

Lijun Wu

List of Publications by Year in descending order

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140
papers

6,852
citations

57758
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all docs

145
docs citations

145
times ranked

11575
citing authors

#	ARTICLE	IF	CITATIONS
1	Cascade of Spin-State Transitions in the Intermetallic Marcasite FeP ₂ . Chemistry of Materials, 2022, 34, 2025-2033.	6.7	3
2	Toward fully automated UED operation using two-stage machine learning model. Scientific Reports, 2022, 12, 4240.	3.3	2
3	Photoinduced evolution of lattice orthorhombicity and conceivably enhanced ferromagnetism in LaMnO ₃ membranes. Npj Quantum Materials, 2022, 7, .	5.2	8
4	Direct Detection of V-V Atom Dimerization and Rotation Dynamic Pathways upon Ultrafast Photoexcitation in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>VO</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow>	8.9 ⁶	
5	Vacancy defect control of colossal thermopower in FeSb ₂ . Npj Quantum Materials, 2021, 6, .	5.2	13
6	Visualizing lattice dynamic behavior by acquiring a single time-resolved MeV diffraction image. Journal of Applied Physics, 2021, 129, 054901.	2.5	4
7	Ingredients for enhanced thermoelectric power at cryotemperatures in the correlated semiconductor CoSbS revealed by its optical response. Physical Review B, 2021, 103, .	3.2	1
8	Coexistence and Coupling of Multiple Charge Orderings and Spin States in Hexagonal Ferrite. Nano Letters, 2021, 21, 5782-5787.	9.1	2
9	Antiphase-Boundary-Engineered Domain Switching in a (110)-Oriented BiFeO ₃ Film. ACS Applied Electronic Materials, 2021, 3, 3226-3233.	4.3	4
10	Accurate prediction of mega-electron-volt electron beam properties from UED using machine learning. Scientific Reports, 2021, 11, 13890.	3.3	3
11	Signature of Many-Body Localization of Phonons in Strongly Disordered Superlattices. Nano Letters, 2021, 21, 7419-7425.	9.1	1
12	Photoinduced Topological Insulator to Dirac Semimetal Transition in ZrTe ₅ . Microscopy and Microanalysis, 2021, 27, 2718-2719.	0.4	0
13	Toward the Understanding of the Reaction Mechanism of Zn/MnO ₂ Batteries Using Non-alkaline Aqueous Electrolytes. Chemistry of Materials, 2021, 33, 7283-7289.	6.7	27
14	Re-entrance to a ferromagnetic insulator with oxygen-vacancy ordering in the La _{0.7} Sr _{0.3} MnO ₃ /SrTiO ₃ superlattice. Journal of Materials Chemistry A, 2021, 9, 26717-26726.	10.3	2
15	Photoinduced anisotropic lattice dynamic response and domain formation in thermoelectric SnSe. Npj Quantum Materials, 2021, 6, .	5.2	6
16	Mapping valence electron distributions with multipole density formalism using 4D-STEM. Ultramicroscopy, 2020, 219, 113095.	1.9	11
17	Quantitative temporally and spatially resolved X-ray fluorescence microprobe characterization of the manganese dissolution-deposition mechanism in aqueous Zn/MnO ₂ batteries. Energy and Environmental Science, 2020, 13, 4322-4333.	30.8	72
18	Toward monochromated sub-nanometer UEM and femtosecond UED. Scientific Reports, 2020, 10, 16171.	3.3	8

