Jing Feng

List of Publications by Year
in descending order

170	5,023	94433	128289
papers	citations	37 h-index	60 g-index

173	173	173	4354
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Precious metal nanoparticles dispersing toward highly enhanced mechanical and thermoelectric properties of copper sulfides. Journal of Alloys and Compounds, 2022, 892, 162035.	5.5	9
2	High thermoelectric properties realized in earth abundant Bi2S3 bulk materials via Se and Cl co-doping in solution synthesis process. Journal of Materials Science and Technology, 2022, 100, 51-58.	10.7	21
3	Enhanced thermoelectric performance of Cu1.8S via lattice softening. Chemical Engineering Journal, 2022, 428, 131153.	12.7	15
4	Synergistically enhanced thermoelectric properties of Bi2S3 bulk materials via Cu interstitial doping and BiCl3 alloying. Rare Metals, 2022, 41, 931-941.	7.1	20
5	Structure and enhanced thermoelectric properties of InGaO3(ZnO)m (m=1, 2, 3, 4, and 5) ceramics. Journal of the European Ceramic Society, 2022, 42, 485-489.	5.7	4
6	Lattice stability, mechanical and thermal properties of a new class of multicomponent (Fe, Mo, W)6C Î· carbides with different atomic site configurations. Ceramics International, 2022, 48, 5107-5118.	4.8	8
7	Microstructure and performance of YTaO4 coating deposited by atmospheric plasma spraying on TC4 titanium alloy surface. Surface and Coatings Technology, 2022, 431, 128004.	4.8	22
8	Ligand-Induced Nucleation Growth Kinetics of CdTe QDs: Implications for White-Light-Emitting Diodes. ACS Applied Nano Materials, 2022, 5, 401-410.	5.0	3
9	In situ phase transition induced TMâ€“MoC/Mo₂C (TM= Fe, Co, Ni, and Cu) heterostructure catalysts for efficient hydrogen evolution. Journal of Materials Chemistry A, 2022, 10, 10493-10502.	10.3	20
10	Atomicâ€Scale Observation of Offâ€Centering Rattlers in Filled Skutterudites. Advanced Energy Materials, 2022, 12, .	19.5	8
11	Synthesis and thermophysical properties of ATa₂O₆ (AÂ=ÂCo, Ni,) Tj ETQq1 1 0.784314 rgBT /O 4840-4858.	3.8	10
12	High-entropy perovskite RETa3O9 ceramics for high-temperature environmental/thermal barrier coatings. Journal of Advanced Ceramics, 2022, 11, 556-569.	17.4	69
13	Effects of different LaCl3 doping processes on the thermoelectric properties of SnSe bulk materials. Journal of Solid State Chemistry, 2022, 310, 123037.	2.9	6
14	Sintering, thermal expansion, and thermal transport properties of A4Ta2O9 (A= Ca, Mg) tantalates. Ceramics International, 2022, 48, 23397-23403.	4.8	2
15	Excellent thermoelectric properties and stability realized in copper sulfides based composites via complex nanostructuring. Acta Materialia, 2022, 233, 117972.	7.9	12
16	Changes of alloying elements on elasticity and solid solution strengthening of Î±-Ti alloys: a comprehensive high-throughput first-principles calculations. Rare Metals, 2022, 41, 2719-2731.	7.1	13
17	Design of Fe2B-based ductile high temperature ceramics: First-principles calculations and experimental validation. Ceramics International, 2022, 48, 27163-27173.	4.8	11
18	Origins of high fracture toughness and glassâ€like thermal conductivity in Zrâ€“Taâ€“O composites. Journal of the American Ceramic Society, 2022, 105, 6508-6516.	3.8	4

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19	Progress in ceramic materials and structure design toward advanced thermal barrier coatings. Journal of Advanced Ceramics, 2022, 11, 985-1068.	17.4	135
20	Highly enhanced thermoelectric properties of Bi2S3 via (Se, Cl)-co doping in hydrothermal synthesis process. Journal of Alloys and Compounds, 2022, 922, 166252.	5.5	5
21	Synergistic modulation of electrical and thermal properties of Cu1.8S bulk materials via nanostructuring and band engineering. Journal of Alloys and Compounds, 2021, 852, 156972.	5.5	6
