

Xiao-jun Kuang

List of Publications by Year in descending order

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129
papers

3,675
citations

117625

34
h-index

155660

55
g-index

146
all docs

146
docs citations

146
times ranked

4002
citing authors

#	ARTICLE	IF	CITATIONS
1	Interstitial oxide ion conductivity in the layered tetrahedral network melilite structure. <i>Nature Materials</i> , 2008, 7, 498-504.	27.5	258
2	Non-Centrosymmetric $\text{RbNaMgP}_2\text{O}_7$ with Unprecedented Thermo-Induced Enhancement of Second Harmonic Generation. <i>Journal of the American Chemical Society</i> , 2018, 140, 1592-1595.	13.7	200
3	Oriented $\text{ZnIn}_2\text{Sm}_3\text{@In}_2\text{S}_3$ heterojunction with hierarchical structure for efficient photocatalytic hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2019, 244, 604-611.	20.2	120
4	A host sensitized reddish-orange $\text{Gd}_2\text{MoO}_6:\text{Sm}^{3+}$ phosphor for light emitting diodes. <i>Applied Physics Letters</i> , 2011, 98, .	3.3	110
5	Nanotubular Metal-Organic Frameworks with High Porosity Based on T-Shaped Pyridyl Dicarboxylate Ligands. <i>Inorganic Chemistry</i> , 2011, 50, 1743-1748.	4.0	104
6	High Light Yield of $\text{Sr}_8(\text{Si}_4\text{O}_{12})\text{Cl}_8:\text{Eu}^{2+}$ under X-ray Excitation and Its Temperature-Dependent Luminescence Characteristics. <i>Chemistry of Materials</i> , 2014, 26, 3709-3715.	6.7	100
7	Encapsulating Mo-Doped TiO_2 Anatase in N-Doped Amorphous Carbon With Excellent Lithium Storage Performances. <i>Frontiers in Materials</i> , 2019, 6, .	2.4	98
8	Energy Transfer and Tunable Luminescence of $\text{NaLa}(\text{PO}_3)_4:\text{Tb}^{3+}/\text{Eu}^{3+}$ under VUV and Low-Voltage Electron Beam Excitation. <i>Journal of Physical Chemistry C</i> , 2014, 118, 3220-3229.	3.1	96
9	Interlayer expansion of few-layered Mo-doped SnS_2 nanosheets grown on carbon cloth with excellent lithium storage performance for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 4075-4083.	10.3	96
10	Bifunctional Iron-Nickel Nitride Nanoparticles as Flexible and Robust Electrode for Overall Water Splitting. <i>Electrochimica Acta</i> , 2017, 247, 666-673.	5.2	92
11	Cooperative mechanisms of oxygen vacancy stabilization and migration in the isolated tetrahedral anion Scheelite structure. <i>Nature Communications</i> , 2018, 9, 4484.	12.8	85
12	A Polar Oxide with a Large Magnetization Synthesized at Ambient Pressure. <i>Journal of the American Chemical Society</i> , 2005, 127, 13790-13791.	13.7	76
13	Promising Oxonitridosilicate Phosphor Host $\text{Sr}_3\text{Si}_2\text{O}_4\text{N}_2$: Synthesis, Structure, and Luminescence Properties Activated by Eu^{2+} and $\text{Ce}^{3+}/\text{Li}^{+}$ for pc-LEDs. <i>Inorganic Chemistry</i> , 2012, 51, 3540-3547.	4.0	76
14	Acceptor Doping and Oxygen Vacancy Migration in Layered Perovskite NdBaInO_4 -Based Mixed Conductors. <i>Journal of Physical Chemistry C</i> , 2016, 120, 6416-6426.	3.1	74
15	Accumulation of versatile iodine species by a porous hydrogen-bonding Cu(ii) coordination framework. <i>Journal of Materials Chemistry A</i> , 2013, 1, 8575.	10.3	66
16	Boosting the Oxygen Evolution Reaction Activity of NiFe_2O_4 Nanosheets by Phosphate Ion Functionalization. <i>ACS Omega</i> , 2019, 4, 3493-3499.	3.5	66
17	A high efficiency blue phosphor $\text{BaCa}_2\text{MgSi}_2\text{O}_8:\text{Eu}^{2+}$ under VUV and UV excitation. <i>Journal of Materials Chemistry C</i> , 2013, 1, 493-499.	5.5	64
18	Remarkably High Oxide Ion Conductivity at Low Temperature in an Ordered Fluorite-Type Superstructure. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 690-694.	13.8	62