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19	Tuning Irreversible Magnetoresistance in $\text{Pr}_{0.67}\text{Sr}_{0.33}\text{MnO}_3$ Film via Octahedral Rotation. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 43222-43230.	8.0	4
20	The Effects of Vanadium Substitution on One-dimensional Tunnel Structures of Cryptomelane: Combined TEM and DFT Study. <i>Microscopy and Microanalysis</i> , 2020, 26, 3162-3164.	0.4	0
21	Photoinduced Dirac semimetal in ZrTe_5 . <i>Npj Quantum Materials</i> , 2020, 5, .	5.2	21
22	Nonmonotonic crossover in electronic phase separated manganite superlattices driven by the superlattice period. <i>Physical Review B</i> , 2020, 102, .	3.2	6
23	Nonequilibrium Electron and Lattice Dynamics of Strongly Correlated Quantum Materials. <i>Microscopy and Microanalysis</i> , 2020, 26, 210-211.	0.4	1
24	Unraveling the Dissolution-Mediated Reaction Mechanism of MnO_2 Cathodes for Aqueous Zn^{+} Batteries. <i>Small</i> , 2020, 16, e2005406.	10.0	58
25	Concurrent probing of electron-lattice dephasing induced by photoexcitation in $\text{Ag}_{1.2}\text{V}_{x}\text{Mn}_{8-x}\text{O}_{16}$ -TaSeTe using ultrafast electron diffraction. <i>Physical Review B</i> , 2020, 101, .		
26	Metastability and Reversibility of Anionic Redox-Based Cathode for High-Energy Rechargeable Batteries. <i>Cell Reports Physical Science</i> , 2020, 1, 100028.	5.6	37
27	Vanadium-Substituted Tunnel Structured Silver Hollandite ($\text{Ag}_{1.2}\text{V}_{x}\text{Mn}_{8-x}\text{O}_{16}$): Impact on Morphology and Electrochemistry. <i>Inorganic Chemistry</i> , 2020, 59, 3783-3793.	4.0	4
28	Direct Observation of Alternating Octahedral and Prismatic Sodium Layers in O_3Ti Type Transition Metal Oxides. <i>Advanced Energy Materials</i> , 2020, 10, 2001151.	19.5	39
29	Kinetic pathways of ionic transport in fast-charging lithium titanate. <i>Science</i> , 2020, 367, 1030-1034.	12.6	197
30	Water-induced formation of an alkali-ion dimer in cryptomelane nanorods. <i>Chemical Science</i> , 2020, 11, 4991-4998.	7.4	2
31	Quantitative Analysis of Topological, Chiral Spin Textures Stabilized by the Dzyaloshinskii-Moriya Interaction in Co/Pd Multilayers. <i>Microscopy and Microanalysis</i> , 2019, 25, 22-23.	0.4	0
32	Revealing Insights into $\text{Li}_{x}\text{FePO}_4$ Nanocrystals with Magnetic Order at Room Temperature Resulting in Trapping of Li Ions. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 4794-4799.	4.6	7
33	Emerging Microscopy for Quantum Information Sciences. <i>Microscopy and Microanalysis</i> , 2019, 25, 928-929.	0.4	0
34	Atomically imaged crystal structure and normal-state properties of superconducting $\text{Ca}_{10}\text{Pt}_4\text{As}_8((\text{Fe}_{1-x}\text{Pt}_x)_2\text{As}_2)_5$. <i>Physical Review B</i> , 2019, 100, .	3.2	3
35	Thickness-dependent polarization-induced intrinsic magnetoelectric effects in $\text{Ca}_{10}\text{Pt}_4\text{As}_8((\text{Fe}_{1-x}\text{Pt}_x)_2\text{As}_2)_5$. <i>Physical Review B</i> , 2019, 100, .	3.2	24
36	Thickness-dependent magnetic order in CrI_3 single crystals. <i>Scientific Reports</i> , 2019, 9, 13599.	3.3	47