22	Simultaneous enhancement of thermoelectric performance and mechanical properties in Bi2Te3 via Ru compositing. Chemical Engineering Journal, 2021, 407, 126407.	12.7	59
23	Potential thermal barrier coating materials: RE2FeTaO7 (REÂ= Y, Eu, Gd, Dy) compounds. Journal of Alloys and Compounds, 2021, 855, 157408.	5.5	12
24	Features of crystal structures and thermoâ€•mechanical properties of weberites RE₃NbO₇ (RE=La, Nd, Sm, Eu, Gd) ceramics. Journal of the American Ceramic Society, 2021, 104, 404-412.	3.8	22
25	Excellent thermoelectric performance achieved in Bi₂Te₃/Bi₂S₃@Bi nanocomposites. Chemical Communications, 2021, 57, 2555-2558.	4.1	14
26	Tunable ultra-uniform Cs₄PbBr₆ perovskites with efficient photoluminescence and excellent stability for high-performance white light-emitting diodes. Journal of Materials Chemistry C, 2021, 9, 12811-12818.	5.5	4
27	Multivariant ligands stabilize anionic solvent-oriented Î±-CsPbX₃nanocrystals at room temperature. Nanoscale, 2021, 13, 4899-4910.	5.6	9
28	Investigation on the photoluminescence and thermoluminescence of BaGa₂O₄:Bi³⁺ at extremely low temperatures. Journal of Materials Chemistry C, 2021, 9, 1786-1793.	5.5	18
29	Engineering Cu_{2â^'x}S-conjugated upconverting nanocomposites for NIR-II light-induced enhanced chemodynamic/photothermal therapy of cancer. Journal of Materials Chemistry B, 2021, 9, 7216-7228.	5.8	9
30	Achieved limit thermal conductivity and enhancements of mechanical properties in fluorite RE3NbO7 via entropy engineering. Applied Physics Letters, 2021, 118, .	3.3	19
31	Numerical Optimization for the Geometric Configuration of Ceramics Perform in HCCI/ZTAP Wear-Resistant Composites Based on Actual Particle Model. Nanoscale Research Letters, 2021, 16, 71.	5.7	0
32	Investigation of thermophysical properties of ZrO2-Sm3TaO7 ceramics. Journal of Asian Ceramic Societies, 2021, 9, 629-638.	2.3	4
33	Correlation analysis of materials properties by machine learning: illustrated with stacking fault energy from first-principles calculations in dilute fcc-based alloys. Journal of Physics Condensed Matter, 2021, 33, 295702.	1.8	13
34	Highâ€•entropy ferroelastic rareâ€•earth tantalite ceramic: (Y_{0.2}Ce_{0.2}Sm_{0.2}Gd_{0.2}Dy_{0.2})TaO₄ Journal of the American Ceramic Society, 2021, 104, 5873-5882.	3.8	49
35	Near-Infrared-Light-Responsive Copper Oxide Nanoparticles as Efficient Theranostic Nanoagents for Photothermal Tumor Ablation. ACS Applied Bio Materials, 2021, 4, 5266-5275.	4.6	12
36	Realizing High Thermoelectric Performance in Earthâ€•Abundant Bi₂S₃ Bulk Materials via Halogen Acid Modulation. Advanced Functional Materials, 2021, 31, 2102838.	14.9	27

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37	Probing the mechanical properties of ordered and disordered Pt-Ir alloys by first-principles calculations. Physics Letters, Section A: General, Atomic and Solid State Physics, 2021, 405, 127424.	2.1	17
38	Firstâ€principles study of thermophysical properties of polymorphous YTaO₄ ceramics. Journal of the American Ceramic Society, 2021, 104, 6467-6480.	3.8	20
39	Structures, and Thermophysical Properties Characterizations of (La1-xHox)3NbO7 Solid Solutions as Thermal Barrier Coatings. Frontiers in Materials, 2021, 8, .	2.4	0
40	Multiphonon scattering mechanisms to limit thermal conductivity in weberite RE3NbO7: A case study of (La1-xGdx)3NbO7 ceramics. Ceramics International, 2021, 47, 23222-23233.	4.8	6
41	Achievement of Excellent Thermoelectric Properties in Cuâ€“Seâ€“S Compounds via In Situ Phase Separation. Inorganic Chemistry, 2021, 60, 13269-13277.	4.0	7
