John Bleddyn Claridge

List of Publications by Year
in descending order

170 papers	9,958 citations	50566 48 h-index	42259 96 g-index
191 all docs	191 docs citations	191 times ranked	13099 citing authors

#	Article	IF	Citations
1	High-performance protonic ceramic fuel cell cathode using protophilic mixed ion and electron conducting material. Journal of Materials Chemistry A, 2022, 10, 2559-2566.	5.2	25
2	Enhanced Longâ€Term Cathode Stability by Tuning Interfacial Nanocomposite for Intermediate Temperature Solid Oxide Fuel Cells. Advanced Materials Interfaces, 2022, 9, .	1.9	3
3	Complex Structural Disorder in a Polar Orthorhombic Perovskite Observed through the Maximum Entropy Method/Rietveld Technique. Chemistry of Materials, 2022, 34, 29-42.	3.2	1
4	Cation Disorder and Large Tetragonal Supercell Ordering in the Li-Rich Argyrodite Li₇Zn_{0.5}SiS₆. Chemistry of Materials, 2022, 34, 4073-4087.	3.2	3
5	Band Structure Engineering of Bi₄O₄SeCl₂ for Thermoelectric Applications. ACS Organic & Inorganic Au, 2022, 2, 405-414.	1.9	7
6	One Site, Two Cations, Three Environments: s² and s⁰ Electronic Configurations Generate Pb-Free Relaxor Behavior in a Perovskite Oxide. Journal of the American Chemical Society, 2021, 143, 1386-1398.	6.6	9
7	Chemically Controllable Magnetic Transition Temperature and Magnetoâ€Elastic Coupling in MnZnSb Compounds. Advanced Functional Materials, 2021, 31, 2100108.	7.8	9
8	Li₆SiO₄Cl₂: A Hexagonal Argyrodite Based on Antiperovskite Layer Stacking. Chemistry of Materials, 2021, 33, 2206-2217.	3.2	6
9	Highly Absorbing Lead-Free Semiconductor Cu₂AgBiI₆ for Photovoltaic Applications from the Quaternary Culâ€“Aglâ€“BiI₃ Phase Space. Journal of the American Chemical Society, 2021, 143, 3983-3992.	6.6	59
10	High-throughput discovery of Hf promotion on the stabilisation of hcp Co and Fischer-Tropsch activity. Journal of Catalysis, 2021, 396, 315-323.	3.1	3
11	Discovery of a Low Thermal Conductivity Oxide Guided by Probe Structure Prediction and Machine Learning. Angewandte Chemie - International Edition, 2021, 60, 16457-16465.	7.2	13
12	Discovery of a Low Thermal Conductivity Oxide Guided by Probe Structure Prediction and Machine Learning. Angewandte Chemie, 2021, 133, 16593-16601.	1.6	0
13	Mode Crystallography Analysis through the Structural Phase Transition and Magnetic Critical Behavior of the Lacunar Spinel GaMo₄Se₈. Chemistry of Materials, 2021, 33, 5718-5729.	3.2	8
14	Low thermal conductivity in a modular inorganic material with bonding anisotropy and mismatch. Science, 2021, 373, 1017-1022.	6.0	76
15	Polymorph of LiAlP₂O₇: Combined Computational, Synthetic, Crystallographic, and Ionic Conductivity Study. Inorganic Chemistry, 2021, 60, 14083-14095.	1.9	7
16	Element selection for crystalline inorganic solid discovery guided by unsupervised machine learning of experimentally explored chemistry. Nature Communications, 2021, 12, 5561.	5.8	32
17	Extended Condensed Ultraphosphate Frameworks with Monovalent Ions Combine Lithium Mobility with High Computed Electrochemical Stability. Journal of the American Chemical Society, 2021, 143, 18216-18232.	6.6	7
18	Chemical Control of the Dimensionality of the Octahedral Network of Solar Absorbers from the Culâ€“Aglâ€“BiI₃ Phase Space by Synthesis of 3D CuAgBiI₅. Inorganic Chemistry, 2021, 60, 18154-18167.	1.9	15

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19	Li_{4.3}AlS_{3.3}Cl_{0.7}: A Sulfideâ€“Chloride Lithium Ion Conductor with Highly Disordered Structure and Increased Conductivity. Chemistry of Materials, 2021, 33, 8733-8744.	3.2	8