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19	Structure Refinement and Two-Center Luminescence of $\text{Ca}_3\text{La}_3(\text{BO}_3)_5\text{Ce}^{3+}$ under VUV-UV Excitation. <i>Inorganic Chemistry</i> , 2012, 51, 8802-8809.	4.0	55
20	First-principle calculation and assignment for vibrational spectra of $\text{Ba}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3$ microwave dielectric ceramic. <i>Journal of Applied Physics</i> , 2014, 115, .	2.5	54
21	Phase Stability Control of Interstitial Oxide Ion Conductivity in the $\text{La}_{1+x}\text{Sr}_{1-x}\text{Ga}_3\text{O}_{7+x/2}$ Melilite Family. <i>Chemistry of Materials</i> , 2010, 22, 2510-2516.	6.7	51
22	A dual-mode solar spectral converter $\text{CaLaGa}_3\text{S}_6\text{O}:\text{Ce}^{3+}, \text{Pr}^{3+}$: UV-Vis-NIR luminescence properties and solar spectral converting mechanism. <i>Journal of Materials Chemistry</i> , 2012, 22, 2226-2232.	6.7	49
23	$\text{LiCa}_3\text{ZnV}_3\text{O}_{12}$: A novel low-firing, high Q microwave dielectric ceramic. <i>Ceramics International</i> , 2014, 40, 5015-5018.	4.8	48
24	Interstitial Oxide Ion Order and Conductivity in $\text{La}_{1.64}\text{Ca}_{0.36}\text{Ga}_3\text{O}_{7.32}$ Melilite. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 2362-2366.	13.8	44
25	UV-Vis-NIR luminescence properties and energy transfer mechanism of $\text{LiSrPO}_4:\text{Eu}^{2+}, \text{Pr}^{3+}$ suitable for solar spectral convertor. <i>Optics Express</i> , 2013, 21, 3161.	3.4	42
26	Dielectric Loss Spectrum of Ceramic MgTiO_3 Investigated by AC Impedance and Microwave Resonator Measurements. <i>Journal of the American Ceramic Society</i> , 2006, 89, 241-246.	3.8	41
27	Constructions of two polycatenanes and one polypseudo-rotaxane by discrete tetrahedral cages and stool-like building units. <i>Scientific Reports</i> , 2012, 2, 668.	3.3	41
28	Internal Barrier Layer Capacitance Effect in Hexagonal Perovskite $\text{Ba}_4\text{YMn}_3\text{O}_{11.5}$ Ceramics. <i>Chemistry of Materials</i> , 2006, 18, 5130-5136.	6.7	40
29	Bismuth-Based Halide Double Perovskite $\text{Cs}_2\text{LiBiCl}_6$: Crystal Structure, Luminescence, and Stability. <i>Chemistry of Materials</i> , 2021, 33, 5905-5916.	6.7	39
30	A Pure Bismuth Site Polar Perovskite Synthesized at Ambient Pressure. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 8785-8789.	13.8	38
31	High temperature dielectrics and defect characteristic of (Nb, Mn, Zr) modified $0.4(\text{Ba}_{0.8}\text{Ca}_{0.2})\text{TiO}_3 \cdot 0.6\text{Bi}(\text{Mg}_{0.5}\text{Ti}_{0.5})\text{O}_3$ ceramics. <i>Journal of Physics and Chemistry of Solids</i> , 2018, 118, 99-108.	4.0	37
32	Oxygen Vacancy Ordering Phenomena in the Mixed-Conducting Hexagonal Perovskite $\text{Ba}_7\text{Y}_2\text{Mn}_3\text{Ti}_2\text{O}_{20}$. <i>Chemistry of Materials</i> , 2007, 19, 2884-2893.	6.7	36
33	A New Hexagonal 12-Layer Perovskite-Related Structure: $\text{Ba}_6\text{R}_2\text{Ti}_4\text{O}_{17}$ (R = Nd and Y). <i>Chemistry of Materials</i> , 2002, 14, 4359-4363.	6.7	35
34	Study on the effects of 5d energy locations of Ce^{3+} ions on NIR quantum cutting process in $\text{Y}_2\text{SiO}_5:\text{Ce}^{3+}, \text{Yb}^{3+}$. <i>Optics Express</i> , 2012, 20, A510.	3.4	35
35	New 8-Layer Twinned Hexagonal Perovskite Microwave Dielectric Ceramics $\text{Ba}_8\text{Ga}_4\text{Ta}_{4+0.6}\text{O}_{24}$. <i>Chemistry of Materials</i> , 2011, 23, 5058-5067.	6.7	34
36	Polymorphism and Oxide Ion Migration Pathways in Fluorite-Type Bismuth Vanadate, $\text{Bi}_6\text{V}_8\text{O}_{89}$. <i>Chemistry of Materials</i> , 2012, 24, 2162-2167.	6.7	33