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37	Photoinduced dynamics of nematic order parameter in FeSe. <i>Physical Review B</i> , 2019, 99, .	3.2	14
38	Low-temperature microstructural studies on superconducting CaFe ₂ As ₂ . <i>Scientific Reports</i> , 2019, 9, 6393.	3.3	4
39	Multi-electron transfer enabled by topotactic reaction in magnetite. <i>Nature Communications</i> , 2019, 10, 1972.	12.8	28
40	Charge-Lattice Coupling in Hole-Doped LuFe ₂ O _{4+δ} : The Origin of Second-Order Modulation. <i>Physical Review Letters</i> , 2019, 122, 126401.	7.8	13
41	A novel nondestructive diagnostic method for mega-electron-volt ultrafast electron diffraction. <i>Scientific Reports</i> , 2019, 9, 17223.	3.3	9
42	Size-dependent kinetics during non-equilibrium lithiation of nano-sized zinc ferrite. <i>Nature Communications</i> , 2019, 10, 93.	12.8	39
43	Smectic and nematic phase modulations and transitions under electron beam in Tb ₂ Cu0.83Pd0.17O ₄ . <i>Physical Review Materials</i> , 2019, 3, .	2.4	0
44	Beyond a phenomenological description of magnetostriction. <i>Nature Communications</i> , 2018, 9, 388.	12.8	48
45	Localized concentration reversal of lithium during intercalation into nanoparticles. <i>Science Advances</i> , 2018, 4, eaao2608.	10.3	50
46	Nonequilibrium electron and lattice dynamics of strongly correlated Bi ₂ Sr ₂ CaCu ₂ O _{8+δ} single crystals. <i>Science Advances</i> , 2018, 4, eaap7427.	10.3	58
47	Control of Synaptic Plasticity Learning of Ferroelectric Tunnel Memristor by Nanoscale Interface Engineering. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 12862-12869.	8.0	109
48	Direct imaging of electron transfer and its influence on superconducting pairing at FeSe/SrTiO ₃ interface. <i>Science Advances</i> , 2018, 4, eaao2682.	10.3	82
49	Non-uniform Stress-free Strains in a Spherically Symmetrical Nano-sized Particle and Its Applications to Lithium-ion Batteries. <i>Scientific Reports</i> , 2018, 8, 4936.	3.3	6
50	Unveiling the Structural Evolution of Ag _{1.2} Mn ₈ O ₁₆ under Coulombically Controlled (De)Lithiation. <i>Chemistry of Materials</i> , 2018, 30, 366-375.	6.7	14
51	Revealing the Surface Effect at Atomic Scale in Silver Hollandite. <i>Microscopy and Microanalysis</i> , 2018, 24, 56-57.	0.4	0
52	Rate-dependent Reversal of Lithium Concentration During Intercalation into Li _x FePO ₄ Nanoparticles. <i>Microscopy and Microanalysis</i> , 2018, 24, 1482-1483.	0.4	0
53	In-situ Probe of Lithium-ion Transport and Phase Evolution Within and Between Silver Hollandite Nanorods. <i>Microscopy and Microanalysis</i> , 2018, 24, 1516-1517.	0.4	0
54	Atomic Scale Analyses of Planar Defects in Cross-section Nanorods of K ⁺ Stabilized α-MnO ₂ . <i>Microscopy and Microanalysis</i> , 2018, 24, 130-131.	0.4	0