20	Ordered Oxygen Vacancies in the Lithium-Rich Oxide Li₄CuSbO_{5.5}, a Triclinic Structure Type Derived from the Cubic Rocksalt Structure. Inorganic Chemistry, 2021, 60, 19022-19034.	1.9	0
21	Modular Design via Multiple Anion Chemistry of the High Mobility van der Waals Semiconductor Bi₄O₄SeCl₂. Journal of the American Chemical Society, 2020, 142, 847-856.	6.6	29
22	A CO₂â€Tolerant Perovskite Oxide with High Oxide Ion and Electronic Conductivity. Advanced Materials, 2020, 32, e1905200.	11.1	39
23	Chemically directed structure evolution for crystal structure prediction. Physical Chemistry Chemical Physics, 2020, 22, 18205-18218.	1.3	9
24	Na2Fe2OS2, a new earth abundant oxysulphide cathode material for Na-ion batteries. Journal of Materials Chemistry A, 2020, 8, 20553-20569.	5.2	11
25	Interstitial Oxide Ion Conductivity in the Langasite Structure: Carrier Trapping by Formation of (Ga,Ge)₂O₈ Units in La₃Ga_{5â€“x}Ge_{1+x}O_{14+x/2} (0 <) Tj ETQq1 1 0.784314 rg	3.2	9
26	Computationally Guided Discovery of the Sulfide Li₃AlS₃ in the Liâ€“Alâ€“S Phase Field: Structure and Lithium Conductivity. Chemistry of Materials, 2019, 31, 9699-9714.	3.2	17
27	Chemical Control of Correlated Metals as Transparent Conductors. Advanced Functional Materials, 2019, 29, 1808609.	7.8	30
28	Selective conversion of 5-hydroxymethylfurfural to diketone derivatives over Beta zeolite-supported Pd catalysts in water. Journal of Catalysis, 2019, 375, 224-233.	3.1	31
29	Stabilization of Oâ€“O Bonds by d⁰ Cations in Li_{4+x}Ni_{1â€“x}WO₆ (0 â‰¤ x â‰¤ 0.25) Rock Salt Oxides as the Origin of Large Voltage Hysteresis. Journal of the American Chemical Society, 2019, 141, 7333-7346.	6.6	61
30	Bi_{2+2n}O_{2+2n}Cu_{2â^'Î´}Se_{2+nâ€“Î´}X_{Î´} (X = Cl, Br): A Three-Anion Homologous Series. Inorganic Chemistry, 2018, 57, 12489-12500.	1.9	15
31	Lithium Transport in Li4.4M0.4Mâ€²0.6S4 (M = Al3+, Ga3+, and Mâ€² = Ge4+, Sn4+): Combined Crystallographic, Conductivity, Solid State NMR, and Computational Studies. Chemistry of Materials, 2018, 30, 7183-7200.	3.2	28
32	Computational Prediction and Experimental Realization of p-Type Carriers in the Wide-Band-Gap Oxide SrZn_{1â€“x}Li_xO₂. Inorganic Chemistry, 2018, 57, 11874-11883.	1.9	6
33	A and B site doping of a phonon-glass perovskite oxide thermoelectric. Journal of Materials Chemistry A, 2018, 6, 15640-15652.	5.2	17
34	Structure determination and crystal chemistry of large repeat mixed-layer hexaferrites. IUCrJ, 2018, 5, 681-698.	1.0	14
35	AgBiI₄ as a Lead-Free Solar Absorber with Potential Application in Photovoltaics. Chemistry of Materials, 2017, 29, 1538-1549.	3.2	102
36	Self-assembled dynamic perovskite composite cathodes for intermediate temperature solid oxideÂfuel cells. Nature Energy, 2017, 2, .	19.8	95

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37	Nano-structured rhodium doped SrTiO3â€“Visible light activated photocatalyst for water decontamination. Applied Catalysis B: Environmental, 2017, 206, 547-555.	10.8	65
38	Selective conversion of 5-hydroxymethylfurfural to cyclopentanone derivatives over Cuâ€“Al₂O₃ and Coâ€“Al₂O₃ catalysts in water. Green Chemistry, 2017, 19, 1701-1713.	4.6	72
39	Accelerated discovery of two crystal structure types in a complex inorganic phase field. Nature, 2017, 546, 280-284.	13.7	61
40	Room Temperature Magnetically Ordered Polar Corundum GaFeO₃ Displaying Magnetoelectric Coupling. Journal of the American Chemical Society, 2017, 139, 1520-1531.	6.6	34
