

# Jianming Bai

## List of Publications by Year in descending order

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123  
papers

8,088  
citations

81900

39  
h-index

48315

88  
g-index

131  
all docs

131  
docs citations

131  
times ranked

10180  
citing authors

#	ARTICLE	IF	CITATIONS
1	Atomic packing and short-to-medium-range order in metallic glasses. <i>Nature</i> , 2006, 439, 419-425.	27.8	1,758
2	A zero-strain layered metal oxide as the negative electrode for long-life sodium-ion batteries. <i>Nature Communications</i> , 2013, 4, 2365.	12.8	515
3	Amorphous Hierarchical Porous GeO <sub>x</sub> as High-Capacity Anodes for Li Ion Batteries with Very Long Cycling Life. <i>Journal of the American Chemical Society</i> , 2011, 133, 20692-20695.	13.7	288
4	Promotion of water-mediated carbon removal by nanostructured barium oxide/nickel interfaces in solid oxide fuel cells. <i>Nature Communications</i> , 2011, 2, 357.	12.8	280
5	Investigation of structural and electronic properties of graphene oxide. <i>Applied Physics Letters</i> , 2011, 99, .	3.3	252
6	Direct visualization of the Jahn-Teller effect coupled to Na ordering in Na <sub>5/8</sub> MnO <sub>2</sub> . <i>Nature Materials</i> , 2014, 13, 586-592.	27.5	237
7	Anomalous Pseudocapacitive Behavior of a Nanostructured, Mixed-Valent Manganese Oxide Film for Electrical Energy Storage. <i>Nano Letters</i> , 2012, 12, 3483-3490.	9.1	234
8	Icosahedral Short-Range Order in Amorphous Alloys. <i>Physical Review Letters</i> , 2004, 92, 145502.	7.8	216
9	A Size-Dependent Sodium Storage Mechanism in Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> Investigated by a Novel Characterization Technique Combining in Situ X-ray Diffraction and Chemical Sodiation. <i>Nano Letters</i> , 2013, 13, 4721-4727.	9.1	212
10	In Situ Probing and Synthetic Control of Cationic Ordering in Ni-Rich Layered Oxide Cathodes. <i>Advanced Energy Materials</i> , 2017, 7, 1601266.	19.5	200
11	Lithium-Doping Stabilized High-Performance P <sub>2</sub> -Na <sub>0.66</sub> Li <sub>0.18</sub> Fe <sub>0.12</sub> Mn <sub>0.7</sub> O <sub>2</sub> Cathode for Sodium Ion Batteries. <i>Journal of the American Chemical Society</i> , 2019, 141, 6680-6689.	13.7	187
12	Microbial synthesis and the characterization of metal-substituted magnetites. <i>Solid State Communications</i> , 2001, 118, 529-534.	1.9	168
13	High energy-density and reversibility of iron fluoride cathode enabled via an intercalation-extrusion reaction. <i>Nature Communications</i> , 2018, 9, 2324.	12.8	136
14	TiS <sub>2</sub> as a high performance potassium ion battery cathode in ether-based electrolyte. <i>Energy Storage Materials</i> , 2018, 12, 216-222.	18.0	129
15	The interplay between thermodynamics and kinetics in the solid-state synthesis of layered oxides. <i>Nature Materials</i> , 2020, 19, 1088-1095.	27.5	129
16	Synthetic Control of Kinetic Reaction Pathway and Cationic Ordering in High-Ni Layered Oxide Cathodes. <i>Advanced Materials</i> , 2017, 29, 1606715.	21.0	127
17	Cationic Ordering Coupled to Reconstruction of Basic Building Units during Synthesis of High-Ni Layered Oxides. <i>Journal of the American Chemical Society</i> , 2018, 140, 12484-12492.	13.7	113
18	High-Rate Charging Induced Intermediate Phases and Structural Changes of Layer-Structured Cathode for Lithium-Ion Batteries. <i>Advanced Energy Materials</i> , 2016, 6, 1600597.	19.5	110

