Ce-Wen Nan

List of Publications by Citations

318 papers	21,938 citations	73 h-index	141 g-index
344 ext. papers	26,226 ext. citations	10.1 avg, IF	7.28 L-index

#	Paper	IF	Citations
318	Multiferroic magnetoelectric composites: Historical perspective, status, and future directions. *Journal of Applied Physics*, **2008**, 103, 031101	2.5	2829
317	Physics of inhomogeneous inorganic materials. *Progress in Materials Science*, **1993**, 37, 1-116	42.2	865
316	PEO/garnet composite electrolytes for solid-state lithium batteries: From "ceramic-in-polymer" to "polymer-in-ceramic" *Nano Energy*, **2018**, 46, 176-184	17.1	672
315	New horizons for inorganic solid state ion conductors. *Energy and Environmental Science*, **2018**, 11, 1945-1976	33.4	601
314	Synergistic Coupling between LiLaZrTaO and Poly(vinylidene fluoride) Induces High Ionic Conductivity, Mechanical Strength, and Thermal Stability of Solid Composite Electrolytes. *Journal of the American Chemical Society*, **2017**, 139, 13779-13785	16.4	452
313	Giant Energy Density and Improved Discharge Efficiency of Solution-Processed Polymer Nanocomposites for Dielectric Energy Storage. *Advanced Materials*, **2016**, 28, 2055-61	24	432
312	Ultrahigh energy density of polymer nanocomposites containing BaTiO3@TiO2 nanofibers by atomic-scale interface engineering. *Advanced Materials*, **2015**, 27, 819-24	24	416
311	BiCuSeO oxyselenides: new promising thermoelectric materials. *Energy and Environmental Science*, **2014**, 7, 2900-2924	35.4	416
310	Electric-field control of tri-state phase transformation with a selective dual-ion switch. *Nature*, **2017**, 546, 124-128	50.4	388
309	Direct observation of lithium dendrites inside garnet-type lithium-ion solid electrolyte. *Electrochemistry Communications*, **2015**, 57, 27-30	5.1	369
308	Ultrahigh-energy density lead-free dielectric films via polymorphic nanodomain design. *Science*, **2019**, 365, 578-582	33.3	353
307	Controlled Fabrication of BiFeO3 Uniform Microcrystals and Their Magnetic and Photocatalytic Behaviors. *Journal of Physical Chemistry C*, **2010**, 114, 2903-2908	3.8	328
306	Magnetic-field-induced electric polarization in multiferroic nanostructures. *Physical Review Letters*, **2005**, 94, 197203	7.4	318
305	Topological-Structure Modulated Polymer Nanocomposites Exhibiting Highly Enhanced Dielectric Strength and Energy Density. *Advanced Functional Materials*, **2014**, 24, 3172-3178	15.6	304
304	Improving the dielectric constants and breakdown strength of polymer composites: effects of the shape of the BaTiO3 nanoinclusions, surface modification and polymer matrix. *Journal of Materials Chemistry*, **2012**, 22, 16491		301
303	Multiferroic Heterostructures Integrating Ferroelectric and Magnetic Materials. *Advanced Materials*, **2016**, 28, 15-39	24	284
302	Enhanced dielectric and ferroelectric properties induced by dopamine-modified BaTiO3 nanofibers in flexible poly(vinylidene fluoride-trifluoroethylene) nanocomposites. *Journal of Materials Chemistry*, **2012**, 22, 8063		256

301	Giant energy density and high efficiency achieved in bismuth ferrite-based film capacitors via domain engineering. *Nature Communications*, **2018**, 9, 1813	17.4	237
300	Drawing a Soft Interface: An Effective Interfacial Modification Strategy for Garnet-Type Solid-State Li Batteries. *ACS Energy Letters*, **2018**, 3, 1212-1218	20.1	236
299	Solid Garnet Batteries. *Joule*, **2019**, 3, 1190-1199	27.8	230
