Huiqing Fan

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

444 papers	14,367 citations	63 h-index	92 g-index
461 ext. papers	16,613 ext. citations	4.7 avg, IF	7.14 L-index

#	Paper	IF	Citations
444	Large electrostrictive effect and dielectric properties of (K0.5Na0.5)NbO3-BaZrO3 ceramics. *Journal of the European Ceramic Society*, **2022**, 42, 2195-2203	6	1
443	Mechanical Energy Harvesting and Specific Potential Distribution of a Flexible Piezoelectric Nanogenerator Based on 2-D BaTiO3-Oriented Polycrystals. *ACS Sustainable Chemistry and Engineering*, **2022**, 10, 3276-3287	8.3	6
442	The dry sliding wear rate of a Fe-based amorphous coating prepared on mild steel by HVOF thermal spraying. *Journal of Materials Research and Technology*, **2022**, 18, 1682-1691	5.5	1
441	Hydrothermal synthesis and their ethanol gas sensing performance of 3-dimensional hierarchical nano Pt/SnO2. *Journal of Alloys and Compounds*, **2022**, 909, 164693	5.7	0
440	Enhanced energy storage density with excellent temperature-stable dielectric properties of (1-x)[(Bi0.5Na0.5)0.94Ba0.06TiO3]-xAgNbO3 lead-free ceramics. *Journal of Alloys and Compounds*, **2022**, 911, 165019	5.7	0
439	Effect of the element ratio in the doping component on the properties of 0.975(0.8Bi1/2Na1/2TiO3□.2Bi1/2K1/2TiO3)□.025Bix/3Mgy/3Nbz/3O3 ceramics **2021**, 36, 1114		1
438	A novel low-loss (1-x)(Ca0.8Sr0.2)TiO3-xSmAlO3 microwave dielectric ceramics with near-zero temperature coefficient. *Journal of Alloys and Compounds*, **2021**, 162809	5.7	1
437	Large field-induced strain with enhanced temperature-stable dielectric properties of AgNbO3-modified (Bi0.5Na0.5)0.94Ba0.06TiO3 lead-free ceramics. *Ceramics International*, **2021**, 47, 20900-20900	5.1	1
436	Influence of Eu3+-doped BaTiO3 phosphors on structural, optical and photoluminescence properties. *Journal of Materials Science: Materials in Electronics*, **2021**, 32, 12253-12264	2.1	2
435	Multi-walled carbon nanotubes/polyaniline on the ethylenediamine modified polyethylene terephthalate fibers for a flexible room temperature ammonia gas sensor with high responses. *Sensors and Actuators B: Chemical*, **2021**, 334, 129677	8.5	16
434	Enhanced dielectric temperature stability and energy-storage properties of (Y0.5Nb0.5)4+ co-doped (Bi0.5Na0.5)0.94Ba0.06TiO3 lead-free relaxor ceramics. *Journal of Materials Science*, **2021** , 56, 14672-14683	4.3	1
433	Large electro-strain with excellent fatigue resistance of lead-free (Bi0.5Na0.5)0.94Ba0.06Ti1-(Y0.5Nb0.5) O3 perovskite ceramics. *Ceramics International*, **2021**, 47, 17092-17098	5.1	3
432	Large electrostrain and high energy-storage of (1-x)[0.94(Bi0.5Na0.5) TiO3-0.06BaTiO3]-xBa(Sn0.70Nb0.24)O3 lead-free ceramics. *Ceramics International*, **2021**, 47, 18487-18496	5.1	5
431	In situ growth of boron doped g-C3N4 on carbon fiber cloth as a recycled flexible film-photocatalyst. *Ceramics International*, **2021**, 47, 1258-1267	5.1	29
430	Gaint electric field-induced strain and ferroelectric behavior of Bi0.5Na0.4K0.1TiO3-Na1-xLixNbO3 lead-free ceramics. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2021**, 263, 114819	3.1	1
429	Large strain with enhanced energy-storage and temperature stable dielectric properties in Bi0.38Na0.38Sr0.24Ti(1-)(Mn1/3Nb2/3) O3 ceramics. *Ceramics International*, **2021**, 47, 1325-1332	5.1	9
428	Large electrostrain in Bi1/2Na1/2TiO3-based relaxor ferroelectrics: A case study of Bi1/2Na1/2TiO3-Bi1/2K1/2TiO3-Bi(Ni2/3Nb1/3)O3 ceramics. *Journal of Materiomics*, **2021**, 7, 593-602	6.7	12

