

Xiao-jun Kuang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Pressure-stabilized hexagonal perovskite-related isolated tetrahedral anion silicate La ₆ Sr ₃ Si ₆ O ₂₄ . Chinese Chemical Letters, 2023, 34, 107551.	9.0	5
2	Tetrahedral Alignment and Covalent Bonding Enable Fast Sodium Conduction in Na ₃ XS ₄ (X = P, V). Journal of Physical Chemistry C, 2022, 126, 6161-6170.	3.1	3
3	Tetrahedral Tilting and Oxygen Vacancy Stabilization and Migration in La ^{1-x} Sr ^{2+x} (GaO ₄)O ^{0.5-x} Mixed Electronic/Oxide Ionic Conductors. Inorganic Chemistry, 2022, 61, 5413-5424.	4.0	4
4	Oxide-ion conductivity optimization in BiVO ₄ scheelite by an acceptor doping strategy. Inorganic Chemistry Frontiers, 2022, 9, 2644-2658.	6.0	3
5	Multiple Anion Chemistry for Ionic Layer Thickness Tailoring in Bi _{2+2n} O _{2+2n} Se _n X ₂ (X = Cl, Br) van der Waals Semiconductors with Low Thermal Conductivities. Chemistry of Materials, 2022, 34, 4751-4764.	6.7	3
6	High Dielectric Permittivity of $\bar{1}\bar{1}$ -NaFeO ₂ -Type Layered Nitrides. Chemistry of Materials, 2022, 34, 4505-4513.	6.7	4
7	Borates as a new direction in the design of oxide ion conductors. Science China Materials, 2022, 65, 2737-2745.	6.3	8
8	Theoretical and Experimental Studies of Gallate Melilite Electrdes from Topotactic Reduction of Interstitial Oxide Ion Conductors. Inorganic Chemistry, 2022, 61, 10915-10924.	4.0	2
9	Rare earth elements based oxide ion conductors. Inorganic Chemistry Frontiers, 2021, 8, 1374-1398.	6.0	24
10	Phase formation and ionic conduction in Na-doped Sr ₂ MgSi ₂ O ₇ melilite-type silicate. Journal of Materials Chemistry A, 2021, 9, 22064-22071.	10.3	12
11	Shear-structured MoNb ₆ O ₁₈ as a new anode for lithium-ion batteries. Materials Advances, 2021, 2, 6272-6277.	5.4	6
12	Extended B-Site Vacancy Content Range and Cation Ordering in Twinned Hexagonal Perovskites Ba ₈ Cr _{4-x} Ta _{4+0.6x} O ₂₄ . Inorganic Chemistry, 2021, 60, 3282-3290.	4.0	2
13	Phase Evolution, Electrical Properties, and Conduction Mechanism of Ca ₁₂ Al ₁₄ Ga _x O ₃₃ (0 ≤ x ≤ 14) Ceramics Synthesized by a Glass Crystallization Method. Inorganic Chemistry, 2021, 60, 2446-2456.	4.0	8
14	Sodium Site Exchange and Migration in a Polar Stuffed-Cristobalite Framework Structure. Inorganic Chemistry, 2021, 60, 4322-4331.	4.0	2
15	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
16	Electrical Properties, Defect Structures, and Ionic Conducting Mechanisms in Alkali Tungstate Li ₂ W ₂ O ₇ . Inorganic Chemistry, 2021, 60, 8631-8639.	4.0	5
17	Bismuth-Based Halide Double Perovskite Cs ₂ LiBiCl ₆ : Crystal Structure, Luminescence, and Stability. Chemistry of Materials, 2021, 33, 5905-5916.	6.7	39
18	Molecular dynamics simulations of oxide ion migration in La ₂ Ga ₃ O _{7.5} with completely ordered interstitial oxide ions. Journal of Solid State Chemistry, 2021, 302, 122370.	2.9	8

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19	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
20	Experimental and Theoretical Solid-State ²⁹ Si NMR Studies on Defect Structures in La _{9.33+x} (SiO ₄) ₆ O _{2+1.5x} Apatite Oxide Ion Conductors. <i>Inorganic Chemistry</i> , 2021, 60, 16817-16825.	4.0	5