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19	Overpotential-Dependent Phase Transformation Pathways in Lithium Iron Phosphate Battery Electrodes. <i>Chemistry of Materials</i> , 2010, 22, 5845-5855.	6.7	109
20	What is the Role of Nb in Nickel-Rich Layered Oxide Cathodes for Lithium-Ion Batteries?. <i>ACS Energy Letters</i> , 0, , 1377-1382.	17.4	107
21	Electrochemical decomposition of Li <sub>2</sub> CO <sub>3</sub> in NiO@Li <sub>2</sub> CO <sub>3</sub> nanocomposite thin film and powder electrodes. <i>Journal of Power Sources</i> , 2012, 218, 113-118.	7.8	93
22	Insights into Li/Ni ordering and surface reconstruction during synthesis of Ni-rich layered oxides. <i>Journal of Materials Chemistry A</i> , 2019, 7, 513-519.	10.3	92
23	Nanospheres of a New Intermetallic FeSn <sub>5</sub> Phase: Synthesis, Magnetic Properties and Anode Performance in Li-ion Batteries. <i>Journal of the American Chemical Society</i> , 2011, 133, 11213-11219.	13.7	88
24	Intrinsic Role of Cationic Substitution in Tuning Li/Ni Mixing in High-Ni Layered Oxides. <i>Chemistry of Materials</i> , 2019, 31, 2731-2740.	6.7	85
25	Phase transition behavior of NaCrO <sub>2</sub> during sodium extraction studied by synchrotron-based X-ray diffraction and absorption spectroscopy. <i>Journal of Materials Chemistry A</i> , 2013, 1, 11130.	10.3	84
26	Kinetic Limitations in Single-Crystal High-Nickel Cathodes. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 17350-17355.	13.8	84
27	In Situ XRD Studies of ZnO/GaN Mixtures at High Pressure and High Temperature: Synthesis of Zn-Rich (Ga <sub>1-x</sub> Zn <sub>x</sub> )(N <sub>1-x</sub> O <sub>x</sub> ) Photocatalysts. <i>Journal of Physical Chemistry C</i> , 2010, 114, 1809-1814.	3.1	71
28	Visible Light-Driven H <sub>2</sub> Production over Highly Dispersed Ruthenia on Rutile TiO <sub>2</sub> Nanorods. <i>ACS Catalysis</i> , 2016, 6, 407-417.	11.2	71
29	Ionic Conduction in Cubic Na <sub>3</sub> Ti <sub>3</sub> O <sub>9</sub> N, a Secondary Na-Ion Battery Cathode with Extremely Low Volume Change. <i>Chemistry of Materials</i> , 2014, 26, 3295-3305.	6.7	68
30	Investigation of the structural changes in Li <sub>1-x</sub> FePO <sub>4</sub> upon charging by synchrotron radiation techniques. <i>Journal of Materials Chemistry</i> , 2011, 21, 11406.	6.7	64
31	Explore the Effects of Microstructural Defects on Voltage Fade of Li- and Mn-Rich Cathodes. <i>Nano Letters</i> , 2016, 16, 5999-6007.	9.1	64
32	Elucidation of the surface characteristics and electrochemistry of high-performance LiNiO <sub>2</sub> . <i>Chemical Communications</i> , 2016, 52, 4239-4242.	4.1	62
33	In Situ Hydrothermal Synthesis of LiFePO <sub>4</sub> Studied by Synchrotron X-ray Diffraction. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 1874-1878.	4.6	60
34	Quantification of Honeycomb Number-Type Stacking Faults: Application to Na <sub>3</sub> Ni <sub>2</sub> BiO <sub>6</sub> Cathodes for Na-Ion Batteries. <i>Inorganic Chemistry</i> , 2016, 55, 8478-8492.	4.0	51
35	Structure Tracking Aided Design and Synthesis of Li <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> Nanocrystals as High-Power Cathodes for Lithium Ion Batteries. <i>Chemistry of Materials</i> , 2015, 27, 5712-5718.	6.7	50
36	Localized concentration reversal of lithium during intercalation into nanoparticles. <i>Science Advances</i> , 2018, 4, eaao2608.	10.3	50

