

Kun Lin

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.

56
papers

689
citations

15
h-index

24
g-index

66
ext. papers

941
ext. citations

9
avg, IF

3.86
L-index

#	Paper	IF	Citations
56	Influences of manganese content and heat treatment on mechanical properties of precipitation-strengthened steels. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022 , 837, 142724	5.3	0
55	Semi-empirical estimation for enhancing negative thermal expansion in PbTiO ₃ -based perovskites. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2022 , 29, 783-786	3.1	1
54	Enhanced ferroelectricity in NaNbO ₃ /BaCoO ₃ :Mn epitaxial thin film. <i>Inorganic Chemistry Frontiers</i> , 2021 , 8, 5124-5129	6.8	1
53	Strong Coupling of Magnetism and Lattice Induces Near-Zero Thermal Expansion over Broad Temperature Windows in ErFe ₁₀ V ₂ Mo _x Compounds. <i>CCS Chemistry</i> , 2021 , 3, 1009-1015	7.2	6
52	Chemical-Pressure-Modulated BaTiO ₃ Thin Films with Large Spontaneous Polarization and High Curie Temperature. <i>Journal of the American Chemical Society</i> , 2021 , 143, 6491-6497	16.4	14
51	Zero Thermal Expansion and Strong Covalent Binding of VB Compound. <i>Inorganic Chemistry</i> , 2021 , 60, 10095-10099	5.1	1
50	Ultrawide Temperature Range Super-Invar Behavior of R ₂ (Fe,Co) ₁₇ Materials (R = Rare Earth). <i>Physical Review Letters</i> , 2021 , 127, 055501	7.4	3
49	Plastic and low-cost axial zero thermal expansion alloy by a natural dual-phase composite. <i>Nature Communications</i> , 2021 , 12, 4701	17.4	4
48	The multiferroics in (111)-orientated PbTiO ₃ /Fe ₂ O ₃ nanocomposite thin film. <i>Journal Physics D: Applied Physics</i> , 2020 , 53, 344001	3	3
47	Large nonlinear optical effect in tungsten bronze structures via Li/Na cross-substitutions. <i>Chemical Communications</i> , 2020 , 56, 8384-8387	5.8	1
46	Strong Second Harmonic Generation in a Tungsten Bronze Oxide by Enhancing Local Structural Distortion. <i>Journal of the American Chemical Society</i> , 2020 , 142, 7480-7486	16.4	18
45	Structural Distortion and Dielectric Permittivities of KCoO-Type Layered Nitrides CaSrTiN. <i>Inorganic Chemistry</i> , 2020 , 59, 9693-9698	5.1	0
44	Evidence of the enhanced negative thermal expansion in (1-x)PbTiO ₃ -xBi(Zn _{2/3} Ta _{1/3})O ₃ . <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 1284-1288	6.8	4
43	An intriguing intermediate state as a bridge between antiferroelectric and ferroelectric perovskites. <i>Materials Horizons</i> , 2020 , 7, 1912-1918	14.4	16
42	Manipulating Spin Alignments of (Y,Lu)Fe Intermetallic Compounds via Unusual Thermal Pressure. <i>Inorganic Chemistry</i> , 2020 , 59, 5247-5251	5.1	3
41	Electric-field-induced structure and domain texture evolution in PbZrO ₃ -based antiferroelectric by in-situ high-energy synchrotron X-ray diffraction. <i>Acta Materialia</i> , 2020 , 184, 41-49	8.4	17
40	Effect of carbon on the microstructure and element distribution in Ti ₄₂ Al ₅ Mn alloy. <i>Materials Science and Technology</i> , 2020 , 36, 1883-1892	1.5	