21	Enhanced Lithium Storage in Micrometer-Scale Tungsten Bronze Mo ₃ Nb ₂ O ₁₄ by Molybdenum Reduction and Oxygen Deficiency. <i>Advanced Materials Interfaces</i> , 2021, 8, 2101016.	3.7	4
22	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
23	Development of Melilite-Type Oxide Ion Conductors. <i>Chemical Record</i> , 2020, 20, 1117-1128.	5.8	23
24	La ₂ Ga ₃ 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
25	Modulated structure determination and ion transport mechanism of oxide-ion conductor CeNbO ₄ · $\frac{1}{2}$. <i>Nature Communications</i> , 2020, 11, 4751.	12.8	20
26	Shift of Twin Option in Eight-Layer Hexagonal Perovskite Niobates Ba ₈ MNb ₆ O ₂₄ . <i>Inorganic Chemistry</i> , 2020, 59, 16375-16384.	4.0	3
27	Structural Distortion and Dielectric Permittivities of KCoO ₂ -Type Layered Nitrides Ca _{1-x} Sr _x Ti ₂ . <i>Inorganic Chemistry</i> , 2020, 59, 9693-9698.	4.0	5
28	Electrical properties and oxide ion conducting mechanism in Na-doped LaPO ₄ . <i>Scripta Materialia</i> , 2020, 178, 527-532.	5.2	4
29	Ba ₈ CoNb ₆ Ta ₂ O ₂₄ Eight-Layer Shifted Hexagonal Perovskite Ceramics with Spontaneous Ta ⁵⁺ Ordering and Near-Zero $\bar{\mu}_r$. <i>Inorganic Chemistry</i> , 2019, 58, 10974-10982.	4.0	10
30	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
31	Structural Origin of Thermally Induced Second Harmonic Generation Enhancement in RbNaMgP ₂ O ₇ . <i>Chemistry of Materials</i> , 2019, 31, 9843-9849.	6.7	18
32	Trigonal-Planar Low-Spin Co ²⁺ in a Layered Mixed-Polyhedral Network from Topotactic Reduction. <i>Inorganic Chemistry</i> , 2019, 58, 14193-14203.	4.0	3
33	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
34	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
35	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
36	Boosting the Oxygen Evolution Reaction Activity of NiFe ₂ O ₄ Nanosheets by Phosphate Ion Functionalization. <i>ACS Omega</i> , 2019, 4, 3493-3499.	3.5	66

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37	Enhanced sodium ion conductivity in Na ₃ VS ₄ by P-doping. RSC Advances, 2019, 9, 39180-39186.	3.6	6
38	Oriented ZnIn ₂ Sm ₃ @In ₂ S ₃ heterojunction with hierarchical structure for efficient photocatalytic hydrogen evolution. Applied Catalysis B: Environmental, 2019, 244, 604-611.	20.2	120
39	High temperature dielectrics and defect characteristic of (Nb, Mn, Zr) modified 0.4(Ba _{0.8} Ca _{0.2})TiO ₃ –0.6Bi(Mg _{0.5} Ti _{0.5})O ₃ ceramics. Journal of Physics and Chemistry of Solids, 2018, 118, 99-108.	4.0	37
40	Non-Centrosymmetric RbNaMgP ₂ O ₇ with Unprecedented Thermo-Induced Enhancement of Second Harmonic Generation. Journal of the American Chemical Society, 2018, 140, 1592-1595.	13.7	200
41	High oxide ion conductivity in the Bi ³⁺ doped melilite LaSrGa ₃ O ₇ . Journal of Alloys and Compounds, 2018, 740, 143-147.	5.5	6
42	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. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	24
43	8H–10H Stacking Periodicity Control in Twinned Hexagonal Perovskite Dielectrics. Inorganic Chemistry, 2018, 57, 4117-4124.	4.0	3
44	First transparent oxide ion conducting ceramics synthesized by full crystallization from glass. Journal of Materials Chemistry A, 2018, 6, 5276-5289.	10.3	33