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37	In situ X-ray absorption and diffraction studies of carbon coated LiFe <sub>1/4</sub> Mn <sub>1/4</sub> Co <sub>1/4</sub> Ni <sub>1/4</sub> PO <sub>4</sub> cathode during first charge. <i>Electrochemistry Communications</i> , 2009, 11, 913-916.	4.7	49
38	A lithiation/delithiation mechanism of monodispersed MSn <sub>5</sub> (M = Fe, Co and FeCo) nanospheres. <i>Journal of Materials Chemistry A</i> , 2015, 3, 7170-7178.	10.3	47
39	<i>In Situ</i> Diffraction Study of the High-Temperature Decomposition of Zirconia. <i>Journal of the American Ceramic Society</i> , 2015, 98, 247-254.	3.8	42
40	Synergistic effect from coaxially integrated CNTs@MoS <sub>2</sub> /MoO <sub>2</sub> composite enables fast and stable lithium storage. <i>Journal of Energy Chemistry</i> , 2021, 55, 449-458.	12.9	42
41	Boosting energy efficiency of Li-rich layered oxide cathodes by tuning oxygen redox kinetics and reversibility. <i>Energy Storage Materials</i> , 2021, 35, 388-399.	18.0	42
42	Microanalysis of alkali-activated fly ash-CH pastes. <i>Cement and Concrete Research</i> , 2002, 32, 963-972.	11.0	41
43	Unraveling Na and F coupling effects in stabilizing Li, Mn-rich layered oxide cathodes via local ordering modification. <i>Energy Storage Materials</i> , 2020, 31, 459-469.	18.0	41
44	On the origin of enhanced thermoelectricity in Fe doped Ca <sub>3</sub> Co <sub>4</sub> O <sub>9</sub> . <i>Journal of Materials Chemistry C</i> , 2013, 1, 4114.	5.5	39
45	Characterization of the Fe-Doped Mixed-Valent Tunnel Structure Manganese Oxide KOMS-2. <i>Journal of Physical Chemistry C</i> , 2011, 115, 21610-21619.	3.1	38
46	A new in situ synchrotron X-ray diffraction technique to study the chemical delithiation of LiFePO <sub>4</sub> . <i>Chemical Communications</i> , 2011, 47, 7170.	4.1	36
47	pH-Dependent Appearance of Chiral Structure in a Langmuir Monolayer. <i>Journal of Physical Chemistry B</i> , 2000, 104, 5797-5802.	2.6	34
48	Cooling Induced Surface Reconstruction during Synthesis of High-Ni Layered Oxides. <i>Advanced Energy Materials</i> , 2019, 9, 1901915.	19.5	34
49	Kinetic Pathways Templated by Low-Temperature Intermediates during Solid-State Synthesis of Layered Oxides. <i>Chemistry of Materials</i> , 2020, 32, 9906-9913.	6.7	34
50	Backbone orientational order in fatty acid monolayers at the air-water interface. <i>Physical Review E</i> , 1998, 58, 7686-7690.	2.1	32
51	1.3 V superwide potential window sponsored by Na-Mn-O plates as cathodes towards aqueous rechargeable sodium-ion batteries. <i>Chemical Engineering Journal</i> , 2019, 370, 742-748.	12.7	32
52	Hydrogen-Bonding Interactions in Hybrid Aqueous/Nonaqueous Electrolytes Enable Low-Cost and Long-Lifespan Sodium-Ion Storage. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 22862-22872.	8.0	32
53	CoSn <sub>5</sub> Phase: Crystal Structure Resolving and Stable High Capacity as Anodes for Li Ion Batteries. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 1488-1492.	4.6	31
54	Solvothermal Synthesis of LiMn <sub>1-x</sub> Fe <sub>x</sub> PO <sub>4</sub> Cathode Materials: A Study of Reaction Mechanisms by Time-Resolved in Situ Synchrotron X-ray Diffraction. <i>Journal of Physical Chemistry C</i> , 2015, 119, 2266-2276.	3.1	29