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55	Revisiting Conversion Reaction Mechanisms in Lithium Batteries: Lithiation-Driven Topotactic Transformation in FeF ₂ . <i>Journal of the American Chemical Society</i> , 2018, 140, 17915-17922.	13.7	41
56	Phonon localization in heat conduction. <i>Science Advances</i> , 2018, 4, eaat9460.	10.3	108
57	Direct Imaging of Electron Transfer and Its Influence on Superconducting Pairing at FeSe/SrTiO ₃ Interface. <i>Microscopy and Microanalysis</i> , 2018, 24, 82-83.	0.4	0
58	Observation of Anisotropic Charge Density Wave in Layered 1T-TiSe ₂ . <i>Microscopy and Microanalysis</i> , 2018, 24, 230-231.	0.4	0
59	Control of magnetic anisotropy by orbital hybridization with charge transfer in (La _{0.67} Sr _{0.33} MnO ₃) _n /(SrTiO ₃) _n superlattice. <i>NPG Asia Materials</i> , 2018, 10, 931-942.	7.9	15
60	Atomic Scale Account of the Surface Effect on Ionic Transport in Silver Hollandite. <i>Chemistry of Materials</i> , 2018, 30, 6124-6133.	6.7	14
61	Retrieving the energy-loss function from valence electron energy-loss spectrum: Separation of bulk-, surface-losses and Cherenkov radiation. <i>Ultramicroscopy</i> , 2018, 194, 175-181.	1.9	8
62	The effect of scanning jitter on geometric phase analysis in STEM images. <i>Ultramicroscopy</i> , 2018, 194, 167-174.	1.9	8
63	Revealing and Rationalizing the Rich Polytypism of Todorokite MnO ₂ . <i>Journal of the American Chemical Society</i> , 2018, 140, 6961-6968.	13.7	36
64	Reversible Structure Manipulation by Tuning Electron Dose Rate on Metastable CU ₂ S. <i>Microscopy and Microanalysis</i> , 2018, 24, 94-95.	0.4	1
65	A Generalizable Multigram Synthesis and Mechanistic Investigation of YMnO ₃ Nanoplates. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 5573-5585.	3.7	9
66	Sensitive Phonon-Based Probe for Structure Identification of 1T MoTe_2 . <i>Journal of the American Chemical Society</i> , 2017, 139, 8396-8399.	13.7	46
67	Visualization of lithium-ion transport and phase evolution within and between manganese oxide nanorods. <i>Nature Communications</i> , 2017, 8, 15400.	12.8	52
68	Janus structured Pt FeNC nanoparticles as a catalyst for the oxygen reduction reaction. <i>Chemical Communications</i> , 2017, 53, 1660-1663.	4.1	46
69	Lithiation Mechanism of Tunnel-Structured MnO ₂ Electrode Investigated by In Situ Transmission Electron Microscopy. <i>Advanced Materials</i> , 2017, 29, 1703186.	21.0	52
70	Multi-Stage Structural Transformations in Zero-Strain Lithium Titanate Unveiled by <i>In Situ</i> X-ray Absorption Fingerprints. <i>Journal of the American Chemical Society</i> , 2017, 139, 16591-16603.	13.7	57
71	Reversible structure manipulation by tuning carrier concentration in metastable Cu ₂ S. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 9832-9837.	7.1	16
72	Synthesis of cryptomelane type $\pm\text{-MnO}_2(\text{K}_x\text{Mn}_8\text{O}_{16})$ cathode materials with tunable K ⁺ content: the role of tunnel cation concentration on electrochemistry. <i>Journal of Materials Chemistry A</i> , 2017, 5, 16914-16928.	10.3	91