45	Innovative lithium storage enhancement in cation-deficient anatase via layered oxide hydrothermal transformation. Journal of Materials Chemistry A, 2018, 6, 24232-24244.	10.3	11
46	Cooperative mechanisms of oxygen vacancy stabilization and migration in the isolated tetrahedral anion Scheelite structure. Nature Communications, 2018, 9, 4484.	12.8	85
47	High Oxide Ion Conduction in Molten Na ₂ W ₂ O ₇ . Advanced Electronic Materials, 2018, 4, 1800352.	5.1	18
48	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. Journal of Electronic Materials, 2018, 47, 7106-7113.	2.2	12
49	Molecular dynamic simulation of interstitial oxide ion migration in Pb ₁ -La WO ₄ + ₂ scheelite. Journal of Solid State Chemistry, 2018, 268, 16-21.	2.9	9
50	Probing oxide-ion conduction in low-temperature SOFCs. Nano Energy, 2018, 50, 88-96.	16.0	22
51	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. Inorganic Chemistry, 2018, 57, 5732-5742.	4.0	10
52	Interlayer expansion of few-layered Mo-doped SnS ₂ nanosheets grown on carbon cloth with excellent lithium storage performance for lithium ion batteries. Journal of Materials Chemistry A, 2017, 5, 4075-4083.	10.3	96
53	Zero Thermal Expansion and Semiconducting Properties in PbTiO ₃ –Bi(Co) ₂ Ti ₂ O ₁₁ . Journal of Applied Physics, 2017, 121, 114101.	4.0	13
54	High-Dielectric-Permittivity Layered Nitride CaTiN ₂ . Chemistry of Materials, 2017, 29, 1989-1993.	6.7	18

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55	The structure, anion order, and Ce ³⁺ luminescence of Y ₄ Al ₂ O ₉ –Y ₄ Si ₂ O ₇ N ₂ solid solutions. <i>Journal of Materials Chemistry C</i> , 2017, 5, 4654-4660.		6
56	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
57	New eight-layer twinned hexagonal perovskite microwave dielectric ceramic Ba ₈ NiNb ₆ O ₂₄ . <i>Journal of the American Ceramic Society</i> , 2017, 100, 1212-1220.	3.8	13
58	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
59	Unraveling the correlation between oxide-ion motion and upconversion luminescence in $\text{La}_2\text{Mo}_2\text{O}_9:\text{Yb}^{3+}, \text{Er}^{3+}$ derivatives. <i>Journal of Materials Chemistry C</i> , 2017, 5, 10965-10970.	5.5	8
60	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
61	Phase formation and conductivity degradation of Sr _{1-x} K _x SiO ₃ –0.5x ionic conductors. <i>Journal of Materials Chemistry A</i> , 2016, 4, 6313-6318.	10.3	14
62	Flexible additive-free CC@TiO _x N _y @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
63	Double substitution induced tunable luminescent properties of Ca _{3-x} YxSc _{2-x} MgxSi ₃ O ₁₂ :Ce ³⁺ +phosphors for white LEDs. <i>Journal of Materials Chemistry C</i> , 2016, 4, 5671-5678.	5.5	32
64	Tuning the temperature coefficient of resonant frequency for 8-layer twinned hexagonal perovskite Ba ₈ ZnTa ₆ O ₂₄ ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 10078-10081.	2.2	3
65	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
66	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
67	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
68	Synthesis, crystal structure and photoluminescence properties of new blue-green Ba _{1-x} (PO ₃) ₂ :Eu ²⁺ (0 < x ≤ 0.040) phosphors for near ultraviolet based white light-emitting diodes. <i>RSC Advances</i> , 2015, 5, 42714-42720.	3.6	14