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37	La _{1-x} Ba _{1-x} Ga ₃ O _{7+0.5x} Oxide Ion Conductor: Cationic Size Effect on the Interstitial Oxide Ion Conductivity in Gallate Melilites. <i>Inorganic Chemistry</i> , 2017, 56, 6897-6905.	4.0	33
38	First transparent oxide ion conducting ceramics synthesized by full crystallization from glass. <i>Journal of Materials Chemistry A</i> , 2018, 6, 5276-5289.	10.3	33
39	Double substitution induced tunable luminescent properties of Ca _{3-x} Y _x Sc _{2-x} Mg _x Si ₃ O ₁₂ :Ce ³⁺ +phosphors for white LEDs. <i>Journal of Materials Chemistry C</i> , 2016, 4, 5671-5678.	5.5	32
40	Frustration of Magnetic and Ferroelectric Long-Range Order in Bi ₂ Mn _{4/3} Ni _{2/3} O ₆ . <i>Journal of the American Chemical Society</i> , 2009, 131, 14000-14017.	13.7	27
41	Oxide Ion Conductivity, Phase Transitions, and Phase Separation in Fluorite-Based Bi _{38-x} Mo _{7-x} O _{78+1.5x} . <i>Chemistry of Materials</i> , 2010, 22, 4484-4494.	6.7	27
42	Doping Effects of Ta on Conductivity and Microwave Dielectric Loss of MgTiO ₃ Ceramics. <i>Journal of the American Ceramic Society</i> , 2007, 90, 3142-3147.	3.8	26
43	Solid-State ²⁹ Si NMR and Neutron-Diffraction Studies of Sr _{0.7} K _{0.3} SiO _{2.85} Oxide Ion Conductors. <i>Inorganic Chemistry</i> , 2014, 53, 6962-6968.	4.0	25
44	Increased proton conductivity of metal-organic framework micro-film prepared by a facile salt-free approach. <i>Journal of Materials Chemistry A</i> , 2014, 2, 8849.	10.3	24
45	Dielectric properties of (K _{0.5} Na _{0.5})NbO ₃ (Bi _{0.5} Li _{0.5})ZrO ₃ lead-free ceramics as high-temperature ceramic capacitors. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	2.3	24
46	Rare earth elements based oxide ion conductors. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 1374-1398.	6.0	24
47	Development of Melilite-type Oxide Ion Conductors. <i>Chemical Record</i> , 2020, 20, 1117-1128.	5.8	23
48	Dielectric properties and high-temperature dielectric relaxation of Ba ₃ Ti ₄ Nb ₄ O ₂₁ ceramic. <i>Materials Chemistry and Physics</i> , 2014, 143, 552-556.	4.0	22
49	Probing oxide-ion conduction in low-temperature SOFCs. <i>Nano Energy</i> , 2018, 50, 88-96.	16.0	22
50	An intense charge transfer broadband sensitized near-infrared emitting CaLaGa ₃ S ₆ O:Yb ³⁺ phosphor suitable for solar spectral convertor. <i>Optics Express</i> , 2011, 19, 24314.	3.4	21
51	Localization of Oxygen Interstitials in CeSrGa ₃ O _{7+$\hat{\Gamma}$} Melilite. <i>Inorganic Chemistry</i> , 2014, 53, 11589-11597.	4.0	21
52	Interstitial Oxide Ion Migration Mechanism in Aluminate Melilite La _{1-x} Ca _{1-x} Al ₃ O _{7+0.5x} Ceramics Synthesized by Glass Crystallization. <i>ACS Applied Energy Materials</i> , 2019, 2, 2878-2888.	5.1	21
53	Oxygen interstitials and vacancies in LaSrGa ₃ O ₇ -based melilites. <i>Journal of Solid State Chemistry</i> , 2015, 230, 309-317.	2.9	20
54	Modulated structure determination and ion transport mechanism of oxide-ion conductor CeNbO _{4+$\hat{\Gamma}$} . <i>Nature Communications</i> , 2020, 11, 4751.	12.8	20