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73	Interfaces between hexagonal and cubic oxides and their structure alternatives. <i>Nature Communications</i> , 2017, 8, 1474.	12.8	31
74	Dirac-electron-mediated magnetic proximity effect in topological insulator/magnetic insulator heterostructures. <i>Physical Review B</i> , 2017, 96, .	3.2	29
75	In Situ Probing and Synthetic Control of Cationic Ordering in Ni _x Rich Layered Oxide Cathodes. <i>Advanced Energy Materials</i> , 2017, 7, 1601266.	19.5	200
76	Enhancing Electrocatalytic Performance of Bifunctional Cobalt-Manganese-Oxynitride Nanocatalysts on Graphene. <i>ChemSusChem</i> , 2017, 10, 68-73.	6.8	28
77	Silver-Containing $\hat{\pm}$ -MnO ₂ Nanorods: Electrochemistry in Na-Based Battery Systems. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 4333-4342.	8.0	39
78	Interfacial Coupling and Polarization of Perovskite ABO ₃ Heterostructures. <i>Microscopy and Microanalysis</i> , 2017, 23, 1586-1587.	0.4	1
79	Anisotropic charge density wave in layered $\text{Mn}_{11}\text{O}_{24}$. <i>Physical Review Materials</i> , 2017, 1, .	1.4	1
80	Parallel Stitching of 2D Materials. <i>Advanced Materials</i> , 2016, 28, 2322-2329.	21.0	195
81	Electron Transfer: Insights into Ionic Transport and Structural Changes in Magnetite during Multiple-Electron Transfer Reactions (Adv. Energy Mater. 10/2016). <i>Advanced Energy Materials</i> , 2016, 6, .	19.5	7
82	Dichotomy in ultrafast atomic dynamics as direct evidence of polaron formation in manganites. <i>Npj Quantum Materials</i> , 2016, 1, .	5.2	31
83	Coupling of bias-induced crystallographic shear planes with charged domain walls in ferroelectric oxide thin films. <i>Physical Review B</i> , 2016, 94, .	3.2	9
84	Critical current density and vortex pinning in tetragonal FeS _{1-x} Se _x (x=0,0.06). <i>Physical Review B</i> , 2016, 94, .	3.2	18
85	Quantification of Honeycomb Number-Type Stacking Faults: Application to Na ₃ Ni ₂ Bi ₆ Cathodes for Na-Ion Batteries. <i>Inorganic Chemistry</i> , 2016, 55, 8478-8492.	4.0	51
86	Direct observation of electronic-liquid-crystal phase transitions and their microscopic origin in La ₁ /3Ca ₂ /3MnO ₃ . <i>Scientific Reports</i> , 2016, 6, 37624.	3.3	11
87	Interlayer electronic transport in CaMnBi ₂ . <i>Physical Review B</i> , 2016, 94, .	3.2	10
88	Magnetotransport study of Dirac fermions in YbMnBi ₂ . <i>Physical Review B</i> , 2016, 94, .	3.2	17
89	Large-Area Growth of Turbostratic Graphene on Ni(111) via Physical Vapor Deposition. <i>Scientific Reports</i> , 2016, 6, 19804.	3.3	103
90	Anomalously deep polarization in SrTi ₃ O ₇ (001) interfaced with an epitaxial ultrathin manganite film. <i>Physical Review B</i> , 2016, 94, .	3.2	14

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91	A route for a strong increase of critical current in nanostrained iron-based superconductors. Nature Communications, 2016, 7, 13036.	12.8	65
92	Gas-“solid interfacial modification of oxygen activity in layered oxide cathodes for lithium-ion batteries. Nature Communications, 2016, 7, 12108.	12.8	531
93	Interfacial Coupling-Induced Ferromagnetic Insulator Phase in Manganite Film. Nano Letters, 2016, 16, 4174-4180.	9.1	24
94	Two-Dimensional Layered Oxide Structures Tailored by Self-Assembled Layer Stacking via Interfacial Strain. ACS Applied Materials & Interfaces, 2016, 8, 16845-16851.	8.0	26
95	Insights into Ionic Transport and Structural Changes in Magnetite during Multiple-Electron Transfer Reactions. Advanced Energy Materials, 2016, 6, 1502471.	19.5	72
96	Effective recycling of manganese oxide cathodes for lithium based batteries. Green Chemistry, 2016, 18, 3414-3421.	9.0	55
97	Proximity-Driven Enhanced Magnetic Order at Ferromagnetic-Insulator-“Magnetic-Topological-Insulator Interface. Physical Review Letters, 2015, 115, 087201.	7.8	81
98	Band Structure Engineering and Thermoelectric Properties of Charge-Compensated Filled Skutterudites. Scientific Reports, 2015, 5, 14641.	3.3	41
99	Superconducting thin films of (100) and (111) oriented indium doped topological crystalline insulator SnTe. Applied Physics Letters, 2015, 107, .	3.3	14
100	Graphene-“Silicon Layered Structures on Single-“Crystalline Ir(111) Thin Films. Advanced Materials Interfaces, 2015, 2, 1400543.	3.7	12
101	Low-“Dimensional Conduction Mechanisms in Highly Conductive and Transparent Conjugated Polymers. Advanced Materials, 2015, 27, 4604-4610.	21.0	103
102	Mapping Valence Electron Distribution of Iron-Based Superconductors using Quantitative CBED and Precession Electron Diffraction. Microscopy and Microanalysis, 2015, 21, 1099-1100.	0.4	0
103	In Situ Electron Holography of Ferroelectric Thin Films. Microscopy and Microanalysis, 2015, 21, 1401-1402.	0.4	0
104	Superior thermoelectric performance in PbTe-“PbS pseudo-binary: extremely low thermal conductivity and modulated carrier concentration. Energy and Environmental Science, 2015, 8, 2056-2068.	30.8	185
105	Conjugated Polymers: Low-Dimensional Conduction Mechanisms in Highly Conductive and Transparent Conjugated Polymers (Adv. Mater. 31/2015). Advanced Materials, 2015, 27, 4664-4664.	21.0	1
106	Experimental Verification of the Van Vleck Nature of Long-Range Ferromagnetic Order in the Vanadium-Doped Three-Dimensional Topological Insulator $\text{Sb}_{x}\text{Mn}_{1-x}$. Physical Review Letters, 2015, 114, 146802.	7.8	79
107	Structural Defects of Silver Hollandite, $\text{Ag}_{\text{x}}\text{Mn}_{8-\text{x}}\text{O}_{\text{y}}$: Dramatic Impact on Electrochemistry. ACS Nano, 2015, 9, 8430-8439.	14.6	81
108	Femtosecond time-resolved MeV electron diffraction. New Journal of Physics, 2015, 17, 063004.	2.9	96