69	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
70	Aliovalent-substitution defect chemistry, crystalline-glassy phase separation and ionic conductivity in fresnoite Ba ₂ TiSi ₂ O ₈ -based materials. <i>Solid State Ionics</i> , 2015, 278, 157-165.	2.7	12
71	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
72	Bi _{1-x} Nb _{0.15+} (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

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73	Nonstoichiometric Control of Tunnel-Filling Order, Thermal Expansion, and Dielectric Relaxation in Tetragonal Tungsten Bronzes $\text{Ba}_{0.5}\text{TaO}_3$. <i>Inorganic Chemistry</i> , 2015, 54, 8978-8986.	4.0	5
74	Nanometer-scale separation of d_{10} Zn^{2+} -layers and twin-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
75	Structure of 18R shifted hexagonal perovskite $\text{La}_6\text{MgTi}_4\text{O}_{18}$ revisited by neutron diffraction. <i>Journal of Solid State Chemistry</i> , 2015, 221, 152-157.	2.9	2
76	Localization of Oxygen Interstitials in $\text{CeSrGa}_3\text{O}_7$ Melilite. <i>Inorganic Chemistry</i> , 2014, 53, 11589-11597.	4.0	21
77	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
78	Yb^{3+} site occupation and host sensitization luminescence of a novel near-infrared emitting $\text{Sr}_2\text{CaMoO}_6:\text{Yb}^{3+}$ phosphor. <i>Physica Status Solidi - Rapid Research Letters</i> , 2014, 8, 202-205.	2.4	7
79	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
80	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
81	Stabilization and tunable microwave dielectric properties of the rutile polymorph in PbO_2 -type GaTaO_4 -based ceramics. <i>Journal of Materials Chemistry C</i> , 2014, 2, 4957.	5.5	10
82	Solid-State ^{29}Si NMR and Neutron-Diffraction Studies of $\text{Sr}_{0.7}\text{K}_{0.3}\text{SiO}_{2.85}$ Oxide Ion Conductors. <i>Inorganic Chemistry</i> , 2014, 53, 6962-6968.	4.0	25
83	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
84	$\text{LiCa}_3\text{ZnV}_3\text{O}_{12}$: A novel low-firing, high Q microwave dielectric ceramic. <i>Ceramics International</i> , 2014, 40, 5015-5018.	4.8	48
85	Dielectric properties and high-temperature dielectric relaxation of $\text{Ba}_3\text{Ti}_4\text{Nb}_4\text{O}_{21}$ ceramic. <i>Materials Chemistry and Physics</i> , 2014, 143, 552-556.	4.0	22
86	Defect Structure, Phase Separation, and Electrical Properties of Nonstoichiometric Tetragonal Tungsten Bronze $\text{Ba}_{0.5}\text{TaO}_3$. <i>Inorganic Chemistry</i> , 2013, 52, 13244-13252.	4.0	14
87	Accumulation of versatile iodine species by a porous hydrogen-bonding $\text{Cu}(\text{ii})$ coordination framework. <i>Journal of Materials Chemistry A</i> , 2013, 1, 8575.	10.3	66
88	Transport and Magnetic Properties of MgFeVO_4 . <i>Japanese Journal of Applied Physics</i> , 2013, 52, 023001.	1.5	1
89	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
90	Dielectric and optical properties of $\text{Ba}_5\text{AFe}_{0.5}\text{Ta}_9.5\text{O}_{30}$ (A=K, Li) tungsten bronze ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 3891-3896.	2.2	6