42	Highly Enhanced Thermoelectric and Mechanical Properties of Bi-Sb-Te Compounds by Carrier Modulation and Microstructure Adjustment. ACS Applied Materials & Interfaces, 2021, 13, 45589-45599.	8.0	10
43	Realizing High Thermoelectric Performance in Earthâ€Abundant Bi₂S₃ Bulk Materials via Halogen Acid Modulation (Adv. Funct. Mater. 37/2021). Advanced Functional Materials, 2021, 31, 2170277.	14.9	2
44	Ultralow lattice thermal conductivity and enhanced power generation efficiency realized in Bi2Te2.7Se0.3/Bi2S3 nanocomposites. Acta Materialia, 2021, 218, 117230.	7.9	45
45	Kust-I: a high-performance two-dimensional graphene-based material for seawater desalination. Journal of Materials Chemistry A, 2021, 9, 21158-21166.	10.3	18
46	One-step conversion of CsPbBr₃ into Cs₄PbBr₆/CsPbBr₃@Ta₂O₅ coreâ€“shell microcrystals with enhanced stability and photoluminescence. Journal of Materials Chemistry C, 2021, 9, 1228-1234.	5.5	14
47	Selenium Vacancy Engineering Using Bi₂Se₃ Nanodots for Boosting Highly Efficient Photonic Hyperthermia. ACS Applied Materials & Interfaces, 2021, 13, 48378-48385.	8.0	5
48	Simultaneous Enhancement of Photoluminescence and Stability of CsPbCl₃ Perovskite Enabled by Titanium Ion Dopant. Journal of Physical Chemistry Letters, 2021, 12, 10746-10752.	4.6	12
49	Enhanced Thermoelectric and Mechanical Properties of BaO-Doped BiCuSeO_{Î´} Ceramics. ACS Applied Energy Materials, 2021, 4, 13077-13084.	5.1	7
50	Facile Synthesis Bi2Te3 Based Nanocomposites: Strategies for Enhancing Charge Carrier Separation to Improve Photocatalytic Activity. Nanomaterials, 2021, 11, 3390.	4.1	6
51	Thermal properties of Y1â^'xMgxTaO4â^'x/2 ceramics via anion sublattice adjustment. Rare Metals, 2020, 39, 545-554.	7.1	22
52	Achieving high thermoelectric properties of Bi2S3 via InCl3 doping. Journal of Materials Science, 2020, 55, 263-273.	3.7	25
53	Decoration of upconversion nanocrystals with metal sulfide quantum dots by a universal in situ controlled growth strategy. Nanoscale, 2020, 12, 3977-3987.	5.6	13
54	Design of a mixed-anionic-ligand system for a blue-light-excited orange-yellow emission phosphor Ba_{1.31}Sr_{3.69}(BO₃)₃Cl:Eu²⁺. Journal of Materials Chemistry C, 2020, 8, 3040-3050.	5.5	31

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55	Sub-1.4eV bandgap inorganic perovskite solar cells with long-term stability. Nature Communications, 2020, 11, 151.	12.8	92
56	Unveiling the Relationship between Energy Transfer and the Triplet Energy Level by Tuning Diarylethene within Europium(III) Complexes. Inorganic Chemistry, 2020, 59, 661-668.	4.0	9
57	Impact of ZrO2 alloying on thermo-mechanical properties of Gd3NbO7. Ceramics International, 2020, 46, 6174-6181.	4.8	4
58	Thermal and Mechanical Properties Optimization of ABO4 Type EuNbO4 By the B-Site Substitution of Ta. Engineering, 2020, 6, 178-185.	6.7	7
59	Insight into the Characteristics of 4f-Related Electronic Transitions for Rare-Earth-Doped KLuS₂ Luminescent Materials through First-Principles Calculation. Journal of Physical Chemistry C, 2020, 124, 932-938.	3.1	8
60	A Reconfigurable Remotely Epitaxial VO₂ Electrical Heterostructure. Nano Letters, 2020, 20, 33-42.	9.1	33
61	The thermoâ€mechanical properties and ferroelastic phase transition of RENbO₄ (REÂ=ÂY, La,) Tj ETQq1 1 0.784314 rgBT /	3.8	36
62	Unveiling the mechanism of rare earth doping to optimize the optical performance of the CsPbBr₃ perovskite. Inorganic Chemistry Frontiers, 2020, 7, 4669-4676.	6.0	15
63	Effects of the alloying element on the stacking fault energies of dilute Ir-based superalloys: A comprehensive first-principles study. Journal of Materials Research, 2020, 35, 2718-2725.	2.6	7