298	Polycrystalline BiCuSeO oxide as a potential thermoelectric material. *Energy and Environmental Science*, **2012**, 5, 7188	35.4	203
297	Solid polymer electrolyte soft interface layer with 3D lithium anode for all-solid-state lithium batteries. *Energy Storage Materials*, **2019**, 17, 309-316	19.4	185
296	Enhanced ionic conductivity of polymer electrolytes containing nanocomposite SiO2 particles. *Physical Review Letters*, **2003**, 91, 266104	7.4	185
295	Intercalated Electrolyte with High Transference Number for Dendrite-Free Solid-State Lithium Batteries. *Advanced Functional Materials*, **2019**, 29, 1901047	15.6	178
294	Atomic-scale origin of the large grain-boundary resistance in perovskite Li-ion-conducting solid electrolytes. *Energy and Environmental Science*, **2014**, 7, 1638	35.4	175
293	Effects of anisotropy, aspect ratio, and nonstraightness of carbon nanotubes on thermal conductivity of carbon nanotube composites. *Applied Physics Letters*, **2007**, 90, 021914	3.4	173
292	A comprehensive review on synthesis methods for transition-metal oxide nanostructures. *CrystEngComm*, **2015**, 17, 3551-3585	3.3	172
291	High-Throughput Phase-Field Design of High-Energy-Density Polymer Nanocomposites. *Advanced Materials*, **2018**, 30, 1704380	24	171
290	Self-Suppression of Lithium Dendrite in All-Solid-State Lithium Metal Batteries with Poly(vinylidene difluoride)-Based Solid Electrolytes. *Advanced Materials*, **2019**, 31, e1806082	24	169
289	Solvent-Free Synthesis of Thin, Flexible, Nonflammable Garnet-Based Composite Solid Electrolyte for All-Solid-State Lithium Batteries. *Advanced Energy Materials*, **2020**, 10, 1903376	21.8	168
288	Oxide Electrolytes for Lithium Batteries. *Journal of the American Ceramic Society*, **2015**, 98, 3603-3623	3.8	163
287	Preparation of Ca3Co4O9 and Improvement of its Thermoelectric Properties by Spark Plasma Sintering. *Journal of the American Ceramic Society*, **2005**, 88, 1337-1340	3.8	159
286	BiFeO3SrTiO3 thin film as a new lead-free relaxor-ferroelectric capacitor with ultrahigh energy storage performance. *Journal of Materials Chemistry A*, **2017**, 5, 5920-5926	13	158
285	Polymer Nanocomposites with Ultrahigh Energy Density and High Discharge Efficiency by Modulating their Nanostructures in Three Dimensions. *Advanced Materials*, **2018**, 30, e1707269	24	157
284	Lithium-Salt-Rich PEO/LiLaTiO Interpenetrating Composite Electrolyte with Three-Dimensional Ceramic Nano-Backbone for All-Solid-State Lithium-Ion Batteries. *ACS Applied Materials & Interfaces*, **2018**, 10, 24791-24798	9.5	157

283	Anomalous luminescence in Sr4Al14O25:Eu, Dy phosphors. *Applied Physics Letters*, **2002**, 81, 996-998	3.4	155
282	Influence of interfacial bonding on giant magnetoelectric response of multiferroic laminated composites of Tb1−xDyxFe2 and PbZrxTi1−xO3. *Applied Physics Letters*, **2003**, 83, 4366-4368	3.4	145
281	Synergistically Optimizing Electrical and Thermal Transport Properties of BiCuSeO via a Dual-Doping Approach. *Advanced Energy Materials*, **2016**, 6, 1502423	21.8	135
280	Largely enhanced energy density in flexible P(VDF-TrFE) nanocomposites by surface-modified electrospun BaSrTiO3 fibers. *Journal of Materials Chemistry A*, **2013**, 1, 1688-1693	13	135
279	Super-elastic ferroelectric single-crystal membrane with continuous electric dipole rotation. *Science* , **2019**, 366, 475-479	33.3	127