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55	Structure and Conductivity of Perovskites $\text{Sr}_{1-x}\text{La}_x\text{Ti}_{1-x}\text{Cr}_x\text{O}_3$. <i>Journal of Solid State Chemistry</i> , 2002, 165, 381-392.	2.9	19
56	Enhanced emission of Mn^{2+} via $\text{Ce}^{3+} \rightarrow \text{Mn}^{2+}$ energy transfer in $\text{Sr}_{2-x}\text{P}_{2-x}\text{O}_7$. <i>Optics Express</i> , 2012, 20, 28969.	3.4	19
57	High-Dielectric-Permittivity Layered Nitride CaTiN_2 . <i>Chemistry of Materials</i> , 2017, 29, 1989-1993.	6.7	18
58	High Oxide Ion Conduction in Molten Na_2WO_7 . <i>Advanced Electronic Materials</i> , 2018, 4, 1800352.	5.1	18
59	Structural Origin of Thermally Induced Second Harmonic Generation Enhancement in $\text{RbNaMgP}_2\text{O}_7$. <i>Chemistry of Materials</i> , 2019, 31, 9843-9849.	6.7	18
60	$\text{La}_2\text{Ga}_3\text{O}_{7.5}$: A Metastable Ternary Melilite with a Super-Excess of Interstitial Oxide Ions Synthesized by Direct Crystallization of the Melt. <i>Chemistry of Materials</i> , 2020, 32, 9016-9025.	6.7	18
61	Ionic Conductivity, Structure and Oxide Ion Migration Pathway in Fluorite-Based $\text{Bi}_8\text{La}_{10}\text{O}_{27}$. <i>Chemistry of Materials</i> , 2009, 21, 4661-4668.	6.7	17
62	Nanometer-scale separation of $\text{d}_{10} \text{Zn}^{2+}$ -layers and twin \rightarrow shift competition in $\text{Ba}_8\text{ZnNb}_6\text{O}_{24}$ -based 8-layered hexagonal perovskites. <i>Dalton Transactions</i> , 2015, 44, 13173-13185.	3.3	17
63	Far infrared reflection spectrum and IR-active modes of MgTiO_3 . <i>Journal of Applied Physics</i> , 2008, 103, 074105.	2.5	16
64	Flexible additive-free $\text{CC@TiO}_x\text{N}_y\text{@SnS}_2$ nanocomposites with excellent stability and superior rate capability for lithium-ion batteries. <i>RSC Advances</i> , 2016, 6, 24366-24372.	3.6	15
65	Defect Structure, Phase Separation, and Electrical Properties of Nonstoichiometric Tetragonal Tungsten Bronze $\text{Ba}_{0.5-x}\text{TaO}_{3-x}$. <i>Inorganic Chemistry</i> , 2013, 52, 13244-13252.	4.0	14
66	Synthesis, crystal structure and photoluminescence properties of new blue-green $\text{Ba}_{1-x}(\text{PO}_3)_2\text{Eu}_x^{2+}$ ($0 < x \leq 0.040$) phosphors for near ultraviolet based white light-emitting diodes. <i>RSC Advances</i> , 2015, 5, 42714-42720.	3.6	14
67	Phase formation and conductivity degradation of $\text{Sr}_{1-x}\text{K}_x\text{SiO}_{3-0.5x}$ ionic conductors. <i>Journal of Materials Chemistry A</i> , 2016, 4, 6313-6318.	10.3	14
68	Isolation of Two-Dimensional 2:1 Cation-Ordered Perovskite Units by Anion Vacancy Ordering in $\text{Ba}_6\text{Na}_2\text{Nb}_2\text{P}_2\text{O}_{17}$. <i>Inorganic Chemistry</i> , 2008, 47, 8444-8450.	4.0	13
69	Zero Thermal Expansion and Semiconducting Properties in $\text{PbTiO}_3 \rightarrow \text{Bi}(\text{Co})_2\text{TiO}_7$. <i>Journal of Applied Physics</i> , 2010, 107, 074105.	3.0	13
70	New eight-layer twinned hexagonal perovskite microwave dielectric ceramic $\text{Ba}_8\text{NiNb}_6\text{O}_{24}$. <i>Journal of the American Ceramic Society</i> , 2017, 100, 1212-1220.	3.8	13
71	Conductivity, Dielectric Loss, and Electrical Heterogeneous Microstructure of Eight-Layer Twinned Hexagonal Perovskite Ceramics $\text{Ba}_8\text{CuTa}_6\text{O}_{24}$. <i>Journal of the American Ceramic Society</i> , 2013, 96, 2510-2514.	3.8	12
72	Aliovalent-substitution defect chemistry, crystalline-glassy phase separation and ionic conductivity in fresnoite $\text{Ba}_2\text{TiSi}_2\text{O}_8$ -based materials. <i>Solid State Ionics</i> , 2015, 278, 157-165.	2.7	12