64	Fabrication and characterization of 8YSZ ceramic based abradable seal coatings by atmospheric plasma spraying. Ceramics International, 2020, 46, 26530-26538.	4.8	15
65	The thermophysical properties and defect chemistry of HfO2â€“Sm3TaO7 ceramics. Journal of Materials Research, 2020, 35, 2230-2238.	2.6	2
66	Study of a color-tunable long afterglow phosphor Gd_{1.5}Y_{1.5}Ga₃Al₂O₁₂:Tb³⁺: luminescence properties and mechanism. RSC Advances, 2020, 10, 28049-28058.	3.6	15
67	High thermoelectric properties realized in earth-abundant Bi2S3 bulk via carrier modulation and multi-nano-precipitates synergy. Nano Energy, 2020, 78, 105227.	16.0	40
68	Thermophysical properties of Yb(Ta Nb1â^')O4 ceramics with different crystal structures. Ceramics International, 2020, 46, 28451-28458.	4.8	8
69	Effect of solution treatment on mechanical properties and microstructure of welded joints of Fe-29Mn-9Al-0.9C low-density steel. Journal of Micromechanics and Molecular Physics, 2020, 05, 2050006.	1.2	6
70	Lanthanide-doped bismuth-based fluoride nanoparticles: controlled synthesis and ratiometric temperature sensing. CrystEngComm, 2020, 22, 3432-3438.	2.6	10
71	Investigation of the thermophysical properties of (Y1-xYbx)TaO4 ceramics. Journal of the European Ceramic Society, 2020, 40, 3111-3121.	5.7	18
72	Mechanical and thermal properties of RETaO4 (RE = Yb, Lu, Sc) ceramics with monoclinic-prime phase. Journal of Materials Science and Technology, 2020, 52, 20-28.	10.7	40

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73	Editorial for advanced structural ceramics technology and characteristics. Rare Metals, 2020, 39, 460-462.	7.1	2
74	Investigation on the stability, electronic, optical, and mechanical properties of novel calcium carbonate hydrates via firstâ€principles calculations. International Journal of Quantum Chemistry, 2020, 120, e26219.	2.0	8
75	Thermophysical and mechanical properties of YTaO4 ceramic by niobium substitution tantalum. Materials Letters, 2020, 268, 127586.	2.6	12
76	Achieving a fine balance in mechanical properties and thermoelectric performance in commercial Bi2Te3 materials. Ceramics International, 2020, 46, 14994-15002.	4.8	34
77	Thermodynamic analysis of the interface reaction and thermal stress of WCp/Fe composites. Ceramics International, 2020, 46, 26210-26215.	4.8	11
78	A chiral switchable photovoltaic ferroelectric 1D perovskite. Science Advances, 2020, 6, eaay4213.	10.3	119
79	Effects of sintering temperature on thermoelectric properties of Cu_{1.8}S bulk materials. Materials Research Express, 2020, 7, 015923.	1.6	13
80	Microstructure and thermophysical properties of CeO2-doped SmTaO4 ceramics for thermal barrier coatings. Journal of Materials Research, 2020, 35, 242-251.	2.6	4
81	Thermophysical properties of SmTaO₄, Sm₃TaO₇ and SmTa₃O₉ ceramics. Materials Research Express, 2020, 7, 015204.	1.6	14
82	Enhanced Thermoelectric Performance in Lead-Free Inorganic CsSn_{1â€“x}Ge_xI₃ Perovskite Semiconductors. Journal of Physical Chemistry C, 2020, 124, 11749-11753.	3.1	45
83	Remarkably enhanced thermoelectric properties of Bi2S3 nanocomposites via modulation doping and grain boundary engineering. Applied Surface Science, 2020, 520, 146341.	6.1	29
84	Rapid screening of alloy elements to improve the elastic properties of dilute Pt-based alloys: High-throughput first-principles calculations and modeling. Journal of Applied Physics, 2020, 128, .	2.5	16
85	The effect of ZrO₂ alloying on the microstructures and thermal properties of DyTaO₄ for highâ€temperature application. Journal of the American Ceramic Society, 2019, 102, 889-895.	3.8	16
86	Optimization thermophysical properties of TiO₂ alloying Sm₃TaO₇ ceramics as promising thermal barrier coatings. International Journal of Applied Ceramic Technology, 2019, 16, 230-242.	2.1	21
