

Chris Ling

List of Publications by Year in descending order

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183
papers

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109321

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#	ARTICLE	IF	CITATIONS
1	FeMn ₃ Ge ₂ Sn ₇ O ₁₆ : A Perfectly Isotropic 2-D KagomÃ© Lattice that Breaks Magnetic Symmetry with Partial Spin Order. Chemistry of Materials, 2022, 34, 1369-1375.	6.7	2
2	Magnetic ordering in the rhombohedral $\hat{1}\pm$ -DyGa ₃ . Journal of Alloys and Compounds, 2022, 903, 163906.	5.5	3
3	Phase Formation and Degradation of Na ₂ ZrO ₃ under CO ₂ Cycling Studied by <i>Ex Situ</i> and <i>In Situ</i> Diffraction. Inorganic Chemistry, 2022, 61, 6555-6561.	4.0	1
4	Defects and disorder in apatite-type silicate oxide ion conductors: implications for conductivity. Journal of Materials Chemistry A, 2022, 10, 14576-14584.	10.3	2
5	Insights into the high voltage layered oxide cathode materials in sodium-ion batteries: Structural evolution and anion redox. Journal of Power Sources, 2021, 481, 229139.	7.8	16
6	Nickel Metaphosphate as a Conversion Positive Electrode for Lithium-Ion Batteries. Batteries and Supercaps, 2021, 4, 195-204.	4.7	6
7	Crystal structure and magnetic properties of lithium orthophosphate LiMn _{0.9} Cu _{0.1} PO ₄ . AIP Conference Proceedings, 2021, . .	0.4	0
8	Magnetic anisotropy and spin dynamics in the kagome magnet $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \langle \text{mml:mrow} \langle \text{mml:msub} \langle \text{mml:mi} \text{Fe} \langle \text{mml:mn} \text{4} \langle \text{mml:mn} \rangle \langle \text{mml:mathvariant="normal"} \rangle \text{O} \langle \text{mml:mn} \text{16} \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle : \text{NMR and magnetic susceptibility study on oriented powder. Physical Review B, 2021, 103, .$	3.2	1
9	Lattice Disorder and Oxygen Migration Pathways in Pyrochlore and Defect-Fluorite Oxides. Chemistry of Materials, 2021, 33, 1407-1415.	6.7	24
10	Synthesis of 12 $\hat{1}^2$ -Methyl-18- <i>nor</i> -bile Acids. ACS Omega, 2021, 6, 25019-25039.	3.5	5
11	Expanded Chemistry and Proton Conductivity in Vanadium-Substituted Variants of $\hat{1}^3$ -Ba ₄ Nb ₂ O ₉ . Chemistry of Materials, 2021, 33, 7475-7483.	6.7	0
12	Crystal and Magnetic Structures of Monoclinic FeOHSO ₄ . Inorganic Chemistry, 2021, 60, 15128-15130.	4.0	1
13	Revisiting the cubic crystal structures of Sr ₄ Nb ₂ O ₉ and Sr ₅ Nb ₂ O ₁₀ . Journal of Solid State Chemistry, 2021, 303, 122502.	2.9	0
14	Revisiting the layered Na ₃ Fe ₃ (PO ₄) ₄ phosphate sodium insertion compound: structure, magnetic and electrochemical study. Materials Research Express, 2020, 7, 014001.	1.6	6
15	Elucidation of the high-voltage phase in the layered sodium ion battery cathode material P ₃ Na _{0.5} Ni _{0.25} Mn _{0.75} O ₂ . Journal of Materials Chemistry A, 2020, 8, 21151-21162.	10.3	20
16	Structure Evolution of Na ₂ O ₂ from Room Temperature to 500 Å°C. Inorganic Chemistry, 2020, 59, 14439-14446.	4.0	4
17	Alkali Metal-Modified P ₂ Na _x MnO ₂ : Crystal Structure and Application in Sodium-Ion Batteries. Inorganic Chemistry, 2020, 59, 12143-12155.	4.0	9