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55	Improvement of Li-S battery electrochemical performance with 2D TiS <sub>2</sub> additive. <i>Electrochimica Acta</i> , 2018, 292, 779-788.	5.2	29
56	Effect of Headgroup Dissociation on the Structure of Langmuir Monolayers. <i>Langmuir</i> , 2000, 16, 1239-1242.	3.5	28
57	Electrochemical Behavior of Electrolytic Manganese Dioxide in Aqueous KOH and LiOH Solutions: A Comparative Study. <i>Journal of the Electrochemical Society</i> , 2016, 163, A356-A363.	2.9	28
58	<i>In Situ</i> Tracking Kinetic Pathways of Li <sup>+</sup> /Na <sup>+</sup> Substitution during Ion-Exchange Synthesis of Li <sub>x</sub> Na <sub>1.5-x</sub> VOPO <sub>4</sub> F <sub>0.5</sub> . <i>Journal of the American Chemical Society</i> , 2017, 139, 12504-12516.	13.7	28
59	Synthesis and Structure of Perovskite ScMnO <sub>3</sub> . <i>Inorganic Chemistry</i> , 2013, 52, 9692-9697.	4.0	27
60	A structural change in Ca <sub>3</sub> Co <sub>4</sub> O <sub>9</sub> associated with enhanced thermoelectric properties. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 455602.	1.8	26
61	Thermal behavior of polyhalite: a high-temperature synchrotron XRD study. <i>Physics and Chemistry of Minerals</i> , 2017, 44, 125-135.	0.8	26
62	Interplay between two-phase and solid solution reactions in high voltage spinel cathode material for lithium ion batteries. <i>Journal of Power Sources</i> , 2013, 242, 736-741.	7.8	24
63	Residual stress characterization of Al/SiC nanoscale multilayers using X-ray synchrotron radiation. <i>Thin Solid Films</i> , 2010, 519, 759-765.	1.8	23
64	High-Temperature Thermodynamics of Cerium Silicates, A-Ce <sub>2</sub> Si <sub>2</sub> O <sub>7</sub> , and Ce <sub>4.67</sub> (SiO <sub>4</sub> ) <sub>3</sub> O. <i>ACS Earth and Space Chemistry</i> , 2020, 4, 2129-2143.	2.7	23
65	<i>Operando</i> structural and chemical evolutions of TiS <sub>2</sub> in Na-ion batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 12339-12350.	10.3	23
66	High-temperature oxidation of advanced FeCrNi alloy in steam environments. <i>Applied Surface Science</i> , 2017, 426, 562-571.	6.1	21
67	In-situ dehydration studies of fully K-, Rb-, and Cs-exchanged natrolites. <i>American Mineralogist</i> , 2011, 96, 393-401.	1.9	20
68	<i>In Situ</i> Neutron Diffraction Studies of the Ion Exchange Synthesis Mechanism of Li <sub>2</sub> Mg <sub>2</sub> P <sub>3</sub> O <sub>9</sub> N: Evidence for a Hidden Phase Transition. <i>Journal of the American Chemical Society</i> , 2017, 139, 9192-9202.	13.7	19
69	<i>Operando</i> Multi-modal Synchrotron Investigation for Structural and Chemical Evolution of Cupric Sulfide (CuS) Additive in Li-S battery. <i>Scientific Reports</i> , 2017, 7, 12976.	3.3	18
70	The Role of Water and Hydroxyl Groups in the Structures of Stetindite and Coffinite, MSiO <sub>4</sub> (M = Ce, U). <i>Inorganic Chemistry</i> , 2021, 60, 718-735.	4.0	18
71	Crossover of thermal expansion from positive to negative by removing the excess fluorines in cubic ReO <sub>3</sub> -type TiZrF <sub>7-x</sub> . <i>Journal of Materials Chemistry C</i> , 2018, 6, 5148-5152.	5.5	17
72	Grazing incidence X-ray diffraction studies on the structures of polyurethane films and their effects on adhesion to Al substrates. <i>Polymer</i> , 2003, 44, 6663-6674.	3.8	16

