Haitao Huang

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#	Paper	IF	Citations
325	Hollow carbon-nanotube/carbon-nanofiber hybrid anodes for Li-ion batteries. <i>Journal of the American Chemical Society</i> , 2013 , 135, 16280-3	16.4	367
324	Stretchable all-solid-state supercapacitor with wavy shaped polyaniline/graphene electrode. Journal of Materials Chemistry A, 2014 , 2, 9142-9149	13	264
323	Highly ordered iron oxide nanotube arrays as electrodes for electrochemical energy storage. <i>Electrochemistry Communications</i> , 2011 , 13, 657-660	5.1	247
322	Design of Hierarchical Ni?Co@Ni?Co Layered Double Hydroxide CoreBhell Structured Nanotube Array for High-Performance Flexible All-Solid-State Battery-Type Supercapacitors. <i>Advanced Functional Materials</i> , 2017 , 27, 1605307	15.6	230
321	Ionic conductivity in the CeO2ttd2O3 system (0.05ttd/Cet.4) prepared by oxalate coprecipitation. <i>Solid State Ionics</i> , 2002 , 148, 567-573	3.3	221
320	Universal Strategy for HF-Free Facile and Rapid Synthesis of Two-dimensional MXenes as Multifunctional Energy Materials. <i>Journal of the American Chemical Society</i> , 2019 , 141, 9610-9616	16.4	208
319	Protonation of Graphitic Carbon Nitride (g-C3N4) for an Electrostatically Self-Assembling Carbon@g-C3N4 CoreBhell Nanostructure toward High Hydrogen Evolution. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 7093-7103	8.3	197
318	Li metal deposition and stripping in a solid-state battery via Coble creep. <i>Nature</i> , 2020 , 578, 251-255	50.4	196
317	Correlation between the Melting Point of a Nanosolid and the Cohesive Energy of a Surface Atom. <i>Journal of Physical Chemistry B</i> , 2002 , 106, 10701-10705	3.4	188
316	Nitrogen-Doped Carbon for Sodium-Ion Battery Anode by Self-Etching and Graphitization of Bimetallic MOF-Based Composite. <i>CheM</i> , 2017 , 3, 152-163	16.2	171
315	Triple-coaxial electrospun amorphous carbon nanotubes with hollow graphitic carbon nanospheres for high-performance Li ion batteries. <i>Energy and Environmental Science</i> , 2012 , 5, 7898	35.4	168
314	Large Energy Storage Density and High Thermal Stability in a Highly Textured (111)-Oriented Pb0.8Ba0.2ZrO3 Relaxor Thin Film with the Coexistence of Antiferroelectric and Ferroelectric Phases. ACS Applied Materials & Company Interfaces, 2015, 7, 13512-7	9.5	148
313	Harvesting the Vibration Energy of BiFeO Nanosheets for Hydrogen Evolution. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 11779-11784	16.4	145
312	Giant Electric Energy Density in Epitaxial Lead-Free Thin Films with Coexistence of Ferroelectrics and Antiferroelectrics. <i>Advanced Electronic Materials</i> , 2015 , 1, 1500052	6.4	141
311	Electrospun carbon-based nanostructured electrodes for advanced energy storage IA review. <i>Energy Storage Materials</i> , 2016 , 5, 58-92	19.4	140
310	A One-Step and Binder-Free Method to Fabricate Hierarchical Nickel-Based Supercapacitor Electrodes with Excellent Performance. <i>Advanced Functional Materials</i> , 2013 , 23, 3675-3681	15.6	136
309	Polyaniline nanowire array encapsulated in titania nanotubes as a superior electrode for supercapacitors. <i>Nanoscale</i> , 2011 , 3, 2202-7	7.7	135

308	Direct and seamless coupling of TiO2 nanotube photonic crystal to dye-sensitized solar cell: a single-step approach. <i>Advanced Materials</i> , 2011 , 23, 5624-8	24	133
307	Toward Practical High-Areal-Capacity Aqueous Zinc-Metal Batteries: Quantifying Hydrogen Evolution and a Solid-Ion Conductor for Stable Zinc Anodes. <i>Advanced Materials</i> , 2021 , 33, e2007406	24	133
306	Hydrogenated TiO2 Nanotube Arrays as High-Rate Anodes for Lithium-Ion Microbatteries. <i>ChemPlusChem</i> , 2012 , 77, 991-1000	2.8	130