18	Frontispiece: Mechanistic Insight into Energy Transfer Dynamics and Color Tunability of Na ₄ CaSi ₃ O ₉ :Tb ³⁺ ,Eu ³⁺ for Warm White LEDs. Chemistry - A European Journal, 2020, 26, .	3.3	0

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19	Integrated Polyphenol-Based Hydrogel Templating Method for Functional and Structured Oxidic Nanomaterials. <i>Chemistry of Materials</i> , 2020, 32, 4716-4723.	6.7	9
20	Manganese Metaphosphate $Mn(PO_3)_2$ as a High-Performance Negative Electrode Material for Lithium-Ion Batteries. <i>ChemElectroChem</i> , 2020, 7, 2831-2837.	3.4	5
21	Synthesis, electrochemistry and transition metal-doping of monoclinic $Li_4Ti_5O_{12}$ and $Na_4Ti_5O_{12}$. <i>Solid State Ionics</i> , 2020, 353, 115375.	2.7	1
22	Interfacial Reactions between Lithium and Grain Boundaries from Anatase TiO_2 "TUD-1 Electrodes in Lithium-Ion Batteries with Enhanced Capacity Retention. <i>ACS Omega</i> , 2020, 5, 7584-7592.	3.5	3
23	Toward a Reversible Mn^{4+}/Mn^{2+} Redox Reaction and Dendrite-Free Zn Anode in Near-Neutral Aqueous Zn/MnO_2 Batteries via Salt Anion Chemistry. <i>Advanced Energy Materials</i> , 2020, 10, 1904163.	19.5	221
24	Effects of Mixed Valency in an Fe-Based Framework: Coexistence of Slow Magnetic Relaxation, Semiconductivity, and Redox Activity. <i>Inorganic Chemistry</i> , 2020, 59, 3619-3630.	4.0	15
25	Mechanistic Insight into Energy Transfer Dynamics and Color Tunability of $Na_4CaSi_3O_9:Tb^{3+},Eu^{3+}$ for Warm White LEDs. <i>Chemistry - A European Journal</i> , 2020, 26, 5619-5628.	3.3	18
26	Synthesis and crystal structures of two polymorphs of $Li_4Mg_1TeO_6$. <i>Journal of Solid State Chemistry</i> , 2020, 287, 121385.	2.9	4
27	Bimetallic metal-organic frameworks derived Ni-Co-Se@C hierarchical bundle-like nanostructures with high-rate pseudocapacitive lithium ion storage. <i>Energy Storage Materials</i> , 2019, 17, 374-384.	18.0	117
28	Multiple Competing Magnetic Interactions in $Na_4Ni_7(PO_4)_6$. <i>Journal of Physical Chemistry C</i> , 2019, 123, 19828-19834.	3.1	0
29	Order, Disorder, and Dynamics in Brownmillerite $Sr_2Fe_2O_5$. <i>Inorganic Chemistry</i> , 2019, 58, 12317-12324.	4.0	7
30	Synthesis-Controlled Polymorphism and Magnetic and Electrochemical Properties of $Li_3Co_2SbO_6$. <i>Inorganic Chemistry</i> , 2019, 58, 13881-13891.	4.0	22
31	Investigation of K modified $P_2Na_{0.7}Mn_{0.8}Mg_{0.2}O_2$ as a cathode material for sodium-ion batteries. <i>CrystEngComm</i> , 2019, 21, 172-181.	2.6	12
32	A new tri-nuclear Cu-carbonate cluster utilizing CO_2 as a C1-building block " reactive intermediates, a probable mechanism, and EPR and magnetic studies. <i>Dalton Transactions</i> , 2019, 48, 3576-3582.	3.3	6
33	Block copolymer-directed synthesis of porous anatase for lithium-ion battery electrodes. <i>Journal of Polymer Science Part A</i> , 2019, 57, 1890-1896.	2.3	7
34	Oxygen Dynamics in Transition Metal-Doped Bismuth Oxides. <i>Journal of Physical Chemistry C</i> , 2019, 123, 15877-15884.	3.1	4
35	Crystal and Magnetic Structures of Melilite-Type $Ba_2MnSi_2O_7$. <i>Inorganic Chemistry</i> , 2019, 58, 4164-4172.	4.0	8
36	Squeezing electrons out of 6s ² lone-pairs in perovskite-type oxides. <i>Chemical Communications</i> , 2019, 55, 3887-3890.	4.1	1