278	Significant enhancement in the visible light photocatalytic properties of BiFeO3–graphene nanohybrids. *Journal of Materials Chemistry A*, **2013**, 1, 823-829	13	124
277	Coupled magnetodielectric properties of laminated PbZr0.53Ti0.47O3/NiFe2O4 ceramics. *Journal of Applied Physics*, **2004**, 95, 5685-5690	2.5	122
276	High energy density of polymer nanocomposites at a low electric field induced by modulation of their topological-structure. *Journal of Materials Chemistry A*, **2016**, 4, 8359-8365	13	120
275	Superior Energy Storage Performances of Polymer Nanocomposites via Modification of Filler/Polymer Interfaces. *Advanced Materials Interfaces*, **2018**, 5, 1800096	4.6	117
274	BiFeO3/TiO2 core-shell structured nanocomposites as visible-active photocatalysts and their optical response mechanism. *Journal of Applied Physics*, **2009**, 105, 054310	2.5	117
273	Achieving High Energy Density in PVDF-Based Polymer Blends: Suppression of Early Polarization Saturation and Enhancement of Breakdown Strength. *ACS Applied Materials & Interfaces*, **2016**, 8, 27236-27242	9.5	113
272	Mobile Ions in Composite Solids. *Chemical Reviews*, **2020**, 120, 4169-4221	68.1	105
271	Controllable conductive readout in self-assembled, topologically confined ferroelectric domain walls. *Nature Nanotechnology*, **2018**, 13, 947-952	28.7	104
270	Large high-frequency magnetoelectric response in laminated composites of piezoelectric ceramics, rare-earth iron alloys and polymer. *Applied Physics Letters*, **2004**, 84, 3516-3518	3.4	102
269	Hierarchical interfaces induce high dielectric permittivity in nanocomposites containing TiO2@BaTiO3 nanofibers. *Nanoscale*, **2014**, 6, 6701-9	7.7	98
268	Phase-field modeling and machine learning of electric-thermal-mechanical breakdown of polymer-based dielectrics. *Nature Communications*, **2019**, 10, 1843	17.4	97
267	Highly enhanced energy density induced by hetero-interface in sandwich-structured polymer nanocomposites. *Journal of Materials Chemistry A*, **2013**, 1, 12321	13	97
266	Self-organized Synthesis of Silver Chainlike and Dendritic Nanostructures via a Solvothermal Method. *Chemistry of Materials*, **2003**, 15, 4436-4441	9.6	97

265	Addressing the Interface Issues in All-Solid-State Bulk-Type Lithium Ion Battery via an All-Composite Approach. *ACS Applied Materials & Interfaces*, **2017**, 9, 9654-9661	9.5	96
264	Li2CO3: A Critical Issue for Developing Solid Garnet Batteries. *ACS Energy Letters*, **2020**, 5, 252-262	20.1	96
263	Enhancing thermoelectric performance in hierarchically structured BiCuSeO by increasing bond covalency and weakening carrier□phonon coupling. *Energy and Environmental Science*, **2017**, 10, 1590-1599	35.4	94
262	High-Conductivity Argyrodite LiPSCl Solid Electrolytes Prepared via Optimized Sintering Processes for All-Solid-State Lithium-Sulfur Batteries. *ACS Applied Materials & Interfaces*, **2018**, 10, 42279-42285	8.5	94
261	Grain boundary behavior in varistor-capacitor TiO2-rich CaCu3Ti4O12 ceramics. *Journal of Applied Physics*, **2008**, 103, 074111	2.5	93
260	High-temperature electrical transport behaviors in textured Ca3Co4O9-based polycrystalline ceramics. *Applied Physics Letters*, **2009**, 94, 072107	3.4	91
259	Structural transitions and enhanced ferroelectricity in Ca and Mn co-doped BiFeO3 thin films. *Journal of Applied Physics*, **2011**, 110, 094106	2.5	85