41	Bi₄O₄Cu_{1.7}Se_{2.7}Cl_{0.3}: Intergrowth of BiOCuSe and Bi₂O₂Se Stabilized by the Addition of a Third Anion. Journal of the American Chemical Society, 2017, 139, 15568-15571.	6.6	17
42	Phonon-glass electron-crystal behaviour by A site disorder in n-type thermoelectric oxides. Energy and Environmental Science, 2017, 10, 1917-1922.	15.6	52
43	Substitution of Re⁷⁺ into CaMnO₃: an efficient free electron generation dopant for tuning of thermoelectric properties. Physical Chemistry Chemical Physics, 2017, 19, 30781-30789.	1.3	12
44	Visible light photocatalysis by metal-to-metal charge transfer for degradation of methyl orange. Journal of Materials Chemistry A, 2016, 4, 12479-12486.	5.2	10
45	Catalytic Response and Stability of Nickel/Alumina for the Hydrogenation of 5â€Hydroxymethylfurfural in Water. ChemSusChem, 2016, 9, 521-531.	3.6	72
46	Controlling Phase Assemblage in a Complex Multiâ€Cation System: Phaseâ€Pure Room Temperature Multiferroic (1â^'x)BiTi_{(1â^'}_y_{)/2}Fe_yMg_{(1â^'}_y_{)/2}O₃. Advanced Functional Materials, 2016, 26, 2523-2531.	7.8	17
47	La₃Li₃W₂O₁₂: Ionic Diffusion in a Perovskite with Lithium on both A- and B-Sites. Chemistry of Materials, 2016, 28, 7833-7851.	3.2	27
48	The effect of Mg location on Co-Mg-Ru/Î³-Al ₂ O ₃ Fischerâ€“Tropsch catalysts. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20150087.	1.6	3
49	Interface control by chemical and dimensional matching in an oxide heterostructure. Nature Chemistry, 2016, 8, 347-353.	6.6	53
50	Probing the nuclear and magnetic structure of a complex ferromagnetic semiconductor. Acta Crystallographica Section A: Foundations and Advances, 2016, 72, s99-s99.	0.0	0
51	Room-temperature polarisation and magnetisation in a bulk layered perovskiteÂby control of octahedral tilt distortions Â. Acta Crystallographica Section A: Foundations and Advances, 2015, 71, s65-s65.	0.0	0
52	Proxy-based accelerated discovery of Fischerâ€“Tropsch catalysts. Chemical Science, 2015, 6, 935-944.	3.7	13
53	Anisotropic oxide ion conduction in melilite intermediate temperature electrolytes. Journal of Materials Chemistry A, 2015, 3, 3091-3096.	5.2	25
54	Computational Identification and Experimental Realization of Lithium Vacancy Introduction into the Olivine LiMgPO₄. Chemistry of Materials, 2015, 27, 2074-2091.	3.2	33

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55	Tilt engineering of spontaneous polarization and magnetization above 300 K in a bulk layered perovskite. Science, 2015, 347, 420-424.	6.0	181
56	Morphotropic Phase Boundary in the Pbâ€Free (1 â^') Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 712 Td (x)BiTi_{3/8}Fe<sub>System: Tetragonal Polarization and Enhanced Electromechanical Properties. Advanced Materials, 2015, 27, 2883-2889.	11.1	31
57	Oxygen permeation and stability of Mo-substituted BSCF membranes. Journal of Materials Chemistry A, 2015, 3, 18265-18272.	5.2	16
58	Designing switchable polarization and magnetization at room temperature in an oxide. Nature, 2015, 525, 363-366.	13.7	122
59	Synthesis, structure and conductivity studies of co-doped ceria: CeO2â^'Sm2O3â^'Ta2O5 (Nb2O5) solid solution. Journal of Physics and Chemistry of Solids, 2015, 76, 82-87.	1.9	10
60	Improved electrical mobility in highly epitaxial La:BaSnO3 films on SmScO3(110) substrates. Applied Physics Letters, 2014, 105, .	1.5	87
61	Photocatalytic Water Oxidation by a Pyrochlore Oxide upon Irradiation with Visible Light: Rhodium Substitution Into Yttrium Titanate. Angewandte Chemie - International Edition, 2014, 53, 14480-14484.	7.2	29