427	Electro-mechano-optical properties of the Er3+ modified Bi0.5Na0.4K0.1TiO3 versatile ceramics. *Journal of the European Ceramic Society*, **2021**, 41, 2488-2496	6	3
426	Enhanced energy storage performance and fatigue resistance of Mn-doped 0.7Na0.5Bi0.5TiO3□ 0.3Sr0.7Bi0.2TiO3 lead-free ferroelectric ceramics. *Journal of Materials Research*, **2021**, 36, 1161-1170	2.5	2
425	Effect of the element ratio in the doping component on the properties of 0.975(0.8Bi1/2Na1/2TiO3□0.2Bi1/2K1/2TiO3)□0.025Bix/3Mgy/3Nbz/3O3 ceramics. *Journal of Materials Research*, **2021**, 36, 1114-1124	2.5	1
424	Enhanced energy-storage properties and dielectric temperature stability of (Bi0□5Na0.5)0.84Sr0□16Ti1-x(Y0□5Nb0.5)xO3 lead-free ceramics. *Ceramics International*, **2021**, 47, 34059-34059	5.1	3
423	Structure evolutions with enhanced dielectric permittivity and ferroelectric properties of Ba(1□)(La, Li)xTiO3 ceramics. *Journal of Materials Science: Materials in Electronics*, **2021**, 32, 23103-23115	2.1	0
422	Effect of BaSnO3 on structural and electrical properties of lead free Na0.5Bi0.5TiO3 ceramic solid solution. *Physica Scripta*, **2021**, 96, 125805	2.6	
421	High energy storage density and temperature-stable dielectric properties for (1-x)Bi0.38Na0.38Sr0.24TiO3-xBaSnO3 lead-free relaxor ceramics. *Ceramics International*, **2021**, 47, 33162-33162	5.1	2
420	Enhanced energy storage density and efficiency in Sm3+-doped ((Bi0.5Na0.5)0.7(Sr0.7Bi0.2)0.3))TiO3 ceramics. *Journal of Materials Science: Materials in Electronics*, **2021**, 32, 24930	2.1	0
419	(Na0.8-xK0.2Lix)0.5Bi0.5Ti0.985Ta0.015O3 lead-free ceramics with large strain and high recoverable energy density. *Journal of Alloys and Compounds*, **2021**, 879, 160378	5.7	2
418	Tailoring chemical structures and intermolecular interactions of melem intermediates for highly efficient photocatalytic hydrogen evolution of g-C3N4. *Applied Surface Science*, **2021**, 563, 150384	6.7	10
417	Large strain and low hysteresis in (0.64-x) Bi0.5Na0.5TiO3- 0.36Sr0.7Bi0.2TiO3- x(K0.5La0.5)(Ti0.9Zr0.1)O3 piezoceramics. *Ceramics International*, **2021**, 47, 30399-30405	5.1	1
416	Graphitic carbon nitride with thermally-induced nitrogen defects: an efficient process to enhance photocatalytic H production performance.. *RSC Advances*, **2020**, 10, 18632-18638	3.7	8
415	Ultrathin □MnO nanoflakes with Na intercalation as a high-capacity cathode for aqueous zinc-ion batteries.. *RSC Advances*, **2020**, 10, 17702-17712	3.7	24
414	High strain and high energy density of lead-free (Bi0.50Na0.40K0.10)0.94Ba0.06Ti(1□)(Al0.50Ta0.50)xO3 perovskite ceramics. *Journal of Materials Science*, **2020**, 55, 11137-11150	4.3	8
413	Enhanced temperature stable dielectric property and energy-storage performance of (1-x)(0.66Bi0.5Na0.5TiO3□0.34Sr0.7Bi0.2TiO3)□xK0.5Nd0.5TiO3 lead-free relaxor electroceramics. *Ceramics International*, **2020**, 46, 23194-23199	5.1	11
412	Preaddition of Cations to Electrolytes for Aqueous 2.2 V High Voltage Hybrid Supercapacitor with Superlong Cycling Life and Its Energy Storage Mechanism. *ACS Applied Materials & Interfaces*, **2020**, 12, 17659-17668	9.5	17
411	Ultrahigh-temperature piezoelectric polycrystalline ceramics: dramatically enhanced ferroelectricity, piezoelectricity and electrical resistivity in Ca1□xBi2+3xNb2□MnxO9. *Materials Research Letters*, **2020**, 8, 165-172	7.4	14
410	Simple electrodeposition of MoO3 film on carbon cloth for high-performance aqueous symmetric supercapacitors. *Chemical Engineering Journal*, **2020**, 390, 124477	14.7	50