305	Size-controlled preparation of silver nanoparticles by a modified polyol method. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010 , 366, 197-202	5.1	127
304	Highly ordered nanoporous TiO2 and its photocatalytic properties. <i>Electrochemistry Communications</i> , 2007 , 9, 2854-2858	5.1	125
303	High efficiency bi-harvesting light/vibration energy using piezoelectric zinc oxide nanorods for dye decomposition. <i>Nano Energy</i> , 2019 , 62, 376-383	17.1	122
302	Valence Engineering via Selective Atomic Substitution on Tetrahedral Sites in Spinel Oxide for Highly Enhanced Oxygen Evolution Catalysis. <i>Journal of the American Chemical Society</i> , 2019 , 141, 8136	-8145	120
301	Design and coupling of multifunctional TiO2 nanotube photonic crystal to nanocrystalline titania layer as semi-transparent photoanode for dye-sensitized solar cell. <i>Energy and Environmental Science</i> , 2012 , 5, 9881	35.4	119
300	High-performance fiber-shaped supercapacitors using carbon fiber thread (CFT)@polyanilne and functionalized CFT electrodes for wearable/stretchable electronics. <i>Nano Energy</i> , 2015 , 11, 662-670	17.1	118
299	Hollow-tunneled graphitic carbon nanofibers through Ni-diffusion-induced graphitization as high-performance anode materials. <i>Energy and Environmental Science</i> , 2014 , 7, 2689-2696	35.4	118
298	Relaxor behavior in CaCu3Ti4O12 ceramics. <i>Applied Physics Letters</i> , 2006 , 89, 182904	3.4	118
297	A copper-doped nickel oxide bilayer for enhancing efficiency and stability of hysteresis-free inverted mesoporous perovskite solar cells. <i>Nano Energy</i> , 2017 , 40, 155-162	17.1	112
296	Hollow Nanotubes of N-Doped Carbon on CoS. Angewandte Chemie - International Edition, 2016, 55, 158	8316.45	834 6
295	Pyro-catalytic hydrogen evolution by Ba0.7Sr0.3TiO3 nanoparticles: harvesting coldllot alternation energy near room-temperature. <i>Energy and Environmental Science</i> , 2018 , 11, 2198-2207	35.4	104
294	Grain-size effect on ferroelectric Pb(Zr1\(\mathbb{Z}\)Tix)O3 solid solutions induced by surface bond contraction. <i>Physical Review B</i> , 2001 , 63,	3.3	101
293	Tailoring Anisotropic Li-Ion Transport Tunnels on Orthogonally Arranged Li-Rich Layered Oxide Nanoplates Toward High-Performance Li-Ion Batteries. <i>Nano Letters</i> , 2017 , 17, 1670-1677	11.5	99
292	First-principles study on the electronic and optical properties of BiFeO3. <i>Solid State Communications</i> , 2009 , 149, 641-644	1.6	98
291	Recent advances in lead-free dielectric materials for energy storage. <i>Materials Research Bulletin</i> , 2019 , 113, 190-201	5.1	97

290	Sintering and grain growth of CoO-doped CeO 2 ceramics. <i>Journal of the European Ceramic Society</i> , 2002 , 22, 27-34	6	96
289	Facile synthesis of truncated cube-like NiSe2 single crystals for high-performance asymmetric supercapacitors. <i>Chemical Engineering Journal</i> , 2017 , 330, 1334-1341	14.7	95
288	Barium titanate derived from mechanochemically activated powders. <i>Journal of Alloys and Compounds</i> , 2002 , 337, 226-230	5.7	93
287	Advances and prospects of fiber supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 20863-2087	913	92
286	Flexible fiber hybrid supercapacitor with NiCo2O4 nanograss@carbon fiber and bio-waste derived high surface area porous carbon. <i>Electrochimica Acta</i> , 2016 , 211, 411-419	6.7	91
285	A rectification-free piezo-supercapacitor with a polyvinylidene fluoride separator and functionalized carbon cloth electrodes. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 14963-14970	13	88