258	Synergy of micro-/mesoscopic interfaces in multilayered polymer nanocomposites induces ultrahigh energy density for capacitive energy storage. *Nano Energy*, **2019**, 62, 220-229	17.1	84
257	Polymer Nanocomposites with Interpenetrating Gradient Structure Exhibiting Ultrahigh Discharge Efficiency and Energy Density. *Advanced Energy Materials*, **2019**, 9, 1803411	21.8	84
256	Two Birds with One Stone: Metal□Organic Framework Derived Micro-/Nanostructured Ni2P/Ni Hybrids Embedded in Porous Carbon for Electrocatalysis and Energy Storage. *Advanced Functional Materials*, **2019**, 29, 1901510	15.6	82
255	Tailoring inorganic□polymer composites for the mass production of solid-state batteries. *Nature Reviews Materials*,	73.3	82
254	Room-temperature ferromagnetic and ferroelectric behavior in polycrystalline ZnO-based thin films. *Applied Physics Letters*, **2007**, 90, 222110	3.4	80
253	Understanding and designing magnetoelectric heterostructures guided by computation: progresses, remaining questions, and perspectives. *Npj Computational Materials*, **2017**, 3,	10.9	78
252	Size-dependent electric voltage controlled magnetic anisotropy in multiferroic heterostructures: Interface-charge and strain comediated magnetoelectric coupling. *Physical Review B*, **2011**, 83,	3.3	78
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250	The Gadolinium (Gd) and Tin (Sn) Co-doped BiFeO Nanoparticles as New Solar Light Active Photocatalyst. *Scientific Reports*, **2017**, 7, 42493	4.9	76
249	Angular Dependence of Exchange Bias and Magnetization Reversal Controlled by Electric-Field-Induced Competing Anisotropies. *Advanced Materials*, **2016**, 28, 363-9	24	76
248	Enhanced electrochemical performance of bulk type oxide ceramic lithium batteries enabled by interface modification. *Journal of Materials Chemistry A*, **2018**, 6, 4649-4657	13	76

247	Impact of P-Doped in Spinel LiNi0.5Mn1.5O4 on Degree of Disorder, Grain Morphology, and Electrochemical Performance. *Chemistry of Materials*, **2015**, 27, 7734-7742	9.6	75
246	Bandgap engineering and enhanced interface coupling of grapheneBiFeO3 nanocomposites as efficient photocatalysts under visible light. *Journal of Materials Chemistry A*, **2014**, 2, 1967-1973	13	74
245	Band-Gap Engineering and Enhanced Photocatalytic Activity of Sm and Mn Doped BiFeO3 Nanoparticles. *Journal of the American Ceramic Society*, **2017**, 100, 31-40	3.8	73
244	High permittivity Li and Al doped NiO ceramics. *Applied Physics Letters*, **2004**, 85, 5664-5666	3.4	73
243	Regulating Uniform Li Plating/Stripping via Dual-Conductive Metal-Organic Frameworks for High-Rate Lithium Metal Batteries. *Advanced Functional Materials*, **2020**, 30, 2000786	15.6	71
242	Doping for higher thermoelectric properties in p-type BiCuSeO oxyselenide. *Applied Physics Letters*, **2013**, 102, 123905	3.4	71
241	High-Temperature Electrical Transport and Thermoelectric Power of Partially Substituted Ca3Co4O9-Based Ceramics. *Journal of the American Ceramic Society*, **2007**, 90, 132-136	3.8	70
240	Sol–gel derived LiLaZrO thin films as solid electrolytes for lithium-ion batteries. *Journal of Materials Chemistry A*, **2014**, 2, 13277	13	68
239	Ferroelastic switching in a layered-perovskite thin film. *Nature Communications*, **2016**, 7, 10636	17.4	67
238	Ultrahigh Breakdown Strength and Improved Energy Density of Polymer Nanocomposites with Gradient Distribution of Ceramic Nanoparticles. *Advanced Functional Materials*, **2020**, 30, 1906112	15.6	65