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73	NaAlTi <sub>3</sub> O <sub>8</sub> , A Novel Anode Material for Sodium Ion Battery. <i>Scientific Reports</i> , 2017, 7, 162.	3.3	16
74	Conditioning the Surface and Bulk of High-Nickel Cathodes with a Nb Coating: An <i>in Situ</i> X-ray Study. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 7908-7913.	4.6	16
75	Layer Ordering and Faulting in(GaAs) <sub>n</sub> /(AlAs) <sub>n</sub> Ultrashort-Period Superlattices. <i>Physical Review Letters</i> , 2003, 91, 106103.	7.8	15
76	Guiding Synthesis of Polymorphs of Materials Using Nanometric Phase Diagrams. <i>Journal of the American Chemical Society</i> , 2018, 140, 17290-17296.	13.7	15
77	Revealing Reaction Pathways of Collective Substituted Iron Fluoride Electrode for Lithium Ion Batteries. <i>ACS Nano</i> , 2020, 14, 10276-10283.	14.6	14
78	Ultrafast solid-liquid intercalation enabled by targeted microwave energy delivery. <i>Science Advances</i> , 2020, 6, .	10.3	12
79	Two Length Scales and Crossover Behavior in the Critical Diffuse Scattering fromV <sub>2</sub> H. <i>Physical Review Letters</i> , 1998, 81, 2276-2279.	7.8	11
80	Anomalous-X-ray scattering associated with short-range order in an Al <sub>70</sub> Ni <sub>15</sub> Co <sub>15</sub> decagonal quasicrystal. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2000, 294-296, 299-302.	5.6	11
81	X-ray diffraction from CuPt-ordered III-V ternary semiconductor alloy films. <i>Physical Review B</i> , 2001, 63, .	3.2	11
82	Assessment of a synchrotron X-ray method for quantitative analysis of calcium hydroxide. <i>Cement and Concrete Research</i> , 2003, 33, 1553-1559.	11.0	11
83	Atomic scattering factor for a spherical wave and near-field effects in x-ray fluorescence holography. <i>Physical Review B</i> , 2003, 68, .	3.2	11
84	Isotropic Low Thermal Expansion over a Wide Temperature Range in Ti <sub>1-x</sub> Zr <sub>x</sub> F <sub>3+x</sub> (0.1 ≤ x ≤ 0.5) Solid Solutions. <i>Inorganic Chemistry</i> , 2018, 57, 14396-14400.	4.0	11
85	<i>in situ</i> synchrotron pair distribution function analysis to monitor synthetic pathways under electromagnetic excitation. <i>Journal of Materials Chemistry A</i> , 2020, 8, 15909-15918.	10.3	11
86	Synthesis and Processing by Design of High-Nickel Cathode Materials. <i>Batteries and Supercaps</i> , 2022, 5, .	4.7	11
87	Ambient synthesis, characterization, and electrochemical activity of LiFePO <sub>4</sub> nanomaterials derived from iron phosphate intermediates. <i>Nano Research</i> , 2015, 8, 2573-2594.	10.4	10
88	Li <sub>15</sub> P <sub>4</sub> S <sub>16</sub> Cl <sub>3</sub> , a Lithium Chlorothiophosphate as a Solid-State Ionic Conductor. <i>Inorganic Chemistry</i> , 2020, 59, 226-234.	4.0	9
89	Design nanoporous metal thin films <i>via</i> solid state interfacial dealloying. <i>Nanoscale</i> , 2021, 13, 17725-17736.	5.6	9
90	Combined computational and experimental investigation of the La <sub>2</sub> CuO <sub>4-x</sub> S <sub>x</sub> (0 ≤ x ≤ 4) quaternary system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 7890-7895.	7.1	8

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91	Enhanced Formation of Solvent-Shared Ion Pairs in Aqueous Calcium Perchlorate Solution toward Saturated Concentration or Deep Supercooling Temperature and Its Effects on the Water Structure. <i>Journal of Physical Chemistry B</i> , 2019, 123, 9654-9667.	2.6	8
92	Atomic-scale structural and chemical evolution of Li <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> cathode cycled at high voltage window. <i>Nano Research</i> , 2019, 12, 1675-1681.	10.4	8
93	3D Morphology of Bimodal Porous Copper with Nano-Sized and Micron-Sized Pores to Enhance Transport Properties for Functional Applications. <i>ACS Applied Nano Materials</i> , 2020, 3, 7524-7534.	5.0	8
94	Probing Kinetics of Water-in-Salt Aqueous Batteries with Thick Porous Electrodes. <i>ACS Central Science</i> , 2021, 7, 1676-1687.	11.3	8
95	Structural studies of NH <sub>4</sub> -exchanged natrolites at ambient conditions and high temperature. <i>American Mineralogist</i> , 2011, 96, 1308-1315.	1.9	7
96	The Effect of Silver Ion Occupancy on Hollandite Lattice Structure. <i>MRS Advances</i> , 2018, 3, 547-552.	0.9	6
97	Anion and cation co-doping of Na <sub>4</sub> SnS <sub>4</sub> as sodium superionic conductors. <i>Materials Today Physics</i> , 2020, 15, 100281.	6.0	6
98	Change from a bulk discontinuous phase transition in V <sub>2</sub> H to a continuous transition in a defective near-surface skin layer. <i>Modelling and Simulation in Materials Science and Engineering</i> , 2000, 8, 269-275.	2.0	5
99	Determination of the order parameter of CuPt-Bordered GaInP <sub>2</sub> films by x-ray diffraction. <i>Journal of Applied Physics</i> , 2002, 91, 9039-9042.	2.5	5
100	Structural, magnetic, and transport studies of La <sub>0.8</sub> MnO <sub>3</sub> films. <i>Journal of Applied Physics</i> , 2002, 92, 4518-4523.	2.5	5
101	Structural studies of annealed ultrathin La <sub>0.8</sub> MnO <sub>3</sub> films. <i>Applied Physics Letters</i> , 2002, 80, 2663-2665.	3.3	5
102	Influence of strain on the atomic and electronic structure of manganite films. <i>Journal of Physics and Chemistry of Solids</i> , 2007, 68, 458-463.	4.0	5
103	Residual Stress Analysis of Boronized AISI 1018 Steel by Synchrotron Radiation. <i>Journal of Materials Engineering and Performance</i> , 2008, 17, 730-732.	2.5	5
104	Adhesion of a rigid polyurethane foam to zinc phosphated steel. <i>Journal of Adhesion Science and Technology</i> , 2003, 17, 1351-1368.	2.6	4
105	Chemical and Hydrostatic Pressure in Natrolites: Pressure-Induced Hydration of an Aluminogermanate Natrolite. <i>Journal of Physical Chemistry C</i> , 2010, 114, 18805-18811.	3.1	4
106	Multi-Modal Synchrotron Characterization: Modern Techniques and Data Analysis. , 2020, , 39-64.		4
107	Increased performance with 12-mrad sagittal-focusing monochromator. <i>AIP Conference Proceedings</i> , 2000, , .	0.4	3
108	X-ray study of antiphase boundaries in the quadruple-period ordered GaAs <sub>0.87</sub> Sb <sub>0.13</sub> alloy. <i>Journal of Applied Physics</i> , 2001, 90, 644-649.	2.5	3