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37	Growth of LiCoO_2 Single Crystals by the TSFZ Method. <i>Crystal Growth and Design</i> , 2019, 19, 415-420.	3.0	8
38	In-situ synthesis of NiCoS nanoparticles embedded in novel carbon bowknots and flowers with pseudocapacitance-boosted lithium ion storage. <i>Nanotechnology</i> , 2019, 30, 155701.	2.6	9
39	Local Structure Adaptations and Oxide Ionic Conductivity in the Type III Stability Region of $(1-x)\text{TjETQq1} \cdot 1.0784314 \text{rgBT}_1/\text{Overlo}$	6.7	1
40	In situ growth of ZnO nanodots on carbon hierarchical hollow spheres as high-performance electrodes for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2018, 735, 1079-1087.	5.5	34
41	MOF-derived carbon-encapsulated cobalt sulfides orostachys-like micro/nano-structures as advanced anode material for lithium ion batteries. <i>Electrochimica Acta</i> , 2018, 290, 193-202.	5.2	46
42	Crystal structure and monoclinic distortion of glaserite-type $\text{Ba}_3\text{MnSi}_2\text{O}_8$. <i>Journal of Solid State Chemistry</i> , 2018, 266, 1-8.	2.9	1
43	Hydration Mechanisms and Proton Conduction in the Mixed Ionic-Electronic Conductors $\text{Ba}_4\text{Nb}_2\text{O}_9$ and $\text{Ba}_4\text{Ta}_2\text{O}_9$. <i>Chemistry of Materials</i> , 2018, 30, 4949-4958.	6.7	12
44	A spectroscopic and electrochemical investigation of a tetrathiafulvalene series of metal-organic frameworks. <i>Polyhedron</i> , 2018, 154, 334-342.	2.2	41
45	Experimental and computational study of the magnetic properties of $\text{ZrMn}_2\text{Co}_x\text{Ge}_4\text{O}_{12}$. <i>Dalton Transactions</i> , 2017, 46, 6921-6933.	3.3	7
46	Conformational Dynamics in an Organic Ionic Plastic Crystal. <i>Journal of Physical Chemistry B</i> , 2017, 121, 5439-5446.	2.6	38
47	Magnetic structure and properties of centrosymmetric twisted-melilite $\text{K}_2\text{Co}_2\text{O}_7$. <i>Dalton Transactions</i> , 2017, 46, 6409-6416.	3.3	10
48	Rational Design of a Commensurate (3 + 3)-D Modulated Structure within the Fast-Ion Conducting Stabilized Bi_2O_3 Series. <i>Chemistry of Materials</i> , 2017, 29, 9171-9181.	6.7	4
49	Stability and range of the type II $\text{Bi}_{1-x}\text{W}_x\text{O}_{1.5+1.5x}$ solid solution. <i>Solid State Ionics</i> , 2017, 308, 173-180.	2.7	6
50	Liquid-like Ionic Diffusion in Solid Bismuth Oxide Revealed by Coherent Quasielastic Neutron Scattering. <i>Chemistry of Materials</i> , 2017, 29, 7408-7415.	6.7	23
51	Striped magnetic ground state of the kagome lattice in Fe_4O_{16} . <i>Physical Review B</i> , 2017, 96, 040401.	3.2	7
52	A reinterpretation of the structural and magnetic properties of $\text{La}_{1-x}\text{Na}_x\text{SrMn}_2\text{O}_5$ (0.1 ≤ x ≤ 0.3). <i>Materials Chemistry and Physics</i> , 2017, 186, 1-4.	4.0	0
53	Striped magnetic ground state on an ideal $S = 2$ Kagomé lattice. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2017, 73, C1340-C1340.	0.1	0
54	Direct Observation of Pressure-Driven Valence Electron Transfer in $\text{Ba}_3\text{BiRu}_2\text{O}_9$, $\text{Ba}_3\text{BiRu}_2\text{O}_9$, and $\text{Ba}_4\text{BiRu}_3\text{O}_{12}$. <i>Inorganic Chemistry</i> , 2016, 55, 5649-5654.	4.0	5