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73	First 14-Layer Twinned Hexagonal Perovskite Ba ₁₄ Mn _{1.75} Ta _{10.5} O ₄₂ : Atomic-Scale Imaging of Cation Ordering. <i>Chemistry of Materials</i> , 2016, 28, 4686-4696.	6.7	12
74	Dielectric Properties of (Bi _{0.5} K _{0.5})ZrO ₃ Modified (K _{0.5} Na _{0.5})NbO ₃ Ceramics as High-Temperature Ceramic Capacitors. <i>Journal of Electronic Materials</i> , 2018, 47, 7106-7113.	2.2	12
75	Phase formation and ionic conduction in Na-doped Sr ₂ MgSi ₂ O ₇ melilite-type silicate. <i>Journal of Materials Chemistry A</i> , 2021, 9, 22064-22071.	10.3	12
76	Synthesis, Structure, and Electrical Property of Ce _{1-x} Sr _{1+x} Ga ₃ O ₇ . <i>Advances in Materials Science and Engineering</i> , 2015, 2015, 1-6.	1.8	11
77	Innovative lithium storage enhancement in cation-deficient anatase via layered oxide hydrothermal transformation. <i>Journal of Materials Chemistry A</i> , 2018, 6, 24232-24244.	10.3	11
78	Four New Dysprosium and Neodymium Octamolybdate Hydrates: Assembly of RE ₂ (Mo ₈ O ₂₇) Sheets and Topotactic Transformations. <i>Inorganic Chemistry</i> , 2010, 49, 6005-6012.	4.0	10
79	Oxygen-deficiency-induced 6H-polymorph of hexagonal perovskite Ba ₄ YMn ₃ O _{11.5} : synthesis, structure and properties. <i>Journal of Materials Chemistry</i> , 2012, 22, 8103.	6.7	10
80	Stabilization and tunable microwave dielectric properties of the rutile polymorph in $\hat{\Gamma}$ -PbO ₂ -type GaTaO ₄ -based ceramics. <i>Journal of Materials Chemistry C</i> , 2014, 2, 4957.	5.5	10
81	Bi _{1-x} Nb _{0.5+x} O _{1.5} (x=0.0625, 0.12) fast ion conductors: Structures, stability and oxide ion migration pathways. <i>Journal of Solid State Chemistry</i> , 2015, 225, 383-390.	2.9	10
82	8-Layer Shifted Hexagonal Perovskite Ba ₈ MnNb ₆ O ₂₄ : Long-Range Ordering of High-Spin d ⁵ Mn ²⁺ Layers and Electronic Structure. <i>Inorganic Chemistry</i> , 2018, 57, 5732-5742.	4.0	10
83	Ba ₈ CoNb ₆ Ta ₂ O ₂₄ Eight-Layer Shifted Hexagonal Perovskite Ceramics with Spontaneous Ta ⁵⁺ Ordering and Near-Zero ϵ_r . <i>Inorganic Chemistry</i> , 2019, 58, 10974-10982.	4.0	10
84	A powder X-ray diffraction refinement of the BaNd ₂ Ti ₃ O ₁₀ structure. <i>Materials Research Bulletin</i> , 2002, 37, 1755-1761.	5.2	9
85	Phase Relationships in the BaO ϵ -Ga ₂ O ₃ ϵ -Ta ₂ O ₅ System and the Structure of Ba ₆ Ga ₂₁ TaO ₄₀ . <i>Inorganic Chemistry</i> , 2012, 51, 7788-7793.	4.0	9
86	New oxygen-deficient cationic-ordered perovskites containing turquoise-coloring Mn ⁵⁺ O ₄ tetrahedral layers. <i>Journal of Solid State Chemistry</i> , 2017, 247, 20-23.	2.9	9
87	Molecular dynamic simulation of interstitial oxide ion migration in Pb ₁ -La WO ₄ + $\frac{1}{2}$ scheelite. <i>Journal of Solid State Chemistry</i> , 2018, 268, 16-21.	2.9	9
88	Molten Salt Synthesis, Polymorphism, and Microwave Dielectric Properties of Ba ₈ NiTa ₆ O ₂₄ Perovskite. <i>Journal of the American Ceramic Society</i> , 2015, 98, 2451-2458.	3.8	8
89	Unraveling the correlation between oxide-ion motion and upconversion luminescence in $\hat{\Gamma}$ -La ₂ Mo ₂ O ₉ :Yb ³⁺ ,Er ³⁺ derivatives. <i>Journal of Materials Chemistry C</i> , 2017, 5, 10965-10970.	5.5	8
90	Phase Evolution, Electrical Properties, and Conduction Mechanism of Ca ₁₂ Al ₁₄ Ga _x O ₃₃ (0 \leq x \leq 14) 4.0 Ceramics Synthesized by a Glass Crystallization Method. <i>Inorganic Chemistry</i> , 2021, 60, 2446-2456.	4.0	8