39	Negative-Pressure-Induced Large Polarization in Nanosized PbTiO. <i>Advanced Materials</i> , 2020 , 32, e2002968	2.4	7
38	High performance and low thermal expansion in Er-Fe-V-Mo dual-phase alloys. <i>Acta Materialia</i> , 2020 , 198, 271-280	8.4	8
37	Role of "Dumbbell" Pairs of Fe in Spin Alignments and Negative Thermal Expansion of LuFe-Based Intermetallic Compounds. <i>Inorganic Chemistry</i> , 2020 , 59, 11228-11232	5.1	4
36	Strong Covalent Bonding for Enhanced Negative Thermal Expansion in $(1-x)\text{PbTiO}_3-x\text{BiGaO}_3$. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 20445-20449	3.8	3
35	A case of multifunctional intermetallic compounds: negative thermal expansion coupling with magnetocaloric effect in $(\text{Gd,Ho})(\text{Co,Fe})_2$. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 3146-3151	6.8	4
34	Neutron Diffraction Study of Unusual Magnetic Behaviors in the HoFeAl Intermetallic Compound. <i>Inorganic Chemistry</i> , 2019 , 58, 13742-13745	5.1	5
33	Adjustable Magnetic Phase Transition Inducing Unusual Zero Thermal Expansion in Cubic RCo-Based Intermetallic Compounds (R = Rare Earth). <i>Inorganic Chemistry</i> , 2019 , 58, 5401-5405	5.1	6
32	Tunable thermal expansion and high hardness of $(0.9-x)\text{PbTiO}_3-x\text{CaTiO}_3-0.1\text{Bi}(\text{Zn}_2/3\text{Ta}_1/3)\text{O}_3$ ceramics. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 1068-1072	6.8	3
31	Inorganic-organic hybridization induced uniaxial zero thermal expansion in MCO (M = Ba, Pb). <i>Chemical Communications</i> , 2019 , 55, 4107-4110	5.8	8
30	Negative Thermal Expansion in $(\text{Hf,Ti})\text{Fe}$ Induced by the Ferromagnetic and Antiferromagnetic Phase Coexistence. <i>Inorganic Chemistry</i> , 2019 , 58, 5380-5383	5.1	7
29	CoFe_2O_4 Layered Double Hydroxide: A New Cathode Material for High-Performance Chloride Ion Batteries. <i>Advanced Functional Materials</i> , 2019 , 29, 1900983	15.6	31
28	Negative thermal expansion in molecular materials. <i>Chemical Communications</i> , 2018 , 54, 5164-5176	5.8	63
27	Structure and Phase Transformation in the Giant Magnetostriction Laves-Phase SmFe_2 . <i>Inorganic Chemistry</i> , 2018 , 57, 689-694	5.1	15
26	Zero Thermal Expansion in Magnetic and Metallic $\text{Tb}(\text{Co,Fe})$ Intermetallic Compounds. <i>Journal of the American Chemical Society</i> , 2018 , 140, 602-605	16.4	54
25	Identifying the Emission Centers and Probing the Mechanism for Highly Efficient and Thermally Stable Luminescence in the $\text{La}_3\text{Si}_6\text{N}_{11}:\text{Ce}^{3+}$ Phosphor. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 7849-7858	2.8	32
24	Defect dipole-induced domain reorientation of $\text{NdFeO}_3/\text{PbTiO}_3$ thin films. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 1156-1161	6.8	2
23	3D negative thermal expansion in orthorhombic MIL-68(In). <i>Chemical Communications</i> , 2018 , 54, 5712-5715	5.8	21
22	Twin Crystal Induced near Zero Thermal Expansion in SnO Nanowires. <i>Journal of the American Chemical Society</i> , 2018 , 140, 7403-7406	16.4	21