284	Highly Efficient Porous Carbon Electrocatalyst with Controllable N-Species Content for Selective CO Reduction. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 3244-3251	16.4	88
283	Sulfur encapsulated in porous hollow CNTs@CNFs for high-performance lithiumBulfur batteries. Journal of Materials Chemistry A, 2014 , 2, 10126-10130	13	87
282	Preparation of silver nanoparticles in inorganic clay suspensions. <i>Composites Science and Technology</i> , 2008 , 68, 2948-2953	8.6	87
281	Fabrication of nickel oxide-embedded titania nanotube array for redox capacitance application. <i>Electrochimica Acta</i> , 2008 , 53, 3643-3649	6.7	86
280	Fiber-in-Tube Design of Co S -Carbon/Co S : Enabling Efficient Sodium Storage. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 6239-6243	16.4	85
279	Room-temperature pyro-catalytic hydrogen generation of 2D few-layer black phosphorene under cold-hot alternation. <i>Nature Communications</i> , 2018 , 9, 2889	17.4	85
278	Supercapacitor application of nickel oxidelitania nanocomposites. <i>Composites Science and Technology</i> , 2009 , 69, 2108-2114	8.6	85
277	Strong piezo-electro-chemical effect of piezoelectric BaTiO3 nanofibers for vibration-catalysis. Journal of Alloys and Compounds, 2018 , 762, 915-921	5.7	85
276	In situ formation of hollow graphitic carbon nanospheres in electrospun amorphous carbon nanofibers for high-performance Li-based batteries. <i>Nanoscale</i> , 2012 , 4, 6800-5	7.7	83
275	Piezoelectrically/pyroelectrically-driven vibration/cold-hot energy harvesting for mechano-/pyrobi-catalytic dye decomposition of NaNbO3 nanofibers. <i>Nano Energy</i> , 2018 , 52, 351-359	17.1	81
274	Towards high areal capacitance, rate capability, and tailorable supercapacitors: Co3O4@polypyrrole coreBhell nanorod bundle array electrodes. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 19058-19065	13	79
273	Engineering hetero-epitaxial nanostructures with aligned Li-ion channels in Li-rich layered oxides for high-performance cathode application. <i>Nano Energy</i> , 2017 , 35, 271-280	17.1	78

272	Electrospinning-Based Strategies for Battery Materials. Advanced Energy Materials, 2021, 11, 2000845	21.8	78
271	More is Different: Synergistic Effect and Structural Engineering in Double-Atom Catalysts. <i>Advanced Functional Materials</i> , 2021 , 31, 2007423	15.6	74
270	Lorentz-type relationship of the temperature dependent dielectric permittivity in ferroelectrics with diffuse phase transition. <i>Applied Physics Letters</i> , 2008 , 93, 112906	3.4	73
269	An extended 'quantum confinement' theory: surface-coordination imperfection modifies the entire band structure of a nanosolid. <i>Journal Physics D: Applied Physics</i> , 2001 , 34, 3470-3479	3	73
268	Bioelectrocatalytic application of titania nanotube array for molecule detection. <i>Biosensors and Bioelectronics</i> , 2007 , 22, 2812-8	11.8	71
267	Iron supported C@Fe3O4 nanotube array: a new type of 3D anode with low-cost for high performance lithium-ion batteries. <i>Journal of Materials Chemistry</i> , 2012 , 22, 5560		70
266	Dielectric relaxation in A2FeNbO6 (A = Ba, Sr, and Ca) perovskite ceramics. <i>Journal of Electroceramics</i> , 2009 , 22, 252-256	1.5	69
265	Effect of alumina addition on the electrical and mechanical properties of Ce0.8Gd0.2O2II ceramics. <i>Materials Letters</i> , 2002 , 57, 124-129	3.3	67
264	Transparent Indium Tin Oxide Electrodes on Muscovite Mica for High-Temperature-Processed Flexible Optoelectronic Devices. <i>ACS Applied Materials & Amp; Interfaces</i> , 2016 , 8, 28406-28411	9.5	67
263	Antiferroelectric-like properties and enhanced polarization of Cu-doped K0.5Na0.5NbO3 piezoelectric ceramics. <i>Applied Physics Letters</i> , 2012 , 101, 082901	3.4	65