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91	Molecular dynamics simulations of oxide ion migration in La ₂ Ga ₃ O _{7.5} with completely ordered interstitial oxide ions. <i>Journal of Solid State Chemistry</i> , 2021, 302, 122370.	2.9	8
92	Borates as a new direction in the design of oxide ion conductors. <i>Science China Materials</i> , 2022, 65, 2737-2745.	6.3	8
93	Yb ³⁺ site occupation and host sensitization luminescence of a novel near-infrared emitting Sr ₂ CaMoO ₆ :Yb ³⁺ phosphor. <i>Physica Status Solidi - Rapid Research Letters</i> , 2014, 8, 202-205.	2.4	7
94	Chemical Bonding Effect on the Incorporation and Conduction of Interstitial Oxide Ions in Gallate Melilites. <i>Advanced Theory and Simulations</i> , 2019, 2, 1900069.	2.8	7
95	Sb-doping effects on twin-shift option and microwave dielectric properties of Ba ₈ CoNb ₆ O ₂₄ eight-layer hexagonal perovskite ceramics. <i>Journal of the European Ceramic Society</i> , 2021, 41, 6495-6501.	5.7	7
96	Annealing Effects on Conductivity and Microwave Dielectric Loss of MgTiO ₃ Ceramics. <i>Japanese Journal of Applied Physics</i> , 2011, 50, 065806.	1.5	6
97	Dielectric and optical properties of Ba ₅ Fe _{0.5} Ta _{9.5} O ₃₀ (A ⁺ =K, Li) tungsten bronze ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 3891-3896.	2.2	6
98	The structure, anion order, and Ce ³⁺ luminescence of Y ₄ Al ₂ O ₉ :Y ₄ Si ₂ O ₇ N ₂ S _{0.5} solid solutions. <i>Journal of Materials Chemistry C</i> , 2017, 5, 4654-4660.		6
99	High oxide ion conductivity in the Bi ³⁺ doped melilite LaSrGa ₃ O ₇ . <i>Journal of Alloys and Compounds</i> , 2018, 740, 143-147.	5.5	6
100	Enhanced sodium ion conductivity in Na ₃ VS ₄ by P-doping. <i>RSC Advances</i> , 2019, 9, 39180-39186.	3.6	6
101	Shear-structured MoNb ₆ O ₁₈ as a new anode for lithium-ion batteries. <i>Materials Advances</i> , 2021, 2, 6272-6277.	5.4	6
102	Nonstoichiometric Control of Tunnel-Filling Order, Thermal Expansion, and Dielectric Relaxation in Tetragonal Tungsten Bronzes Ba _{0.5} TaO ₃ . <i>Inorganic Chemistry</i> , 2015, 54, 8978-8986.	4.0	5
103	Structural Distortion and Dielectric Permittivities of KCoO ₂ -Type Layered Nitrides Ca _{1-x} Sr _x TiN ₂ . <i>Inorganic Chemistry</i> , 2020, 59, 9693-9698.	4.0	5
104	Electrical Properties, Defect Structures, and Ionic Conducting Mechanisms in Alkali Tungstate Li ₂ W ₂ O ₇ . <i>Inorganic Chemistry</i> , 2021, 60, 8631-8639.	4.0	5
105	Experimental and Theoretical Solid-State ²⁹ Si NMR Studies on Defect Structures in La _{9.33} (SiO ₄) ₆ O _{2+1.5} Apatite Oxide Ion Conductors. <i>Inorganic Chemistry</i> , 2021, 60, 16817-16825.	4.0	5
106	Molecule-like cluster magnetism and cationic order in the new hexagonal perovskite Ba ₄ Sn _{1.1} Mn _{2.9} O ₁₂ . <i>RSC Advances</i> , 2021, 11, 40235-40242.	3.6	5
107	Pressure-stabilized hexagonal perovskite-related isolated tetrahedral anion silicate La ₆ Sr ₃ Si ₆ O ₂₄ . <i>Chinese Chemical Letters</i> , 2023, 34, 107551.	9.0	5
108	An optical perspective on the thermal-activated ionic migration state and ionic jumping distance in glass. <i>Journal of Materials Chemistry C</i> , 2019, 7, 9211-9218.	5.5	4