237	Oxygen vacancy-enriched MoO3− nanobelts for asymmetric supercapacitors with excellent room/low temperature performance. *Journal of Materials Chemistry A*, **2019**, 7, 13205-13214	13	64
236	Tuning Phase Composition of Polymer Nanocomposites toward High Energy Density and High Discharge Efficiency by Nonequilibrium Processing. *ACS Applied Materials & Interfaces*, **2017**, 9, 29717-29731	9.5	63
235	Dielectric and energy storage performances of polyimide/BaTiO3 nanocomposites at elevated temperatures. *Journal of Applied Physics*, **2017**, 121, 244101	2.5	63
234	Enhanced Thermoelectric Properties of Bi2O2Se Ceramics by Bi Deficiencies. *Journal of the American Ceramic Society*, **2015**, 98, 2465-2469	3.8	62
233	Inverse Problem for Composites with Imperfect Interface: Determination of Interfacial Thermal Resistance, Thermal Conductivity of Constituents, and Microstructural Parameters. *Journal of the American Ceramic Society*, **2004**, 83, 848-854	3.8	62
232	Effect of BaTiO3 size on dielectric property of BaTiO3/PVDF composites. *Journal of Electroceramics* , **2008**, 21, 381-384	1.5	59
231	High-Temperature Thermoelectric Behaviors of Fine-Grained Gd-Doped CaMnO3 Ceramics. *Journal of the American Ceramic Society*, **2010**, 93, 2121-2124	3.8	58
230	Phase-Field Model of Electrothermal Breakdown in Flexible High-Temperature Nanocomposites under Extreme Conditions. *Advanced Energy Materials*, **2018**, 8, 1800509	21.8	56

229	Fast 180° magnetization switching in a strain-mediated multiferroic heterostructure driven by a voltage. *Scientific Reports*, **2016**, 6, 27561	4.9	56
228	High Performance Oxides-Based Thermoelectric Materials. *Jom*, **2015**, 67, 211-221	2.1	55
227	Enhancement of thermoelectric performance in Cd-doped Ca3Co4O9via spin entropy, defect chemistry and phonon scattering. *Journal of Materials Chemistry A*, **2014**, 2, 19479-19487	13	55
226	Enhanced thermoelectric performance of In2O3-based ceramics via Nanostructuring and Point Defect Engineering. *Scientific Reports*, **2015**, 5, 7783	4.9	53
225	A surface-modified TiO2 nanorod array/P(VDF-HFP) dielectric capacitor with ultra high energy density and efficiency. *Journal of Materials Chemistry C*, **2017**, 5, 12777-12784	7.1	51
224	High-temperature thermoelectric behaviors of Sn-doped n-type Bi2O2Se ceramics. *Journal of Electroceramics*, **2015**, 34, 175-179	1.5	50
223	Ultrahigh energy storage in superparaelectric relaxor ferroelectrics. *Science*, **2021**, 374, 100-104	33.3	49
222	Minimizing Voltage Loss in Efficient All-Inorganic CsPbI2Br Perovskite Solar Cells through Energy Level Alignment. *ACS Energy Letters*, **2019**, 4, 2491-2499	20.1	48
221	Dependence of giant magnetoelectric effect on interfacial bonding for multiferroic laminated composites of rare-earth-iron alloys and lead-zirconate-titanate. *Journal of Applied Physics*, **2004**, 95, 2660-2664	2.5	48
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218	Atomic-resolution imaging of electrically induced oxygen vacancy migration and phase transformation in SrCoO. *Nature Communications*, **2017**, 8, 104	17.4	46
217	Orientation-dependent multiferroic properties in Pb(Zr0.52Ti0.48)O3-CoFe2O4 nanocomposite thin films derived by a sol-gel processing. *Journal of Applied Physics*, **2008**, 103, 034103	2.5	46
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214	Fast Magnetic Domain-Wall Motion in a Ring-Shaped Nanowire Driven by a Voltage. *Nano Letters*, **2016**, 16, 2341-8	11.5	45