262	Exceptional electrochemical performance of porous TiO2Darbon nanofibers for lithium ion battery anodes. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 3875-3880	13	64
261	Commercial Dacron cloth supported Cu(OH)2 nanobelt arrays for wearable supercapacitors. Journal of Materials Chemistry A, 2016 , 4, 14781-14788	13	62
260	Plasmonic Metal Nanoparticles with Core-Bishell Structure for High-Performance Organic and Perovskite Solar Cells. <i>ACS Nano</i> , 2019 , 13, 5397-5409	16.7	61
259	The effects of annealing temperature on the sensing properties of low temperature nano-sized SrTiO3 oxygen gas sensor. <i>Sensors and Actuators B: Chemical</i> , 2005 , 108, 244-249	8.5	61
258	Thermal strain induced large electrocaloric effect of relaxor thin film on LaNiO3/Pt composite electrode with the coexistence of nanoscale antiferroelectric and ferroelectric phases in a broad temperature range. <i>Nano Energy</i> , 2018 , 47, 285-293	17.1	60
257	High Temperature Crystallization of Free-Standing Anatase TiO2 Nanotube Membranes for High Efficiency Dye-Sensitized Solar Cells. <i>Advanced Functional Materials</i> , 2013 , 23, 5952-5960	15.6	60
256	Engineering the intermediate band states in amorphous Ti3+-doped TiO2 for hybrid dye-sensitized solar cell applications. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 11437-11443	13	59
255	Early-stage sintering mechanisms of Fe-doped CeO2. <i>Journal of Materials Science</i> , 2002 , 37, 997-1003	4.3	58

254	Phase-transition induced giant negative electrocaloric effect in a lead-free relaxor ferroelectric thin film. <i>Energy and Environmental Science</i> , 2019 , 12, 1708-1717	35.4	53
253	Energy storage characteristics of (Pb,La)(Zr,Sn,Ti)O3 antiferroelectric ceramics with high Sn content. <i>Applied Physics Letters</i> , 2018 , 113, 063902	3.4	53
252	Dielectric dispersion behavior of Ba(ZrxTi1\(\bar{\text{B}}\))O3 solid solutions with a quasiferroelectric state. Journal of Applied Physics, 2008 , 104, 034108	2.5	53
251	MgAl2O4 spinel phase derived from oxide mixture activated by a high-energy ball milling process. <i>Materials Letters</i> , 2002 , 56, 238-243	3.3	53
250	A giant negative electrocaloric effect in Eu-doped PbZrO3 thin films. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 3375-3378	7.1	52
249	Effects of dopant concentration and aging on the electrical properties of Y-doped ceria electrolytes. <i>Solid State Sciences</i> , 2003 , 5, 1505-1511	3.4	51
248	Fabrication of iron oxide nanotube arrays by electrochemical anodization. <i>Corrosion Science</i> , 2014 , 88, 66-75	6.8	50
247	Sponge-like Ni(OH)2-NiF2 composite film with excellent electrochemical performance. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 1601-5	3.6	50
246	Panchromatic thin perovskite solar cells with broadband plasmonic absorption enhancement and efficient light scattering management by Au@Ag core-shell nanocuboids. <i>Nano Energy</i> , 2017 , 41, 654-6	64 ^{7.1}	49
245	Enhanced piezoelectric-induced catalysis of SrTiO nanocrystal with well-defined facets under ultrasonic vibration. <i>Ultrasonics Sonochemistry</i> , 2020 , 61, 104819	8.9	49
244	Flexible and wearable fiber shaped high voltage supercapacitors based on copper hexacyanoferrate and porous carbon coated carbon fiber electrodes. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 4934-4940	13	48
243	Colossal dielectric response in barium iron niobate ceramics obtained by different precursors. <i>Ceramics International</i> , 2008 , 34, 1059-1062	5.1	48