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109	Electrical properties and oxide ion conducting mechanism in Na-doped LaPO ₄ . Scripta Materialia, 2020, 178, 527-532.	5.2	4
110	Optical Interpretation of a Second-Order Phase Transition Induced by Thermal-Driven Li ⁺ Migration via Configurational Entropy in CaTiO ₃ :Li ⁺ , Yb ³⁺ , Er ³⁺ . Journal of Physical Chemistry C, 2021, 125, 6916-6922.	3.1	4
111	Enhanced Lithium Storage in Micrometer-Scale Tungsten Bronze Mo ₃ Nb ₂ O ₁₄ by Molybdenum Reduction and Oxygen Deficiency. Advanced Materials Interfaces, 2021, 8, 2101016.	3.7	4
112	Tetrahedral Tilting and Oxygen Vacancy Stabilization and Migration in La _{1-x} Sr _{2+x} (GaO ₄)O _{1-0.5x} Mixed Electronic/Oxide Ionic Conductors. Inorganic Chemistry, 2022, 61, 5413-5424.	4.0	4
113	High Dielectric Permittivity of $\text{A}^{\pm}\text{-NaFeO}_2$ -Type Layered Nitrides. Chemistry of Materials, 2022, 34, 4505-4513.	6.7	4
114	Synthesis and luminescence properties of the lithium-containing lanthanum-oxycarbonate-like borates. Journal of Solid State Chemistry, 2012, 194, 225-232.	2.9	3
115	Tuning the temperature coefficient of resonant frequency for 8-layer twinned hexagonal perovskite Ba ₈ ZnTa ₆ O ₂₄ ceramics. Journal of Materials Science: Materials in Electronics, 2016, 27, 10078-10081.	2.2	3
116	8H \times 10H Stacking Periodicity Control in Twinned Hexagonal Perovskite Dielectrics. Inorganic Chemistry, 2018, 57, 4117-4124.	4.0	3
117	Trigonal-Planar Low-Spin Co ²⁺ in a Layered Mixed-Polyhedral Network from Topotactic Reduction. Inorganic Chemistry, 2019, 58, 14193-14203.	4.0	3
118	Shift \times Twin Option in Eight-Layer Hexagonal Perovskite Niobates Ba ₈ MNb ₆ O ₂₄ . Inorganic Chemistry, 2020, 59, 16375-16384.	4.0	3
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