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55	Ionothermal Synthesis of High-Voltage <i>Alluaudite</i> $\text{Na}_{2+2x}\text{Fe}_{2-x}(\text{SO}_4)_3$ Sodium Insertion Compound: Structural, Electronic, and Magnetic Insights. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 6982-6991.	8.0	66
56	Zig-zag magnetic ordering in honeycomb-layered $\text{Na}_3\text{Co}_2\text{SbO}_6$. <i>Journal of Solid State Chemistry</i> , 2016, 243, 18-22.	2.9	57
57	$\text{YCa}_3(\text{CrO})_3(\text{BO})_4$: A Cr^{3+} Kagomé Lattice Compound Showing No Magnetic Order down to 2 K. <i>Inorganic Chemistry</i> , 2016, 55, 7535-7541.	4.0	6
58	Phononic Structure Engineering: the Realization of Einstein Rattling in Calcium Cobaltate for the Suppression of Thermal Conductivity. <i>Scientific Reports</i> , 2016, 6, 30530.	3.3	1
59	Experimental observation and computational study of the spin-gap excitation in $\text{Ba}_3\text{BiRu}_2\text{O}_9$. <i>Physical Review B</i> , 2016, 94, .	3.2	9
60	Synthesis, structure and geometrically frustrated magnetism of the layered oxide-stannide compounds $\text{Fe}(\text{Fe}_{3-x}\text{Mn}_x)\text{Si}_2\text{Sn}_7\text{O}_{16}$. <i>Dalton Transactions</i> , 2016, 45, 9689-9694.	3.3	10
61	A New $n = 4$ Layered Ruddlesden-Popper Phase $\text{K}_{2.5}\text{Bi}_{2.5}\text{Ti}_4\text{O}_{13}$ Showing Stoichiometric Hydration. <i>Inorganic Chemistry</i> , 2016, 55, 1403-1411.	4.0	14
62	Structural evolution in synthetic, Ca-based sorbents for carbon capture. <i>Chemical Engineering Science</i> , 2016, 139, 15-26.	3.8	24
63	In situ studies of materials for high-temperature CO_2 capture and storage. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2015, 71, s344-s344.	0.1	0
64	Type II $\text{Bi}_{1+\delta}\text{W}_x\text{O}_{1.5+\delta}$: a $(3+\delta)$ -dimensional commensurate modulation that stabilizes the fast-ion conducting delta phase of bismuth oxide. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2015, 71, 679-687.	1.1	6
65	Energy and temperature dependence of rigid unit modes in AlPO_4 -5. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 21547-21554.	2.8	4
66	Neutron Laue diffraction study of the complex low-temperature magnetic behaviour of brownmillerite-type $\text{Ca}_2\text{Fe}_2\text{O}_5$. <i>Journal of Applied Crystallography</i> , 2015, 48, 273-279.	4.5	17
67	Long- and short-range structure studies of KBT-KBZ solid-solutions using synchrotron radiation. <i>Dalton Transactions</i> , 2015, 44, 10681-10688.	3.3	11
68	The AONSA Prize 2015. <i>Neutron News</i> , 2015, 26, 40-40.	0.2	1
69	Single crystal and magnetic structures of maricite-type AgMnVO_4 . <i>Journal of Solid State Chemistry</i> , 2015, 221, 306-310.	2.9	4
70	Single-Crystal Neutron Diffraction Study of Superstructure Ordering and Domain Behaviour in Brownmillerite-Type $\text{Ca}_2\text{Fe}_2\text{O}_5$. <i>Australian Journal of Chemistry</i> , 2014, 67, 1824.	0.9	1
71	Synthetic, Structural, and Electrochemical Study of Monoclinic $\text{Na}_4\text{Ti}_5\text{O}_{12}$ as a Sodium-Ion Battery Anode Material. <i>Chemistry of Materials</i> , 2014, 26, 7067-7072.	6.7	85
72	Structure-property relationships in fluorite-type Bi_2O_3 - Yb_2O_3 - PbO solid-electrolyte materials. <i>Powder Diffraction</i> , 2014, 29, S73-S77.	0.2	0