87	Thermoelectric Properties of In2O3(ZnO)k (kâ€‰=â€‰3, 4, 5, 7) Superlattice Ceramics. Journal of Electronic Materials, 2019, 48, 7068-7075.	2.2	3
88	Enhanced thermoelectric properties of Bi₂S₃ polycrystals through an electroless nickel plating process. RSC Advances, 2019, 9, 23029-23035.	3.6	5
89	Facile synthesis of Ag₂Te nanowires and thermoelectric properties of Ag₂Te polycrystals sintered by spark plasma sintering. CrystEngComm, 2019, 21, 1718-1727.	2.6	30
90	Carrier lifetime enhancement in halide perovskite via remote epitaxy. Nature Communications, 2019, 10, 4145.	12.8	93

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91	Thermal expansion performance and intrinsic lattice thermal conductivity of ferroelastic RETaO₄ ceramics. Journal of the American Ceramic Society, 2019, 102, 4809-4821.	3.8	88
92	Structure and thermal properties of Al2O3-doped Gd3TaO7 as potential thermal barrier coating. Journal of the European Ceramic Society, 2019, 39, 2210-2214.	5.7	35
93	A highly active (102) surface-induced rapid degradation of a CuS nanotheranostic platform for in situ T₁-weighted magnetic resonance imaging-guided synergistic therapy. Nanoscale, 2019, 11, 12853-12857.	5.6	33
94	Electronic, mechanical and hydrogen storage properties of novel Mg3N2. Journal of Alloys and Compounds, 2019, 800, 8-15.	5.5	7
95	Theoretical and experimental investigations of mechanical properties for polymorphous YTaO₄ceramics. Journal of the American Ceramic Society, 2019, 102, 7656-7664.	3.8	30
96	Evaluation of Phase Transformation and Mechanical Properties of Metastable Yttria-Stabilized Zirconia by Nanoindentation. Materials, 2019, 12, 1677.	2.9	15
97	Shashlik-like Teâ€“Bi2Te3 hetero-nanostructures: one-pot synthesis, growth mechanism and their thermoelectric properties. CrystEngComm, 2019, 21, 3694-3701.	2.6	7
98	Multipoint Defect Synergy Realizing the Excellent Thermoelectric Performance of nâ€Type Polycrystalline SnSe via Re Doping. Advanced Functional Materials, 2019, 29, 1902893.	14.9	73
99	Investigation on thermo-physical and mechanical properties of Dy3(Ta1-xNbx)O7 ceramics with order-disorder transition. Ceramics International, 2019, 45, 15705-15710.	4.8	19
100	Commendable Pr³⁺-activated Ba₂Ga₂GeO₇ phosphor with high-brightness white long-persistent luminescence. Journal of Materials Chemistry C, 2019, 7, 6698-6705.	5.5	44
101	Highly enhanced thermoelectric properties of nanostructured Bi₂S₃ bulk materials via carrier modification and multi-scale phonon scattering. Inorganic Chemistry Frontiers, 2019, 6, 1374-1381.	6.0	33
102	DHQ-graphene: a novel two-dimensional defective graphene for corrosion-resistant coating. Journal of Materials Chemistry A, 2019, 7, 8967-8974.	10.3	33
103	Thermo-mechanical properties of fluorite Yb3TaO7 and Yb3NbO7 ceramics with glass-like thermal conductivity. Journal of Alloys and Compounds, 2019, 788, 1231-1239.	5.5	34
104	Realizing High Photocatalytic Performance of NaBiS₂ Nanopowders via the Introduction of Rareâ€Earth Elements. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1900061.	1.8	3
105	Phase structures and thermophysical properties of ZrO2-doped SmTaO4 ceramics. Modern Physics Letters B, 2019, 33, 1950132.	1.9	3
106	Effect of water vapor on the failure behavior of thermal barrier coating with Hf-doped NiCoCrAlY bond coating. Journal of Materials Research, 2019, 34, 2653-2663.	2.6	10
107	Tailoring the anisotropic mechanical properties of hexagonal M7X3 (M=Fe, Cr, W, Mo; X=C, B) by multialloying. Acta Materialia, 2019, 169, 193-208.	7.9	74
108	A strategy for developing thermal-quenching-resistant emission and super-long persistent luminescence in BaGa₂O₄:Bi³⁺. Journal of Materials Chemistry C, 2019, 7, 13088-13096.	5.5	42