213	Hierarchical porous Li4Ti5O12-TiO2 composite anode materials with pseudocapacitive effect for high-rate and low-temperature applications. *Journal of Materials Chemistry A*, **2018**, 6, 14339-14351	13	45
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207	Current-controlled propagation of spin waves in antiparallel, coupled domains. *Nature Nanotechnology*, **2019**, 14, 691-697	28.7	43
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205	Dielectric and nonlinear electrical behaviors of La-doped CaCu3Ti4O12 ceramics. *Journal of Applied Physics*, **2009**, 106, 034111	2.5	43
204	Opportunities and challenges for magnetoelectric devices. *APL Materials*, **2019**, 7, 080905	5.7	42
203	Thermoelectric Properties of Pb-Doped BiCuSeO Ceramics. *Journal of the American Ceramic Society*, **2013**, 96, 2710-2713	3.8	42
202	Thickness-dependent dielectric and energy storage properties of (Pb0.96La0.04)(Zr0.98Ti0.02)O3 antiferroelectric thin films. *Journal of Applied Physics*, **2016**, 119, 124106	2.5	40
201	Synergistically optimizing electrical and thermal transport properties of Bi2O2Se ceramics by Te-substitution. *Journal of the American Ceramic Society*, **2018**, 101, 326-333	3.8	39
200	High-temperature electrical transport behaviors of the layered Ca2Co2O5-based ceramics. *Applied Physics Letters*, **2010**, 96, 192104	3.4	39
199	Garnet-type oxide electrolyte with novel porous-dense bilayer configuration for rechargeable all-solid-state lithium batteries. *Ionics*, **2017**, 23, 2521-2527	2.7	38
198	Obtaining ultimate functionalities in nanocomposites: Design, control, and fabrication. *MRS Bulletin* , **2015**, 40, 719-724	3.2	37
197	Non-intuitive concomitant enhancement of dielectric permittivity, breakdown strength and energy density in percolative polymer nanocomposites by trace Ag nanodots. *Journal of Materials Chemistry A*, **2019**, 7, 15198-15206	13	36
196	High Capacity, Superior Cyclic Performances in All-Solid-State Lithium-Ion Batteries Based on 78LiS-22PS Glass-Ceramic Electrolytes Prepared via Simple Heat Treatment. *ACS Applied Materials & Interfaces*, **2017**, 9, 28542-28548	9.5	36
195	Synthesis and Photocatalytic Behaviors of High Surface Area BiFeO3 Thin Films. *Journal of the American Ceramic Society*, **2011**, 94, 2296-2299	3.8	36
194	Porous PZT Ceramics with High Hydrostatic Figure of Merit and Low Acoustic Impedance by TBA-Based Gel-Casting Process. *Journal of the American Ceramic Society*, **2010**, 93, 1427	3.8	36

193	Synergistical Enhancement of Thermoelectric Properties in n-Type Bi2O2Se by Carrier Engineering and Hierarchical Microstructure. *Advanced Energy Materials*, **2019**, 9, 1900354	21.8	35
192	High Thermoelectric Performance of Nanostructured In2O3-Based Ceramics. *Journal of the American Ceramic Society*, **2012**, 95, 2465-2469	3.8	34
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187	Mesoscopic Framework Enables Facile Ionic Transport in Solid Electrolytes for Li Batteries. *Advanced Energy Materials*, **2016**, 6, 1600053	21.8	33
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183	Ionic Liquid Gating Control of Spin Reorientation Transition and Switching of Perpendicular Magnetic Anisotropy. *Advanced Materials*, **2018**, 30, e1801639	24	33
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180	Dielectric films for high performance capacitive energy storage: multiscale engineering. *Nanoscale*, **2020**, 12, 19582-19591	7.7	32