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73	Crystal structures of orthorhombic, hexagonal, and cubic compounds of the Sm(x)Yb(2-x)TiO5 series. Journal of Solid State Chemistry, 2014, 213, 182-192.	2.9	31
74	Comment on "Structural and Mössbauer study of the brownmillerite oxides LaSrMn2-xFexO5 (0 ≤ x ≤ 0.5)". Journal of Alloys and Compounds, 2014, 610, 212-213.	3.5	2
75	Structural, magnetic and electrochemical investigation of novel binary Na2-x(Fe1-yMny)P2O7 (0 ≤ y ≤ 1). Journal of Alloys and Compounds, 2014, 589, 305-311.	2.7	37
76	Magnetic structures of Li-Li2CoSiO4 and Li-Li2MnSiO4: Crystal structure type vs. magnetic topology. Journal of Solid State Chemistry, 2014, 216, 42-48.	2.9	11
77	Diffraction and spectroscopic study of pyrochlores Bi2-xFe1+xSbO7. Journal of Alloys and Compounds, 2014, 589, 425-430.	5.5	8
78	Synthesis and Characterization of the Crystal and Magnetic Structures and Properties of the Hydroxyfluorides Fe(OH)F and Co(OH)F. Inorganic Chemistry, 2014, 53, 365-374.	4.0	25
79	Structural relationships among LiNaMg[PO4]F and Na2M[PO4]F (M = Mn, Ni, and Mg), and the magnetic structure of LiNaNi[PO4]F. Dalton Transactions, 2014, 43, 2044-2051.	3.3	8
80	Studying the effects of Zr-doping in (Bi0.5Na0.5)TiO3 via diffraction and spectroscopy. Dalton Transactions, 2014, 43, 17358-17365.	3.3	17
81	Soft ferromagnetism in mixed valence Sr1-xLaxTi0.5Mn0.5O3 perovskites. Dalton Transactions, 2014, 43, 6909-6918.	3.3	7
82	Structural Disorder and Classical Spin-Glass Behaviour in Ba3Fe2SbO9. Australian Journal of Chemistry, 2014, 67, 1612.	0.9	2
83	Tuning the giant magnetoelastic transition in Ba3Bilr2O9 and Ba3BiRu2O9. Journal of Physics Condensed Matter, 2014, 26, 276003.	1.8	8
84	Key Role of Bismuth in the Magnetoelastic Transitions of Ba3Bilr2O9 and Ba3BiRu2O9 As Revealed by Chemical Doping. Inorganic Chemistry, 2014, 53, 952-960.	4.0	8
85	KrNiHkate-Type Na2Fe(SO4)2·2H2O as a Novel 3.25 V Insertion Compound for Na-Ion Batteries. Chemistry of Materials, 2014, 26, 1297-1299.	6.7	128
86	Magnetic Structure and Properties of the Rechargeable Battery Insertion Compound Na2FePO4F. Inorganic Chemistry, 2014, 53, 682-684.	4.0	30
87	An unconventional method for measuring the Tc-edge of technetium compounds. Journal of Synchrotron Radiation, 2014, 21, 1275-1281.	2.4	7
88	Long-range ordered magnetic structures in Li2MnSiO4 and Li2CoSiO4. Acta Crystallographica Section A: Foundations and Advances, 2014, 70, C1365-C1365.	0.1	0
89	Low-T magnetic anomaly in Ca2Fe2O5 studied by single-crystal neutron diffraction. Acta Crystallographica Section A: Foundations and Advances, 2014, 70, C1352-C1352.	0.1	0
90	Pressure-Induced Intersite Bi2M (M=Ru, Ir) Valence Transitions in Hexagonal Perovskites. Angewandte Chemie - International Edition, 2014, 53, 3414-3417.	13.8	14

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91	Metal oxide materials for high temperature CO ₂ sorption studies. Acta Crystallographica Section A: Foundations and Advances, 2014, 70, C69-C69.	0.1	0
92	Perovskites in low dimensional multi-layer structure types. Acta Crystallographica Section A: Foundations and Advances, 2014, 70, C1363-C1363.	0.1	0