62	Engineered spatial inversion symmetry breaking in an oxide heterostructure built from isosymmetric room-temperature magnetically ordered components. Chemical Science, 2014, 5, 1599-1610.	3.7	30
63	Shape Selectivity by Guestâ€Đriven Restructuring of a Porous Material. Angewandte Chemie - International Edition, 2014, 53, 4592-4596.	7.2	98
64	Local Crystal Structure of Antiferroelectric Bi₂Mn_{4/3}Ni_{2/3}O₆ in Commensurate and Incommensurate Phases Described by Pair Distribution Function (PDF) and Reverse Monte Carlo (RMC) Modeling. Chemistry of Materials, 2014, 26, 2218-2232.	3.2	8
65	Reported and predicted structures of Ba(Co,Nb)1â^'ÎŃO3 hexagonal perovskite phases. Physical Chemistry Chemical Physics, 2014, 16, 21073-21081.	1.3	3
66	Computational prediction and experimental confirmation of B-site doping in YBa₂Fe₃O₈. Chemical Science, 2014, 5, 1493-1505.	3.7	11
67	Control of Co content and SOFC cathode performance in Y 1â^'y Sr 2+y Cu 3â^'x Co x O 7+Î΄. Solid State Sciences, 2014, 37, 23-32.	1.5	5
68	Structure and magnetism of the A site scandium perovskite (Sc 0.94 Mn 0.06)Mn 0.65 Ni 0.35 O 3 synthesized at high pressure. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2014, 372, 20130012.	1.6	9
69	Crystal structure of brownmillerite Ba2InGaO5. Journal of Solid State Chemistry, 2014, 218, 38-43.	1.4	29
70	Internal Activation Strain and Oxygen Mobility in a Thermally Stable Layered Fe³⁺ Oxide. Chemistry of Materials, 2013, 25, 3441-3457.	3.2	6
71	Comprehensive Study of DNA Binding on Iron(II,III) Oxide Nanoparticles with a Positively Charged Polyamine Three-Dimensional Coating. Langmuir, 2013, 29, 11354-11365.	1.6	15
72	Single Sublattice Endotaxial Phase Separation Driven by Charge Frustration in a Complex Oxide. Journal of the American Chemical Society, 2013, 135, 10114-10123.	6.6	27

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73	Effect of novel antibacterial gallium-carboxymethyl cellulose on Pseudomonas aeruginosa. Dalton Transactions, 2013, 42, 1778-1786.	1.6	30
74	1:1:1 Triple-Cation B-Site-Ordered and Oxygen-Deficient Perovskite Ca₄GaNbO₈: A Member of a Family of Anion-Vacancy-Based Cation-Ordered Complex Perovskites. Inorganic Chemistry, 2013, 52, 3795-3802.	1.9	6
75	Computationally Assisted Identification of Functional Inorganic Materials. Science, 2013, 340, 847-852.	6.0	62
76	BaFe₉LiO₁₅: A New Layered Antiferromagnetic Ferrite. Inorganic Chemistry, 2013, 52, 4866-4872.	1.9	3
77	Preparation of Fischerâ€“Tropsch Supported Cobalt Catalysts Using a New Gas Anti-Solvent Process. ACS Catalysis, 2013, 3, 764-772.	5.5	18
78	Perovskite Bâ€Site Compositional Control of [110]_p Polar Displacement Coupling in an Ambientâ€Pressureâ€Stable Bismuthâ€based Ferroelectric. Angewandte Chemie, 2012, 124, 10928-10933.	1.6	8
79	Perovskite Bâ€Site Compositional Control of [110]_p Polar Displacement Coupling in an Ambientâ€Pressureâ€Stable Bismuthâ€based Ferroelectric. Angewandte Chemie - International Edition, 2012, 51, 10770-10775.	7.2	15
80	Atomic layer deposition of anatase TiO2 coating on silica particles: growth, characterization and evaluation as photocatalysts for methyl orange degradation and hydrogen production. Journal of Materials Chemistry, 2012, 22, 20203.	6.7	25
81	Chemical control of octahedral tilting and off-axis A cation displacement allows ferroelectric switching in a bismuth-based perovskite. Chemical Science, 2012, 3, 1426.	3.7	25
82	A Polar Corundum Oxide Displaying Weak Ferromagnetism at Room Temperature. Journal of the American Chemical Society, 2012, 134, 3737-3747.	6.6	73