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109	Influence of HfO2 alloying effect on microstructure and thermal conductivity of HoTaO4 ceramics. Journal of Advanced Ceramics, 2019, 8, 537-544.	17.4	32
110	Mechanical properties, thermal expansion performance and intrinsic lattice thermal conductivity of AlMO4 (M=Ta, Nb) ceramics for high-temperature applications. Ceramics International, 2019, 45, 6616-6623.	4.8	15
111	First-principles study of pressure-induced phase transformations in thermoelectric Mg2Si. Journal of Alloys and Compounds, 2019, 773, 988-996.	5.5	9
112	Thermophysical properties of rare earth barium aluminates. Journal of the American Ceramic Society, 2018, 101, 2718-2723.	3.8	12
113	Exploring the intrinsic ductile metastable Fe-C compounds: Complex chemical bonds, anisotropic elasticity and variable thermal expansion. Journal of Alloys and Compounds, 2018, 745, 196-211.	5.5	32
114	Effect of Al³⁺ doping on mechanical and thermal properties of DyTaO₄ as promising thermal barrier coating application. Journal of the American Ceramic Society, 2018, 101, 1818-1823.	3.8	32
115	Synthesis and thermoelectric properties of InSb alloys by solid reaction. Data in Brief, 2018, 21, 2515-2517.	1.0	2
116	Influence of ZrO2 alloying effect on the thermophysical properties of fluorite-type Eu3TaO7 ceramics. Scripta Materialia, 2018, 152, 117-121.	5.2	47
117	The glass-like thermal conductivity in ZrO2-Dy3TaO7 ceramic for promising thermal barrier coating application. Applied Physics Letters, 2018, 112, .	3.3	39
118	Synthesis and thermophysical properties of RETa₃O₉ (REÂ=ÂCe, Nd, Sm, Eu, Gd,) Tj ETQq0 0 0 rgBT /Overlock 1266-1278.	3.8	93
119	Enhanced thermoelectric properties of bismuth telluride bulk achieved by telluride-spilling during the spark plasma sintering process. Scripta Materialia, 2018, 143, 90-93.	5.2	77
120	A first-principles calculation of structural, mechanical, thermodynamic and electronic properties of binary Niâ€“Y compounds. RSC Advances, 2018, 8, 41575-41586.	3.6	17
121	Investigation on microstructures and thermo-physical properties of ferroelastic (Y1-xDyx)TaO4 ceramics. Materialia, 2018, 4, 478-486.	2.7	25
122	Revealing the stability, elastic properties and electronic structures of Pd-V intermetallics via first principle calculations. AIP Advances, 2018, 8, .	1.3	6
123	Remote Phononic Effects in Epitaxial Ruddlesdenâ€“Popper Halide Perovskites. Journal of Physical Chemistry Letters, 2018, 9, 6676-6682.	4.6	22
124	Potential thermal barrier coating materials: <scp>RE</scp>₃NbO₇ (<scp>RE</scp>=La,ÂNd, Sm, Eu, Gd, Dy) ceramics. Journal of the American Ceramic Society, 2018, 101, 4503-4508.	3.8	66
125	Synthesis, crystal structure and thermophysical properties of (La1-XEuX)3TaO7 ceramics. Ceramics International, 2018, 44, 16273-16281.	4.8	19
126	Ultralow Thermal Conductivity and Ultrahigh Thermal Expansion of Single-Crystal Organicâ€“Inorganic Hybrid Perovskite CH₃NH₃PbX₃ (X = Cl, Br, I). Journal of Physical Chemistry C, 2018, 122, 15973-15978.	3.1	93

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127	Excellent ZT achieved in Cu_{1.8}S thermoelectric alloys through introducing rare-earth trichlorides. Journal of Materials Chemistry A, 2018, 6, 14440-14448.	10.3	39
128	Highly enhanced thermoelectric properties of Cu1.8S by introducing PbS. Journal of Alloys and Compounds, 2018, 764, 738-744.	5.5	25
129	Properties of Feâ€“Mnâ€“Al alloys with different Mn contents using density functional theory. Rare Metals, 2018, , 1.	7.1	1
130	Fabrication and characterization of Ni-decorated h-BN powders with ChCl-EG ionic liquid as addition by electroless deposition. Royal Society Open Science, 2018, 5, 180146.	2.4	5