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109	Surface modified CF _x cathode material for ultrafast discharge and high energy density. Journal of Materials Chemistry A, 2014, 2, 20896-20901.	10.3	83
110	Gold-promoted structurally ordered intermetallic palladium cobalt nanoparticles for the oxygen reduction reaction. Nature Communications, 2014, 5, 5185.	12.8	134
111	Strong Coupling of the Iron-Quadrupole and Anion-Dipole Polarizations in $\text{Ba}_{\text{x}}\text{Fe}_{\text{y}}\text{O}_{\text{z}}$ Kondo scattering. Kondo scattering in $\text{Ba}_{\text{x}}\text{Fe}_{\text{y}}\text{O}_{\text{z}}$	7.8	23
112	Renormalization by spin-orbit interactions. Physical Review B, 2014, 90, 325112. Interface-induced nonswitchable domains in ferroelectric thin films. Nature Communications, 2014, 5, 4693.	3.2	27
113	Tunable THz surface plasmon polariton based on a topological insulator/layered superconductor hybrid structure. Physical Review B, 2014, 89, .	12.8	120
114	Quantitative Structural Analysis of Nanoparticles Using Electron Pair Distribution Function (ePDF). Microscopy and Microanalysis, 2014, 20, 630-631.	3.2	3
115	Highly efficient solid state catalysis by reconstructed (001) Ceria surface. Scientific Reports, 2014, 4, 4627.	3.3	24
116	Combining In Situ Synchrotron X-ray Diffraction and Absorption Techniques with Transmission Electron Microscopy to Study the Origin of Thermal Instability in Overcharged Cathode Materials for Lithium-Ion Batteries. Advanced Functional Materials, 2013, 23, 1047-1063.	14.9	458
117	Excess lithium storage and charge compensation in nanoscale Li ₄₊ iTi ₅ O ₁₂ . Nanotechnology, 2013, 24, 424006.	2.6	37
118	Origin of Phonon Glass-Electron Crystal Behavior in Thermoelectric Layered Cobaltate. Advanced Functional Materials, 2013, 23, 5728-5736.	14.9	47
119	Pt monolayer shell on hollow Pd core electrocatalysts: Scale up synthesis, structure, and activity for the oxygen reduction reaction. Journal of the Serbian Chemical Society, 2013, 78, 1983-1992.	0.8	3
120	Cathode Materials: Combining In Situ Synchrotron X-ray Diffraction and Absorption Techniques with Transmission Electron Microscopy to Study the Origin of Thermal Instability in Overcharged Cathode Materials for Lithium-Ion Batteries (Adv. Funct. Mater. 8/2013). Advanced Functional Materials, 2013, 23, 1046-1046.	14.9	7
121	STEM imaging of trimerization-polarization domain walls in hexagonal ErMnO ₃ . Microscopy and Microanalysis, 2012, 18, 1358-1359.	0.4	1
122	Image simulation for atomic resolution secondary electron image. Ultramicroscopy, 2012, 123, 66-73.	1.9	13
123	Anomalous photoluminescence Stokes shift in CdSe nanoparticle and carbon nanotube hybrids. Physical Review B, 2012, 85, .	3.2	10
124	Tracking lithium transport and electrochemical reactions in nanoparticles. Nature Communications, 2012, 3, 1201.	12.8	254
125	Chemical Distribution and Bonding of Lithium in Intercalated Graphite: Identification with Optimized Electron Energy Loss Spectroscopy. ACS Nano, 2011, 5, 1190-1197.	14.6	203