242	Theoretical Investigation of V3C2 MXene as Prospective High-Capacity Anode Material for Metal-Ion (Li, Na, K, and Ca) Batteries. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 18207-18214	3.8	46
241	Sintering behavior and ionic conductivity of Ce0.8Gd0.2O1.9 with a small amount of MnO2 doping. Journal of Solid State Electrochemistry, 2003 , 7, 348-354	2.6	46
240	Densification, microstructure and grain growth in the CeO2He2O3 system (0?Fe/Ce?20%). <i>Journal of the European Ceramic Society</i> , 2001 , 21, 2221-2228	6	46
239	Flexible dielectric nanocomposites with simultaneously large discharge energy density and high energy efficiency utilizing (Pb,La)(Zr,Sn,Ti)O3 antiferroelectric nanoparticles as fillers. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 13473-13482	13	45
238	A facile route to fabricate an anodic TiO2 nanotube-nanoparticle hybrid structure for high efficiency dye-sensitized solar cells. <i>Nanoscale</i> , 2012 , 4, 5148-53	7.7	45
237	A high-power wearable triboelectric nanogenerator prepared from self-assembled electrospun poly(vinylidene fluoride) fibers with a heart-like structure. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 11	7 2 4-11	733

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236	Inserting Sn Nanoparticles into the Pores of TiO2MC Nanofibers by Lithiation. <i>Advanced Functional Materials</i> , 2016 , 26, 376-383	15.6	44
235	The effect of Fe doping on the sintering behavior of commercial CeO2 powder. <i>Journal of Materials Processing Technology</i> , 2001 , 113, 463-468	5.3	44
234	Fullerene-Anchored Core-Shell ZnO Nanoparticles for Efficient and Stable Dual-Sensitized Perovskite Solar Cells. <i>Joule</i> , 2019 , 3, 417-431	27.8	44
233	Boosting the oxygen evolution reaction in non-precious catalysts by structural and electronic engineering. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 10253-10263	13	43
232	Facile synthesis of a mechanically robust and highly porous NiO film with excellent electrocatalytic activity towards methanol oxidation. <i>Nanoscale</i> , 2016 , 8, 11256-63	7.7	43
231	Dielectric transition of nanostructured diamond films. <i>Applied Physics Letters</i> , 2001 , 78, 1826-1828	3.4	42
230	Dielectric suppression and its effect on photoabsorption of nanometric semiconductors. <i>Journal Physics D: Applied Physics</i> , 2001 , 34, 2359-2362	3	42
229	Electrospun bismuth ferrite nanofibers for potential applications in ferroelectric photovoltaic devices. <i>ACS Applied Materials & Description of the Electrospun Materials & Description of the Electrospun Materials & Description of the Electrospun D</i>	9.5	41
228	Surface bond contraction and its effect on the nanometric sized lead zirconate titanate. <i>Journal of Physics Condensed Matter</i> , 2000 , 12, L127-L132	1.8	41
227	Dielectric relaxation and transition of porous silicon. <i>Journal of Applied Physics</i> , 2003 , 94, 2695-2700	2.5	40
226	Sintering and densification behavior of Mn-doped CeO2. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2001 , 83, 235-241	3.1	40
225	Open-ended TiO2 nanotubes formed by two-step anodization and their application in dye-sensitized solar cells. <i>Nanoscale</i> , 2012 , 4, 448-50	7.7	39
224	First-principles study of structural, electronic, and optical properties of. <i>Solid State Communications</i> , 2009 , 149, 1849-1852	1.6	39
223	Uniaxial strain-modulated conductivity in manganite superlattice (LaMnO3/SrMnO3). <i>Applied Physics Letters</i> , 2011 , 98, 031910	3.4	39
222	A Catalytic Etching-Wetting-Dewetting Mechanism in the Formation of Hollow Graphitic Carbon Fiber. <i>CheM</i> , 2017 , 2, 299-310	16.2	38