179	High Capacity and Superior Cyclic Performances of All-Solid-State Lithium Batteries Enabled by a Glass-Ceramics Solo. *ACS Applied Materials & Interfaces*, **2018**, 10, 10029-10035	9.5	31
178	Contribution of point defects and nano-grains to thermal transport behaviours of oxide-based thermoelectrics. *Npj Computational Materials*, **2016**, 2,	10.9	31
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176	Interfacial challenges for all-solid-state batteries based on sulfide solid electrolytes. *Journal of Materiomics*, **2021**, 7, 209-218	6.7	30

175	High-performance all-solid-state lithium-sulfur batteries with sulfur/carbon nano-hybrids in a composite cathode. *Journal of Materials Chemistry A*, **2018**, 6, 23345-23356	13	30
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173	Effects of Li6.75La3Zr1.75Ta0.25O12 on chemical and electrochemical properties of polyacrylonitrile-based solid electrolytes. *Solid State Ionics*, **2018**, 327, 32-38	3.3	29
172	Microstructure Manipulation for Enhancing the Resistance of Garnet-Type Solid Electrolytes to "Short Circuit" by Li Metal Anodes. *ACS Applied Materials & Interfaces*, **2019**, 11, 5928-5937	9.5	28
171	Structural and Ferroic Properties of Zr-doped BiFeO3 Thin Films. *Ferroelectrics*, **2007**, 357, 172-178	0.6	28
170	Electrochemical performance of Li-rich cathode material, 0.3Li2MnO3·0.7LiMn1/3Ni1/3Co1/3O2 microspheres with F-doping. *Rare Metals*, **2019**, 38, 189-198	5.5	27
169	Spatially Resolved Electric-Field Manipulation of Magnetism for CoFeB Mesoscopic Discs on Ferroelectrics. *Advanced Functional Materials*, **2018**, 28, 1706448	15.6	26
168	Boosting the thermoelectric performance of Bi2O2Se by isovalent doping. *Journal of the American Ceramic Society*, **2018**, 101, 4634-4644	3.8	26
167	High energy density and efficiency achieved in nanocomposite film capacitors via structure modulation. *Applied Physics Letters*, **2018**, 112, 103902	3.4	26
166	Enhancement of Thermoelectric Performance in Hierarchical Mesoscopic Oxide Composites of Ca3Co4O9 and La0.8Sr0.2CoO3. *Journal of the American Ceramic Society*, **2015**, 98, 1230-1235	3.8	26
165	High Cycling Stability for Solid-State Li Metal Batteries via Regulating Solvation Effect in Poly(Vinylidene Fluoride)-Based Electrolytes. *Batteries and Supercaps*, **2020**, 3, 876-883	5.6	25
164	Dielectric Behavior of Na0.5Bi0.5TiO3-Based Composites Incorporating Silver Particles. *Journal of the American Ceramic Society*, **2004**, 87, 742-745	3.8	25
163	Influence of Crystallinity of Lithium Thiophosphate Solid Electrolytes on the Performance of Solid-State Batteries. *Advanced Energy Materials*, **2021**, 11, 2100654	21.8	25
162	Enhancing the thermoelectric performance of ZnO epitaxial films by Ga doping and thermal tuning. *Journal of Materials Chemistry A*, **2018**, 6, 24128-24135	13	25
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160	Toroidal polar topology in strained ferroelectric polymer. *Science*, **2021**, 371, 1050-1056	33.3	24
159	High-performance Li6PS5Cl-based all-solid-state lithium-ion batteries. *Journal of Materials Chemistry A*, **2019**, 7, 18612-18618	13	23
158	High capacity and rate performance of LiNi0.5Co0.2Mn0.3O2 composite cathode for bulk-type all-solid-state lithium battery. *Journal of Materials Chemistry A*, **2014**, 2, 13332	13	23

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