83	Artificial Construction of the Layered Ruddlesdenâ€“Popper Manganite La₂Sr₂Mn₃O₁₀ by Reflection High Energy Electron Diffraction Monitored Pulsed Laser Deposition. Journal of the American Chemical Society, 2012, 134, 7700-7714.	6.6	29
84	Chemical Bonding and Atomic Structure in Y₂O₃:ZrO₂â€SrTiO₃ Layered Heterostructures. Angewandte Chemie, 2012, 124, 3474-3478.	1.6	2
85	Chemical Bonding and Atomic Structure in Y₂O₃:ZrO₂â€SrTiO₃ Layered Heterostructures. Angewandte Chemie - International Edition, 2012, 51, 3418-3422.	7.2	9
86	Local Structure of a Pure Bi A Site Polar Perovskite Revealed by Pair Distribution Function Analysis and Reverse Monte Carlo Modeling: Correlated Off-Axis Displacements in a Rhombohedral Material. Journal of the American Chemical Society, 2012, 134, 5836-5849.	6.6	21
87	Room temperature oxidation of methyl orange and methanol over Ptâ€“HCa₂Nb₃O₁₀and Ptâ€“WO₃catalysts without light. Chemical Communications, 2011, 47, 881-883.	2.2	30
88	New 8-Layer Twinned Hexagonal Perovskite Microwave Dielectric Ceramics Ba₈Ga_{4â€“x}Ta_{4+0.6x}O₂₄. Chemistry of Materials, 2011, 23, 5058-5067.	3.2	34
89	Cation vacancy order in the K0.8+xFe1.6â^'ySe2 system: Five-fold cell expansion accommodates 20% tetrahedral vacancies. Chemical Science, 2011, 2, 1054.	3.7	69
90	Synthesis of high surface area CuMn2O4 by supercritical anti-solvent precipitation for the oxidation of CO at ambient temperature. Catalysis Science and Technology, 2011, 1, 740.	2.1	50

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91	Visible Light Photo-oxidation of Model Pollutants Using CaCu₃Ti₄O₁₂: An Experimental and Theoretical Study of Optical Properties, Electronic Structure, and Selectivity. Journal of the American Chemical Society, 2011, 133, 1016-1032.	6.6	130
92	Chemical Bonding Assembly of Multifunctional Oxide Nanocomposites. Advanced Functional Materials, 2010, 20, 231-238.	7.8	30
93	Interstitial Oxide Ion Order and Conductivity in La_{1.64}Ca_{0.36}Ga₃O_{7.32} Melilite. Angewandte Chemie - International Edition, 2010, 49, 2362-2366.	7.2	44
94	Phasoid intergrowth between the double perovskite Sr2MgMoO6 and the n=2 R-P phase Sr3Mo2O7. Solid State Ionics, 2010, 181, 889-893.	1.3	2
95	Phase Stability Control of Interstitial Oxide Ion Conductivity in the La1+xSr1â^'xGa3O7+x/2 Melilite Family. Chemistry of Materials, 2010, 22, 2510-2516.	3.2	51
96	Nanoporous Amino Acid Derived Material Formed via In-Situ Dimerization of Aspartic Acid. Crystal Growth and Design, 2010, 10, 2977-2982.	1.4	17
97	An Adaptable Peptide-Based Porous Material. Science, 2010, 329, 1053-1057.	6.0	356
98	Stabilization of a Complex Perovskite Superstructure under Ambient Conditions: Influence of Cation Composition and Ordering, and Evaluation as an SOFC Cathode. Chemistry of Materials, 2010, 22, 6598-6615.	3.2	19
99	Incommensurate BiMO3perovskites: Bi2Mn2/3M2/3Ni2/3O6and Bi2Mâ€²Mâ€²â€²O6. Acta Crystallographica Section A: Foundations and Advances, 2010, 66, s211-s212.	0.3	0
100	Structural Phase Transitions and Superconductivity in Fe_{1+Î´}Se_{0.57}Te_{0.43} at Ambient and Elevated Pressures. Journal of the American Chemical Society, 2009, 131, 16944-16952.	6.6	104
101	New Nanocrystalline Cu/MnO_x Catalysts Prepared from Supercritical Antisolvent Precipitation. ChemCatChem, 2009, 1, 247-251.	1.8	44
102	Frustration of Magnetic and Ferroelectric Long-Range Order in Bi₂Mn_{4/3}Ni_{2/3}O₆. Journal of the American Chemical Society, 2009, 131, 14000-14017.	6.6	27