221	Ultrafine Cobalt Sulfide Nanoparticles Encapsulated Hierarchical N-doped Carbon Nanotubes for High-performance Lithium Storage. <i>Electrochimica Acta</i> , 2017 , 225, 137-142	6.7	38
220	Enhanced photocatalytic activity of CoO/TiO2 nanotube composite. <i>Electrochimica Acta</i> , 2012 , 81, 117-1	1827	38
219	Sintering study on commercial CeO2 powder with small amount of MnO2 doping. <i>Materials Letters</i> , 2002 , 57, 507-512	3.3	38

218	Photonic crystals for sensitized solar cells: fabrication, properties, and applications. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 10665-10686	7.1	36
217	TiO2/SiO2 hybrid nanomaterials: synthesis and variable UV-blocking properties. <i>Journal of Sol-Gel Science and Technology</i> , 2011 , 58, 326-329	2.3	36
216	Predicting two-dimensional pentagonal transition metal monophosphides for efficient electrocatalytic nitrogen reduction. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 11444-11451	13	35
215	Electrical modulus analysis on the Ni/CCTO/PVDF system near the percolation threshold. <i>Journal Physics D: Applied Physics</i> , 2011 , 44, 475305	3	35
214	Effect of alkaline-earth oxides on phase formation and morphology development of mullite ceramics. <i>Ceramics International</i> , 2004 , 30, 1319-1323	5.1	35
213	Harvesting vibration energy to piezo-catalytically generate hydrogen through Bi2WO6 layered-perovskite. <i>Nano Energy</i> , 2020 , 78, 105351	17.1	35
212	In situ growth of CoP nanoparticles anchored on (N,P) co-doped porous carbon engineered by MOFs as advanced bifunctional oxygen catalyst for rechargeable ZnBir battery. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 19043-19049	13	35
211	Stable freestanding Li-ion battery cathodes by in situ conformal coating of conducting polypyrrole on NiS-carbon nanofiber films. <i>Journal of Power Sources</i> , 2016 , 331, 360-365	8.9	35
210	Low temperature formation of yttrium aluminum garnet from oxides via a high-energy ball milling process. <i>Materials Letters</i> , 2002 , 56, 344-348	3.3	34
209	High pyrocatalytic properties of pyroelectric BaTiO3 nanofibers loaded by noble metal under room-temperature thermal cycling. <i>Ceramics International</i> , 2018 , 44, 21835-21841	5.1	34
208	Efficient Planar Perovskite Solar Cells with Reduced Hysteresis and Enhanced Open Circuit Voltage by Using PW12-TiO2 as Electron Transport Layer. <i>ACS Applied Materials & District Science</i> , 2016, 8, 8520-	6 ^{9.5}	33
207	Fabrication of crack-free anodic nanoporous titania and its enhanced photoelectrochemical response. <i>Applied Catalysis B: Environmental</i> , 2009 , 90, 262-267	21.8	33
206	Organic-free Anatase TiOlPaste for Efficient Plastic Dye-Sensitized Solar Cells and Low Temperature Processed Perovskite Solar Cells. <i>ACS Applied Materials & Description (Color Processed Perovskite Solar Cells)</i> , 7, 19431-8	9.5	32
205	Effect of transition metal oxides on mullite whisker formation from mechanochemically activated powders. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2003 , 359, 75-81	5.3	32
204	Improved performance of asymmetric fiber-based micro-supercapacitors using carbon nanoparticles for flexible energy storage. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 15633-15641	13	31
203	Analysis of internal stresses induced by strain recovery in a single SMA fiber that rix composite. <i>Composites Part B: Engineering</i> , 2011 , 42, 1135-1143	10	31
202	Dielectric, ferroelectric properties, and grain growth of CaxBa1½Nb2O6 ceramics with tungsten-bronzes structure. <i>Journal of Applied Physics</i> , 2008 , 104, 024101	2.5	31
201	Growth of mullite whiskers in mechanochemically activated oxides doped with WO3. <i>Journal of the European Ceramic Society</i> , 2003 , 23, 2257-2264	6	31