21	Tailoring Negative Thermal Expansion in Ferroelectric Sn ₂ P ₂ S ₆ by Lone-Pair Cations. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 1832-1837	3.8	4
20	Iron vacancy in tetragonal FeS crystals and its effect on the structure and superconductivity. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 9000-9006	3.6	13
19	KFeCuTe: a new compound to study the removal of interstitial Fe in layered tellurides. <i>Dalton Transactions</i> , 2017 , 46, 3649-3654	4.3	11
18	Tunable thermal expansion in framework materials through redox intercalation. <i>Nature Communications</i> , 2017 , 8, 14441	17.4	76
17	Site occupancy and photoluminescence tuning of La ₃ Si _{6-x} Al _x N _{11-x/3} :Ce ³⁺ phosphors for high power white light-emitting diodes. <i>CrystEngComm</i> , 2017 , 19, 2836-2843	3.3	10
16	Anomalous dispersion X-ray diffraction study of Pb/Bi ordering/disordering states in PbTiO ₃ -based perovskite oxides. <i>Dalton Transactions</i> , 2017 , 46, 733-738	4.3	1
15	Giant Polarization and High Temperature Monoclinic Phase in a Lead-Free Perovskite of Bi(ZnTi)O-BiFeO. <i>Inorganic Chemistry</i> , 2016 , 55, 9513-9516	5.1	8
14	Large negative thermal expansion in non-perovskite lead-free ferroelectric Sn ₂ P ₂ S ₆ . <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 6247-51	3.6	19
13	Phase transition and negative thermal expansion in orthorhombic Dy ₂ W ₃ O ₁₂ . <i>RSC Advances</i> , 2016 , 6, 96275-96280	3.7	8
12	Thermal Expansion and Second Harmonic Generation Response of the Tungsten Bronze Pb ₂ AgNb ₅ O ₁₅ . <i>Inorganic Chemistry</i> , 2016 , 55, 2864-9	5.1	6
11	Structure and control of negative thermal expansion of Nd/Sm substituted 0.5PbTiO ₃ 0.5BiFeO ₃ ferroelectrics. <i>RSC Advances</i> , 2016 , 6, 32979-32982	3.7	3
10	Thermal Expansion Anomaly in TTB Ferroelectrics: The Interplay between Framework Structure and Electric Polarization. <i>Inorganic Chemistry</i> , 2016 , 55, 8130-9	5.1	11
9	Effect of Y ³⁺ on the local structure and luminescent properties of La _{3-x} Y _x Si ₆ N ₁₁ :Ce ³⁺ phosphors for high power LED lighting. <i>RSC Advances</i> , 2016 , 6, 77059-77065	3.7	16
8	Structure and oxide ion conductivity in tetragonal tungsten bronze BaBiNb ₅ O ₁₅ . <i>RSC Advances</i> , 2015 , 5, 71890-71895	3.7	10
7	Unusual Strong Incommensurate Modulation in a Tungsten-Bronze-Type Relaxor PbBiNb ₅ O ₁₅ . <i>Journal of the American Chemical Society</i> , 2015 , 137, 13468-71	16.4	30
6	Structure and electrical properties of tetragonal tungsten bronze Ba ₂ CeFeNb ₄ O ₁₅ . <i>RSC Advances</i> , 2015 , 5, 76957-76962	3.7	12
5	Cation deficiency effect on negative thermal expansion of ferroelectric PbTiO ₃ . <i>Inorganic Chemistry Frontiers</i> , 2015 , 2, 1091-1094	6.8	7
4	Structure and thermal expansion of the tungsten bronze Pb ₂ Nb ₅ O ₁₅ . <i>Dalton Transactions</i> , 2014 , 43, 7037-43	4.3	24

- 3 Ordered structure and thermal expansion in tungsten bronze $\text{Pb}_{1-x}\text{Li}_x\text{Nb}_2\text{O}_{10}$. *Inorganic Chemistry*, **2014**, 53, 9174-80 5.1 23
- 2 Two-dimensional zero thermal expansion in low-cost $\text{Mn}_x\text{Fe}_{5-x}\text{Si}_3$ alloys via integrating crystallographic texture and magneto-volume effect. *Science China Materials*, 1 7.1
- 1 Ferroelectric thin films: performance modulation and application. *Materials Advances*, 3.3 1