103	In situ preparation of network forming gold nanoparticles in agarose hydrogels. Chemical Communications, 2009, , 6661.	2.2	22
104	B Cation Ordered Double Perovskite Ba₂CoMo_{0.5}Nb_{0.5}O_{6-Î´} As a Potential SOFC Cathode. Chemistry of Materials, 2009, 21, 5154-5162.	3.2	65
105	Interstitial oxide ion conductivity in the layered tetrahedral network melilite structure. Nature Materials, 2008, 7, 498-504.	13.3	258
106	Highly Conducting Redox Stable Pyrochlore Oxides. Chemistry of Materials, 2008, 20, 6911-6916.	3.2	28
107	The chemical response of main-group extended solids to formal mixed valency: the case of Li _x BC. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2008, 366, 55-62.	1.6	9
108	Particle sizeâ€“activity relationship for CoFe2O4 nanoparticle CO oxidation catalysts. Journal of Materials Chemistry, 2008, 18, 5518.	6.7	30

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109	Isolation of Two-Dimensional 2:1 Cation-Ordered Perovskite Units by Anion Vacancy Ordering in Ba₆Na₂Nb₂P₂O₁₇. Inorganic Chemistry, 2008, 47, 8444-8450.	1.9	13
110	Modular Construction of Oxide Structuresâ€"Compositional Control of Transition Metal Coordination Environments. Journal of the American Chemical Society, 2008, 130, 7570-7583.	6.6	14
111	Methane Oxyforming for Synthesis Gas Production. Catalysis Reviews - Science and Engineering, 2007, 49, 511-560.	5.7	200
112	Sr2MgMoO6-Î´:Â Structure, Phase Stability, and Cation Site Order Control of Reduction. Chemistry of Materials, 2007, 19, 1035-1043.	3.2	113
113	High-Temperature Processing of Ba₃ZnTa₂O₉:â€‰ an In situ Study Using Synchrotron X-ray Powder Diffraction. Chemistry of Materials, 2007, 19, 4731-4740.	3.2	15
114	Oxygen Vacancy Ordering Phenomena in the Mixed-Conducting Hexagonal Perovskite Ba7Y2Mn3Ti2O20. Chemistry of Materials, 2007, 19, 2884-2893.	3.2	36
115	Cation ordering/disordering kinetics in Ba3CoNb2O9: An in situ study using synchrotron x-ray powder diffraction. Applied Physics Letters, 2007, 91, 222901.	1.5	15
116	Crystal structure, microwave dielectric properties and AC conductivity of B-cation deficient hexagonal perovskites La5MxTi4â€“xO15 (x = 0.5, 1; M = Zn, Mg, Ga, Al). Journal of Materials Chemistry, 2006, 16, 1038.	6.7	43
117	Chemical Control of Electronic Structure and Superconductivity in Layered Borides and Borocarbides:Â Understanding the Absence of Superconductivity in LixBC. Journal of the American Chemical Society, 2006, 128, 10043-10053.	6.6	49
118	New 10-Layer Hexagonal Perovskites: Relationship between Cation and Vacancy Ordering and Microwave Dielectric Loss. Chemistry of Materials, 2006, 18, 6227-6238.	3.2	28
119	Internal Barrier Layer Capacitance Effect in Hexagonal Perovskite Ba4YMn3O11.5 Ceramics. Chemistry of Materials, 2006, 18, 5130-5136.	3.2	40
120	Anion Composition Control and Magnetic Short- and Long-Range Order in Transition Metal Oxide Hydrides. Chemistry of Materials, 2006, 18, 3046-3056.	3.2	14
121	Bi2ZnTiO6:â€‰ A Lead-Free Closed-Shell Polar Perovskite with a Calculated Ionic Polarization of 150 Î¼C cm-2. Chemistry of Materials, 2006, 18, 4987-4989.	3.2	182
122	A Polar Oxide with a Large Magnetization Synthesized at Ambient Pressure.. ChemInform, 2006, 37, no.	0.1	0
123	Ba8CoNb6O24: A d0 Dielectric Oxide Host Containing Ordered d7 Cation Layers 1.88 nm Apart. Angewandte Chemie - International Edition, 2005, 44, 7733-7736.	7.2	33
124	A Polar Oxide with a Large Magnetization Synthesized at Ambient Pressure. Journal of the American Chemical Society, 2005, 127, 13790-13791.	6.6	76