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200	Core/shell TiO2MnO2/MnO2 heterostructure anodes for high-performance lithium-ion batteries. <i>RSC Advances</i> , 2014 , 4, 39906	3.7	30
199	Structural dependence of piezoelectric, dielectric and ferroelectric properties of K0.5Na0.5(Nb1Øx/5Cux)O3 lead-free ceramics with high Qm. <i>Materials Research Bulletin</i> , 2012 , 47, 4472	2-4477	30
198	Interfacial engineering of front-contact with finely tuned polymer interlayers for high-performance large-area flexible perovskite solar cells. <i>Nano Energy</i> , 2019 , 62, 734-744	17.1	29
197	Unravelling the Mechanism of Ionic Fullerene Passivation for Efficient and Stable Methylammonium-Free Perovskite Solar Cells. <i>ACS Energy Letters</i> , 2020 , 5, 2015-2022	20.1	29
196	Epitaxial ferroelectric Hf0.5Zr0.5O2 thin film on a buffered YSZ substrate through interface reaction. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 9224-9231	7.1	28
195	Revisit of the Vgel E ulcher freezing in lead magnesium niobate relaxors. <i>Applied Physics Letters</i> , 2010 , 97, 132905	3.4	28
194	Crossover from a nearly constant loss to a superlinear power-law behavior in Mn-doped Bi(Mg1/2Ti1/2)O3PbTiO3 ferroelectrics. <i>Journal of Applied Physics</i> , 2010 , 107, 084112	2.5	28
193	Enhanced charge storage by the electrocatalytic effect of anodic TiOIhanotubes. <i>Nanoscale</i> , 2011 , 3, 4174-81	7.7	28
192	Lead zirconate titanate ceramics derived from oxide mixture treated by a high-energy ball milling process. <i>Materials Letters</i> , 2001 , 50, 129-133	3.3	28
191	Photocatalysis-Assisted CoO/g-CN p-n Junction All-Solid-State Supercapacitors: A Bridge between Energy Storage and Photocatalysis. <i>Advanced Science</i> , 2020 , 7, 2001939	13.6	28
190	TiO2-B nanowires via topological conversion with enhanced lithium-ion intercalation properties. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 3842-3847	13	27
189	Ni@NiO core/shell dendrites for ultra-long cycle life electrochemical energy storage. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 15049-15056	13	27
188	Harvesting the Vibration Energy of BiFeO3 Nanosheets for Hydrogen Evolution. <i>Angewandte Chemie</i> , 2019 , 131, 11905-11910	3.6	26
187	Tuning of dielectric and ferroelectric properties in single phase BiFeO3 ceramics with controlled Fe2+/Fe3+ ratio. <i>Ceramics International</i> , 2014 , 40, 5263-5268	5.1	26
186	Vacancy-induced magnetism in BaTiO3(001) thin films based on density functional theory. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 4738-45	3.6	26
185	Enhanced photoelectrochemical current response of titania nanotube array. <i>Materials Letters</i> , 2006 , 60, 3558-3560	3.3	26
184	Zinc niobate derived from mechanochemically activated oxides. <i>Journal of Alloys and Compounds</i> , 2002 , 347, 308-313	5.7	26
183	Electrocatalytic Iodine Reduction Reaction Enabled by Aqueous Zinc-Iodine Battery with Improved Power and Energy Densities. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 3791-3798	16.4	26

182	Nitrogen-doped graphitic hierarchically porous carbon nanofibers obtained via bimetallic-coordination organic framework modification and their application in supercapacitors. <i>Dalton Transactions</i> , 2018 , 47, 7316-7326	4.3	25
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180	Suppressing the Coffee-Ring Effect in Semitransparent MnO2 Film for a High-Performance Solar-Powered Energy Storage Window. <i>ACS Applied Materials & District Research</i> , 8, 9088-96	9.5	25
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