93	Studying the structural and electronic effects of substituted (Bi _{0.5} Na _{0.5})TiO ₃ . Acta Crystallographica Section A: Foundations and Advances, 2014, 70, C1522-C1522.	0.1	0
94	Modulated order in ionic conductors: a fine line between helping and hindering. Acta Crystallographica Section A: Foundations and Advances, 2014, 70, C228-C228.	0.1	0
95	Combined Experimental and Computational Study of Oxide Ion Conduction Dynamics in Sr ₂ Fe ₂ O ₅ Brownmillerite. Chemistry of Materials, 2013, 25, 3080-3087.	6.7	55
96	Long-Range-Ordered Coexistence of 4-, 5-, and 6-Coordinate Niobium in the Mixed Ionic-Electronic Conductor $\text{Ba}_4\text{Nb}_2\text{O}_9$. Chemistry of Materials, 2013, 25, 3154-3161.	6.7	18
97	Magnetic Structures of NaFePO ₄ Maricite and Triphylite Polymorphs for Sodium-Ion Batteries. Inorganic Chemistry, 2013, 52, 8685-8693.	4.0	121
98	Phase behavior and mixed ionic-electronic conductivity of Ba ₄ Sb ₂ O ₉ . Solid State Ionics, 2013, 235, 1-7.	2.7	10
99	Na ₂ FeP ₂ O ₇ : A Safe Cathode for Rechargeable Sodium-ion Batteries. Chemistry of Materials, 2013, 25, 3480-3487.	6.7	291
100	Magnetic structure of Sr ₂ Fe ₂ O ₅ brownmillerite by single-crystal Mössbauer spectroscopy. Journal of Solid State Chemistry, 2013, 205, 5-9.	2.9	9
101	Sodium manganese fluorosulfate with a triplite structure. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2013, 69, 584-588.	1.1	9
102	Synthesis and characterization of the crystal structure and magnetic properties of the hydroxyfluoride MnF _{2-x} (OH) _x (x ≈ 0.8). Physical Chemistry Chemical Physics, 2013, 15, 13061.	2.8	9
103	Investigating the order-disorder phase transition in Nd _{2-x} YxZr ₂ O ₇ via diffraction and spectroscopy. Dalton Transactions, 2013, 42, 14875.	3.3	31
104	Magnetic Structure and Properties of the Na ₂ CoP ₂ O ₇ Pyrophosphate Cathode for Sodium-Ion Batteries: A Supersuperexchange-Driven Non-Collinear Antiferromagnet. Inorganic Chemistry, 2013, 52, 395-401.	4.0	51
105	Designing new n=2 Sillen-Aurivillius phases by lattice-matched substitutions in the halide and [Bi ₂ O ₂] ²⁺ layers. Journal of Solid State Chemistry, 2013, 205, 165-170.	2.9	17
106	Complex 5d Magnetism in a Novel S = 1/2 Trimer System, the 12L Hexagonal Perovskite Ba ₄ Bi ₃ O ₁₂ . Inorganic Chemistry, 2013, 52, 12461-12467.	4.0	10
107	Investigating the Local Structure of Lanthanoid Hafnates Ln ₂ Hf ₂ O ₇ via Diffraction and Spectroscopy. Journal of Physical Chemistry C, 2013, 117, 2266-2273.	3.1	80
108	Neutron Diffraction Study of the Li-Ion Battery Cathode Li ₂ FeP ₂ O ₇ . Inorganic Chemistry, 2013, 52, 3334-3341.	4.0	31

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109	A (3 + 3)-Dimensional Bi_2O_3 - Nb_2O_5 Oxide-Ionic Conductor: Type II. <i>Journal of the American Chemical Society</i> , 2013, 135, 6477-6484.	13.7	28
110	Ga Substitution and Oxygen Diffusion Kinetics in $\text{Ca}_3\text{Co}_4\text{O}_9$ -Based Thermoelectric Oxides. <i>Journal of Physical Chemistry C</i> , 2013, 117, 13382-13387.	3.1	32
111	Anion Disorder in Lanthanoid Zirconates $\text{Gd}_2\text{TbxZr}_2\text{O}_7$. <i>Inorganic Chemistry</i> , 2013, 52, 8409-8415.	4.0	20
