Rate and Cycling Properties. <i>Small</i> , 2020, 16, e2000504.	10.0	39
7	Negative thermal expansion in $(\text{Sc,Ti})\text{Fe}_2$ induced by an unconventional magnetovolume effect. <i>Materials Horizons</i> , 2020, 7, 275-281.	12.2	34
8	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
9	Structure, Magnetism, and Tunable Negative Thermal Expansion in $(\text{Hf,Nb})\text{Fe}_2$ Alloys. <i>Chemistry of Materials</i> , 2017, 29, 7078-7082.	6.7	27
10	Opposite Thermal Expansion in Isostructural Noncollinear Antiferromagnetic Compounds of Mn_3A (A = Ge and Sn). <i>Chemistry of Materials</i> , 2018, 30, 6236-6241.	6.7	23
11	Adjustable Magnetic Phase Transition Inducing Unusual Zero Thermal Expansion in Cubic RCo_2 -Based Intermetallic Compounds (R = Rare Earth). <i>Inorganic Chemistry</i> , 2019, 58, 5401-5405.	4.0	19
12	Transforming Thermal Expansion from Positive to Negative: The Case of Cubic Magnetic Compounds of $(\text{Zr,Nb})\text{Fe}_2$. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 1954-1961.	4.6	19
13	Zero thermal expansion in cubic MgZrF_6 . <i>Journal of the American Ceramic Society</i> , 2017, 100, 5385-5388.	3.8	17
14	Achieving High Performances of Ultra-Low Thermal Expansion and High Thermal Conductivity in $0.5\text{PbTiO}_3-0.5(\text{Bi}_{0.9}\text{La}_{0.1})\text{FeO}_3$ @Cu Core-Shell Composite. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 57228-57234.	8.0	17
15	Complicated magnetic structure and its strong correlation with the anomalous Hall effect in Mn_3P . <i>Physical Review B</i> , 2020, 101, .	3.2	17
16	Magnetic-Field-Induced Strong Negative Thermal Expansion in $\text{La}(\text{Fe,Al})_{13}$. <i>Chemistry of Materials</i> , 2020, 32, 7535-7541.	6.7	16
17	Controllable thermal expansion and magnetic structure in $\text{Er}_2(\text{Fe,Co})_{14}\text{B}$ intermetallic compounds. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 3225-3229.	6.0	15
18	Superconductivity in Co-Layered LaCoSi . <i>Inorganic Chemistry</i> , 2021, 60, 6157-6161.	4.0	15

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19	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
20	Negative Thermal Expansion in (Hf,Ti)Fe ₂ Induced by the Ferromagnetic and Antiferromagnetic Phase Coexistence. <i>Inorganic Chemistry</i> , 2019, 58, 5380-5383.	4.0	14
21	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
22	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
23	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
24	Magnetic structure and uniaxial negative thermal expansion in antiferromagnetic CrSb. <i>Dalton Transactions</i> , 2020, 49, 17605-17611.	3.3	4
25	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
26	Near-zero temperature coefficient of resistivity in LaFe _{9.45} Al _{3.55} compound over 5â€“300â€“K. <i>Applied Physics Letters</i> , 2020, 116, 171901.	3.3	2
27	Correlation of Tunable CoSi ₄ Tetrahedron with the Superconducting Properties of LaCoSi. <i>Inorganic Chemistry</i> , 2021, 60, 10880-10884.	4.0	2
28	Biaxial negative thermal expansion in Zn[N(CN) ₂] ₂ . <i>Inorganic Chemistry Frontiers</i> , 0, , .	6.0	0