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127	Nanostructures and defects in nonequilibrium-synthesized filled skutterudite CeFe ₄ Sb ₁₂ . Journal of Materials Research, 2011, 26, 1842-1847.	2.6	9
128	Conversion Reaction Mechanisms in Lithium Ion Batteries: Study of the Binary Metal Fluoride Electrodes. Journal of the American Chemical Society, 2011, 133, 18828-18836.	13.7	492
129	Wurtzite ZnO (001) films grown on cubic MgO (001) with bulk-like opto-electronic properties. Applied Physics Letters, 2011, 99, 141917.	3.3	15
130	Microstructure and electronic behavior of PtPd@Pt core-shell nanowires. Journal of Materials Research, 2010, 25, 711-717.	2.6	7
131	Nanoscale disorder and local electronic properties of CaCu _{3.2} /mml:m ₅₈ An integrated study of electron, neutron, and x-ray diffraction, x-ray absorption fine structure. Physical Review B, 2010, 81, .	3.2	13
132	Microstructure and a Nucleation Mechanism for Nanoprecipitates in PbTe ₃ AgSbTe ₂ . Physical Review Letters, 2009, 103, 145502.	7.8	54
133	Nanostructures and defects in thermoelectric AgPb ₁₈ SbTe ₂₀ single crystal. Journal of Applied Physics, 2009, 105, .	2.5	34
134	Structure of chemically derived mono- and few-atomic-layer boron nitride sheets. Applied Physics Letters, 2008, 93, .	3.3	481
135	Electric pulse induced resistance change effect in manganites due to polaron localization at the metal-oxide interfacial region. Physical Review B, 2008, 77, .	3.2	49
136	Experimental confirmation of Zener-polaron-type charge and orbital ordering in Pr ₃ Mo ₇ Physical Review B, 2007, 76, .	3.2	71
137	Mechanisms for hetero-epitaxial nucleation of YBa ₂ Cu ₃ O _{7-δ} at the buried precursor/SrTiO ₃ interface in the postdeposition reaction process. Applied Physics Letters, 2002, 80, 419-421.	3.3	29
138	Electron Microscopy Analysis of the Intermediate Phases Formed During the Nucleation of Yba ₂ cu ₃ O _{7-δ} Film. Microscopy and Microanalysis, 2001, 7, 424-425.	0.4	2
139	Nucleation and growth of YBa ₂ Cu ₃ O _x on SrTiO ₃ and CeO ₂ by a BaF ₂ postdeposition reaction process. Journal of Materials Research, 2001, 16, 2869-2884.	2.6	51
140	Transformation twinning in carbon-doped PrCo ₂ magnetic crystals. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 1997, 76, 481-492.	0.6	8