112	Reversible CO_2 Absorption by the 6H Perovskite $\text{Ba}_4\text{Sb}_2\text{O}_9$. <i>Chemistry of Materials</i> , 2013, 25, 4881-4891.	6.7	17
113	Reversible CO_2 absorption by the 6H perovskite $\text{Ba}_4\text{Sb}_2\text{O}_9$. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2013, 69, s584-s584.	0.3	2
114	Coexistence of spin glass and antiferromagnetic orders in $\text{Ba}_3\text{Fe}_2.15\text{W}_0.85\text{O}_8.72$. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 206004.	1.8	3
115	Impact of Jahn-Teller active Mn^{3+} on strain effects and phase transitions in SrMn_3O_7 . <i>Chemistry of Materials</i> , 2012, 24, 4607-4614.	3.2	21
116	Up-scaling to larger systems and longer timescales: ab initio parameterization of classical force fields. <i>Neutron News</i> , 2012, 23, 20-25.	0.2	0
117	Local Structure, Dynamics, and the Mechanisms of Oxide Ionic Conduction in $\text{Bi}_{26}\text{Mo}_{10}\text{O}_{69}$. <i>Chemistry of Materials</i> , 2012, 24, 4607-4614.	6.7	30
118	Giant Magnetoelastic Effect at the Opening of a Spin-Gap in $\text{Ba}_3\text{Bi}_2\text{O}_9$. <i>Journal of the American Chemical Society</i> , 2012, 134, 3265-3270.	13.7	39
119	Sillen Aurivillius Intergrowth Phases as Templates for Naturally Layered Multiferroics. <i>Chemistry of Materials</i> , 2012, 24, 3932-3942.	6.7	28
120	Synthesis and characterization of the crystal structure, the magnetic and the electrochemical properties of the new fluorophosphate $\text{LiNaFe[PO}_4\text{]F}$. <i>Dalton Transactions</i> , 2012, 41, 11692.	3.3	15
121	Synthesis and Characterization of the Crystal Structure and Magnetic Properties of the New Fluorophosphate $\text{LiNaCo[PO}_4\text{]F}$. <i>Inorganic Chemistry</i> , 2012, 51, 8729-8738.	4.0	15
122	Floating-zone growth of brownmillerite $\text{Sr}_2\text{Fe}_2\text{O}_5$ and the observation of a chain-ordered superstructure by single-crystal neutron diffraction. <i>Solid State Ionics</i> , 2012, 225, 432-436.	2.7	29
123	Pronounced impact of atmospheric conditions on $\text{Ba}_4\text{Nb}_2\text{O}_9$ and $\text{Ba}_4\text{Ta}_2\text{O}_9$. <i>Solid State Ionics</i> , 2012, 225, 172-175.	2.7	2
124	Does Local Disorder Occur in the Pyrochlore Zirconates?. <i>Inorganic Chemistry</i> , 2012, 51, 13237-13244.	4.0	102
125	Ab initio parametrized polarizable force field for rutile-type SnO_2 . <i>Theoretical Chemistry Accounts</i> , 2012, 131, 1.	1.4	9
126	$\text{YCa}_3(\text{VO})_3(\text{BO})_4$: A Kagomé Compound Based on Vanadium(III) with a Highly Frustrated Ground State. <i>Chemistry of Materials</i> , 2011, 23, 1315-1322.	6.7	33

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127	Quantitative Analysis in the General Chemistry Laboratory: Training Students To Analyze Individual Results in the Context of Collective Data. <i>Journal of Chemical Education</i> , 2011, 88, 979-982.	2.3	3
128	Neutron diffraction study of diffuse scattering in Cu ₂ Y ₂ Se superionic compounds. <i>Journal of Alloys and Compounds</i> , 2011, 509, 5460-5465.	5.5	16
129	Phase diagram, chemical stability and physical properties of the solid-solution Ba ₄ Nb ₂ Ta ₂ O ₉ . <i>Journal of Solid State Chemistry</i> , 2011, 184, 2648-2654.	2.9	11
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