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109	Observation of anomalous phonons in orthorhombic rare-earth manganites. Applied Physics Letters, 2010, 97, 262905.	3.3	3
110	A New Intermetallic NiSn <sub>5</sub> Phase: Induced Synthesis, Crystal Structure Resolution, and Investigation of Its Mechanism. Journal of Physical Chemistry Letters, 2019, 10, 2561-2566.	4.6	3
111	Synthesis and Processing by Design of High-Nickel Cathode Materials. Batteries and Supercaps, 2022, 5, .	4.7	3
112	Depth-dependent critical behavior in $V_2H_2$ Physical Review B, 2009, 79, .	4.2	2
113	Kinetic Limitations in Single-Crystal High-Nickel Cathodes. Angewandte Chemie, 2021, 133, 17490-17495.	2.0	2
114	Monte Carlo ray-tracing error analysis of a sagittal-focusing optical system as applied to synchrotron radiation. Review of Scientific Instruments, 2002, 73, 1499-1501.	1.3	1
115	Transmission of x-ray polarization through glass capillary fibers. Review of Scientific Instruments, 2003, 74, 23-27.	1.3	1
116	Interfacial Structures of Polyurethane Thin Films on Various Substrate Materials. Polymer Journal, 2003, 35, 929-937.	2.7	1
117	Direct extraction of quantitative structural information from x-ray fluorescence holograms using spherical-harmonic analysis. Physical Review B, 2012, 85, .	3.2	1
118	Effect of the polyurethane crystalline interphase formed at an Al surface on water-vapor absorption. Journal of Applied Polymer Science, 2003, 89, 1417-1422.	2.6	0
119	X-ray characterization of atomic-layer superlattices. Journal Physics D: Applied Physics, 2005, 38, A147-A153.	2.8	0
120	Scaled Up Pulsed Deposition Technology: Carburization Resistant Ablation Coatings for Ethylene Pyrolysis Coils. Materials Research Society Symposia Proceedings, 2005, 890, 1.	0.1	0
121	Mechanisms for species-selective oriented crystal growth at organic templates. Journal of Materials Research, 2007, 22, 2785-2790.	2.6	0
122	Rate-dependent Reversal of Lithium Concentration During Intercalation into Li <sub>x</sub> FePO <sub>4</sub> Nanoparticles. Microscopy and Microanalysis, 2018, 24, 1482-1483.	0.4	0
123	Multimodal Analysis of Reaction Pathways of Cathode Materials for Lithium Ion Batteries. Microscopy and Microanalysis, 2020, 26, 906-908.	0.4	0