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91	UV-Vis-NIR luminescence properties and energy transfer mechanism of LiSrPO ₄ :Eu ²⁺ , Pr ³⁺ suitable for solar spectral convertor. Optics Express, 2013, 21, 3161.	3.4	42
92	Conductivity, Dielectric Loss, and Electrical Heterogeneous Microstructure of Eight-Layer Twinned Hexagonal Perovskite Ceramics <sc><sc>Ba</sc></sc>₈<sc><sc>CuTa</sc></sc>₆<sc><sc>O</sc></sc>₂₄⁺¹ Journal of the American Ceramic Society, 2013, 96, 2510-2514.	3.8	12
93	Study on the effects of 5d energy locations of Ce ³⁺ ions on NIR quantum cutting process in Y ₂ SiO ₅ : Ce ³⁺ , Yb ³⁺ . Optics Express, 2012, 20, A510.	3.4	35
94	Enhanced emission of Mn ²⁺ via Ce ³⁺ →Mn ²⁺ energy transfer in $\hat{\Gamma}_4$ -Sr ₂ P ₂₀ O ₇ . Optics Express, 2012, 20, 28969.	3.4	19
95	Constructions of two polycatenanes and one polypseudo-rotaxane by discrete tetrahedral cages and stool-like building units. Scientific Reports, 2012, 2, 668.	3.3	41
96	Structure Refinement and Two-Center Luminescence of Ca ₃ La ₃ (BO ₃) ₅ :Ce ³⁺ under VUV→UV Excitation. Inorganic Chemistry, 2012, 51, 8802-8809.	4.0	55
97	Oxygen-deficiency-induced 6H-polymorph of hexagonal perovskite Ba ₄ YMn ₃ O _{11.5} ⁺ : synthesis, structure and properties. Journal of Materials Chemistry, 2012, 22, 8103.	6.7	10
98	Phase Relationships in the BaO→Ga ₂ O ₃ →Ta ₂ O ₅ System and the Structure of Ba ₆ Ga ₂₁ TaO ₄₀ . Inorganic Chemistry, 2012, 51, 7788-7793.	4.0	9
99	Promising Oxonitridosilicate Phosphor Host Sr ₃ Si ₂ O ₄ N ₂ : Synthesis, Structure, and Luminescence Properties Activated by Eu ²⁺ and Ce ³⁺ /Li ⁺ for pc-LEDs. Inorganic Chemistry, 2012, 51, 3540-3547.	4.0	76
100	Synthesis and luminescence properties of the lithium-containing lanthanum-oxycarbonate-like borates. Journal of Solid State Chemistry, 2012, 194, 225-232.	2.9	3
101	A dual-mode solar spectral converter CaLaGa ₃ S ₆ O:Ce ³⁺ ,Pr ³⁺ : UV-Vis-NIR luminescence properties and solar spectral converting mechanism. Journal of Materials Chemistry, 2012, 22, 2226-2232.	6.7	49
102	Polymorphism and Oxide Ion Migration Pathways in Fluorite-Type Bismuth Vanadate, Bi ₄₆ V ₈ O ₈₉ . Chemistry of Materials, 2012, 24, 2162-2167.	6.7	33
103	Remarkably High Oxide Ion Conductivity at Low Temperature in an Ordered Fluorite-Type Superstructure. Angewandte Chemie - International Edition, 2012, 51, 690-694.	13.8	62
104	New 8-Layer Twinned Hexagonal Perovskite Microwave Dielectric Ceramics Ba ₈ Ga ₄ →Ta _{4+0.6} O ₂₄ . Chemistry of Materials, 2011, 23, 5058-5067.	6.7	34
105	Nanotubular Metal-Organic Frameworks with High Porosity Based on T-Shaped Pyridyl Dicarboxylate Ligands. Inorganic Chemistry, 2011, 50, 1743-1748.	4.0	104
106	An intense charge transfer broadband sensitized near-infrared emitting CaLaGa ₃ S ₆ O:Yb ³⁺ phosphor suitable for solar spectral convertor. Optics Express, 2011, 19, 24314.	3.4	21
107	Annealing Effects on Conductivity and Microwave Dielectric Loss of MgTiO ₃ Ceramics. Japanese Journal of Applied Physics, 2011, 50, 065806.	1.5	6
108	A host sensitized reddish-orange Gd ₂ MoO ₆ :Sm ³⁺ phosphor for light emitting diodes. Applied Physics Letters, 2011, 98, .	3.3	110