131	Ultrafast synthesis of ultrasmall polyethylenimine-protected AgBiS₂ nanodots by â€œrookie methodâ€•for in vivo dual-modal CT/PA imaging and simultaneous photothermal therapy. Nanoscale, 2018, 10, 16765-16774.	5.6	44
132	The rattler effect of phonon propagation in defect-fluorite Dy3(Nb1-xTix)O7-x/2. Ceramics International, 2018, 44, 21998-22002.	4.8	9
133	Synthesis and thermophysics properties of ferroelastic SmNb1-XTaXO4 ceramics. Ceramics International, 2018, 44, 13999-14006.	4.8	17
134	Facile Synthesis of NaBiS₂ Nanoribbons as a Promising Visible Lightâ€Driven Photocatalyst. Physica Status Solidi - Rapid Research Letters, 2018, 12, 1800135.	2.4	18
135	Highly Enhanced Thermoelectric Properties of Bi/Bi₂S₃ Nanocomposites. ACS Applied Materials & Interfaces, 2017, 9, 4828-4834.	8.0	107
136	Mechanical properties, electronic structure and alkali-ion diffusion of Eldfellite-type AFe(SO₄)₂ (A = Li, Na, K) as potential cathode materials comparing with LiFePO₄. Journal of Micromechanics and Molecular Physics, 2017, 02, 1750002.	1.2	14
137	Multialloying effect on thermophysical properties of Cr₇C₃â€type carbides. Journal of the American Ceramic Society, 2017, 100, 1588-1597.	3.8	26
138	Improvements of thermoelectric properties for p-type Cu_{1.8}S bulk materials via optimizing the mechanical alloying process. Inorganic Chemistry Frontiers, 2017, 4, 1192-1199.	6.0	26
139	Boosting the Thermoelectric Performance of (Na,K)-Codoped Polycrystalline SnSe by Synergistic Tailoring of the Band Structure and Atomic-Scale Defect Phonon Scattering. Journal of the American Chemical Society, 2017, 139, 9714-9720.	13.7	168
140	Enhanced thermoelectric properties of SiC nanoparticle dispersed Cu1.8S bulk materials. Journal of Alloys and Compounds, 2017, 696, 782-787.	5.5	43
141	A review on low dimensional metal halides: Vapor phase epitaxy and physical properties. Journal of Materials Research, 2017, 32, 3992-4024.	2.6	18
142	Enhanced thermoelectric properties of Cu1.8S via introducing Bi2S3 and Bi2S3@Bi core-shell nanorods. Journal of Alloys and Compounds, 2017, 727, 1076-1082.	5.5	36
143	Preparation of Niâ€Encapsulated ZTA Particles as Precursors to Reinforce Ironâ€Based Composites. Advanced Engineering Materials, 2017, 19, 1700268.	3.5	18
144	Effects of second phases on thermoelectric properties in copper sulfides with Sn addition. Journal of Materials Research, 2017, 32, 3029-3037.	2.6	19

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145	Enhanced thermoelectric properties of In₂O₃(ZnO)₅ intrinsic superlattice ceramics by optimizing the sintering process. RSC Advances, 2017, 7, 49883-49889.	3.6	11
146	Mechanical and Optical Properties of Cs₄BX₆ (B = Pb, Sn; X = Cl, Br, I) Zero-Dimension Perovskites. Journal of Physical Chemistry C, 2017, 121, 27053-27058.	3.1	61
147	Microstructure and thermal properties of RETaO4 (RE = Nd, Eu, Gd, Dy, Er, Yb, Lu) as promising thermal barrier coating materials. Scripta Materialia, 2017, 126, 24-28.	5.2	144
148	Elaborating the phases and mechanical properties of multiphase alloy: Experimental two-dimensional mapping combined with theoretical calculations. Materials Characterization, 2017, 134, 347-353.	4.4	24
149	Synthesis and Thermoelectric Properties of Copper Sulfides via Solution Phase Methods and Spark Plasma Sintering. Crystals, 2017, 7, 141.	2.2	24
150	CH3NH3Cd0.875Pb0.125I3 perovskite as potential photovoltaic materials. AIP Advances, 2016, 6, 115208.	1.3	5
151	Pressure dependence of electronic structure and superconductivity of the MnX (Xâ€‰=â€‰N, P, As, Sb). Scientific Reports, 2016, 6, 21821.	3.3	21
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