125	Design, Chirality, and Flexibility in Nanoporous Molecule-Based Materials. Accounts of Chemical Research, 2005, 38, 273-282.	7.6	1,228
126	Permanent Microporosity and Enantioselective Sorption in a Chiral Open Framework. Journal of the American Chemical Society, 2004, 126, 6106-6114.	6.6	510

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127	Magnetism in oxide chains bridged with the hydride anion: LaSrCoO3H0.7 studied using muon-spin rotation. Physica B: Condensed Matter, 2003, 326, 527-531.	1.3	9
128	Zr4O5N2â^' Intergrowth of Fluorite and Bixbyite Anion Layers Formed by Coupled Site-Selective Anion and Vacancy Ordering. Chemistry of Materials, 2003, 15, 1547-1553.	3.2	12
129	Cation Site and Anion Charge Ordering in Body-Centered Cubic-Packed Fullerides with Complex Counterions. Chemistry of Materials, 2003, 15, 1497-1504.	3.2	7
130	A Complex Fulleride SuperstructureDecoupling Cation Vacancy and Anion Orientational Ordering in Ca3+xC60 with Maximum Entropy Data Analysis. Chemistry of Materials, 2003, 15, 1830-1839.	3.2	8
131	Synthesis and characteristion of LixBCâ€"hole doping does not induce superconductivity. Chemical Communications, 2003, , 1348-1349.	2.2	27
132	Vibrational properties of hexagonal LiBC: Infrared and Raman spectroscopy. Physical Review B, 2003, 68, .	1.1	13
133	Ba8ZnTa6O24: a high-Q microwave dielectric from a potentially diverse homologous series. Applied Physics Letters, 2003, 82, 4537-4539.	1.5	68
134	LiBC electronic, vibrational, structural, and low-temperature chemical behavior of a layered material isoelectronic withMgB2. Physical Review B, 2003, 67, .	1.1	41
135	Spin, Charge, and Orbital Ordering in the B-Site Diluted Manganates La2-xSrxGaMnO6. Chemistry of Materials, 2002, 14, 425-434.	3.2	9
136	Flexible Sorption and Transformation Behavior in a Microporous Metal-Organic Framework. Journal of the American Chemical Society, 2002, 124, 9574-9581.	6.6	268
137	Sr3NiRhO6 and Sr3CuRhO6â€"Two New One-Dimensional Oxides. Magnetic Behavior as a Function of Structure: Commensurate vs Incommensurate. Journal of Solid State Chemistry, 2002, 164, 220-229.	1.4	28
138	The Hydride Anion in an Extended Transition Metal Oxide Array: LaSrCoO3H0.7. Science, 2002, 295, 1882-1884.	6.0	252
139	Layered Cobalt Hydroxysulfates with Both Rigid and Flexible Organic Pillars:â€‰ Synthesis, Structure, Porosity, and Cooperative Magnetism. Journal of the American Chemical Society, 2001, 123, 10584-10594.	6.6	207
140	Effect of carburising agent on the structure of molybdenum carbides. Journal of Materials Chemistry, 2001, 11, 3094-3098.	6.7	96
141	The size distribution, imaging and obstructing properties of C60 and higher fullerenes formed within arc-grown single walled carbon nanotubes. Chemical Physics Letters, 2000, 316, 191-198.	1.2	192
142	Growth of single crystals belonging to a family of one-dimensional oxides: commensurate and incommensurate structures. Journal of Crystal Growth, 2000, 211, 452-457.	0.7	19
143	Preparation of molybdenum carbide-based catalysts for deep HDN. Comptes Rendus De L'Academie Des Sciences - Series IIc: Chemistry, 2000, 3, 451-458.	0.1	2
144	Dry reforming of methane to synthesis gas over supported molybdenum carbide catalysts. Catalysis Letters, 2000, 70, 117-122.	1.4	148

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145	A superspace approach to the composition flexible composite Ba1+x(CuxIr1â^'x)O3 (x=0.2708). Solid State Sciences, 2000, 2, 503-512.	0.8	15
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