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109	Annealing Effects on Conductivity and Microwave Dielectric Loss of MgTiO ₃ Ceramics. Japanese Journal of Applied Physics, 2011, 50, 065806.	1.5	3
110	Interstitial Oxide Ion Order and Conductivity in La _{1.64} Ca _{0.36} Ga ₃ O _{7.32} Melilite. Angewandte Chemie - International Edition, 2010, 49, 2362-2366.	13.8	44
111	Phase Stability Control of Interstitial Oxide Ion Conductivity in the La _{1+x} Sr _{1-x} Ga ₃ O _{7+x/2} Melilite Family. Chemistry of Materials, 2010, 22, 2510-2516.	6.7	51
112	Oxide Ion Conductivity, Phase Transitions, and Phase Separation in Fluorite-Based Bi ₃₈ Mo ₇ O ₇₈ +1.5. Chemistry of Materials, 2010, 22, 4484-4494.	6.7	27
113	Four New Dysprosium and Neodymium Octamolybdate Hydrates: Assembly of RE ₂ (Mo ₈ O ₂₇) Sheets and Topotactic Transformations. Inorganic Chemistry, 2010, 49, 6005-6012.	4.0	10
114	Frustration of Magnetic and Ferroelectric Long-Range Order in Bi ₂ Mn _{4/3} Ni _{2/3} O ₆ . Journal of the American Chemical Society, 2009, 131, 14000-14017.	13.7	27
115	Ionic Conductivity, Structure and Oxide Ion Migration Pathway in Fluorite-Based Bi ₈ La ₁₀ O ₂₇ . Chemistry of Materials, 2009, 21, 4661-4668.	6.7	17
116	Interstitial oxide ion conductivity in the layered tetrahedral network melilite structure. Nature Materials, 2008, 7, 498-504.	27.5	258
117	Isolation of Two-Dimensional 2:1 Cation-Ordered Perovskite Units by Anion Vacancy Ordering in Ba ₆ Na ₂ Nb ₂ P ₂ O ₁₇ . Inorganic Chemistry, 2008, 47, 8444-8450.	4.0	13
118	Far infrared reflection spectrum and IR-active modes of MgTiO ₃ . Journal of Applied Physics, 2008, 103, 074105.	2.5	16
119	Doping Effects of Ta on Conductivity and Microwave Dielectric Loss of MgTiO ₃ Ceramics. Journal of the American Ceramic Society, 2007, 90, 3142-3147.	3.8	26
120	Oxygen Vacancy Ordering Phenomena in the Mixed-Conducting Hexagonal Perovskite Ba ₇ Y ₂ Mn ₃ Ti ₂ O ₂₀ . Chemistry of Materials, 2007, 19, 2884-2893.	6.7	36
121	A Pure Bismuth Site Polar Perovskite Synthesized at Ambient Pressure. Angewandte Chemie - International Edition, 2007, 46, 8785-8789.	13.8	38
122	Internal Barrier Layer Capacitance Effect in Hexagonal Perovskite Ba ₄ YMn ₃ O _{11.5} Ceramics. Chemistry of Materials, 2006, 18, 5130-5136.	6.7	40
123	Dielectric Loss Spectrum of Ceramic MgTiO ₃ Investigated by AC Impedance and Microwave Resonator Measurements. Journal of the American Ceramic Society, 2006, 89, 241-246.	3.8	41
124	A Polar Oxide with a Large Magnetization Synthesized at Ambient Pressure.. ChemInform, 2006, 37, no.	0.0	0
125	A Polar Oxide with a Large Magnetization Synthesized at Ambient Pressure. Journal of the American Chemical Society, 2005, 127, 13790-13791.	13.7	76
126	A New Hexagonal 12-Layer Perovskite-Related Structure: Ba ₆ Ln ₂ Ti ₄ O ₁₇ (Ln: Nd and Y).. ChemInform, 2003, 34, no-no.	0.0	0

#	ARTICLE	IF	CITATIONS
127	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
128	A powder X-ray diffraction refinement of the $\text{BaNd}_2\text{Ti}_3\text{O}_{10}$ structure. <i>Materials Research Bulletin</i> , 2002, 37, 1755-1761.	5.2	9
129	Structure and Conductivity of Perovskites $\text{Sr}_{1-x}\text{La}_x\text{Ti}_2\text{Cr}_x\text{O}_3$. <i>Journal of Solid State Chemistry</i> , 2002, 165, 381-392.	2.9	19