409	3D porous flower-like ZnO microstructures loaded by large-size Ag and their ultrahigh sensitivity to ethanol. *Journal of Alloys and Compounds*, **2020**, 829, 154453	5.7	29
408	Beyond intercalation-based supercapacitors: The electrochemical oxidation from Mn3O4 to Li4Mn5O12 in Li2SO4 electrolyte. *Nano Energy*, **2020**, 71, 104626	17.1	29
407	Mechanical and electrical properties of lithium stabilized sodium beta alumina solid electrolyte shaping by non-aqueous gelcasting. *Journal of the European Ceramic Society*, **2020**, 40, 3072-3079	6	4
406	Sodium in situ Intercalated Ultrathin δMnO2 Flakes Electrode with Enhanced Intercalation Capacitive Performance for Asymmetric Supercapacitors. *ChemistrySelect*, **2020**, 5, 869-874	1.8	4
405	In situ synthesis of 3D Co@Co3O4 nanosheet arrays for hybrid supercapacitors with ultra-high rate performance. *Journal of Alloys and Compounds*, **2020**, 826, 154115	5.7	37
404	Strain properties of (1-x)Bi0.5Na0.4K0.1TiO3-xBi(Mg2/3Ta1/3)O3 electroceramics. *Ceramics International*, **2020**, 46, 21211-21215	5.1	13
403	Giant electro-strain and enhanced energy storage performance of (Y0.5Ta0.5)4+ co-doped 0.94(Bi0.5Na0.5)TiO3-0.06BaTiO3 lead-free ceramics. *Ceramics International*, **2020**, 46, 281-288	5.1	50
402	[Bi0.5(Na0.4-Li K0.1)]0.96Sr0.04Ti0.975Ta0.025O3 lead-free RELAXOR ceramics with the enhanced recoverable energy density. *Ceramics International*, **2020**, 46, 715-721	5.1	22
401	Balanced development of dielectric permittivity, loss tangent, and temperature stability in K0.5Na0.5NbO3-based ceramic capacitors. *Journal of Alloys and Compounds*, **2020**, 817, 152798	5.7	5
400	High energy storage density and stable fatigue resistance of Na0.46Bi0.46Ba0.05La0.02Zr0.03Ti0.97-xSnxO3 ceramics. *Ceramics International*, **2020**, 46, 5681-5688	5.1	15
399	The large electro-strain in BNKT-BST-100xTa lead-free ceramics. *Ceramics International*, **2020**, 46, 1876-1882	5.1	14
398	Large electric field-induced strain in the novel BNKTAN-BNBLTZ lead-free ceramics. *Journal of Materials Science and Technology*, **2020**, 45, 15-22	9.1	10
397	Enhanced energy-storage performance and thermally stable permittivity for K0.5Na0.5NbO3 modified [(Na0.5Bi0.5)0.84Sr0.16]0.98La0.01TiO3 lead-free perovskite ceramics. *Ceramics International*, **2020**, 46, 9637-9645	5.1	25
396	Facile metal-organic frameworks-templated fabrication of hollow indium oxide microstructures for chlorine detection at low temperature. *Journal of Hazardous Materials*, **2020**, 387, 122017	12.8	27
395	A Codoped Polymeric Photocatalyst with Prolonged Carrier Lifetime and Extended Spectral Response up to 600 nm for Enhanced Hydrogen Evolution. *ACS Applied Materials & Interfaces*, **2020**, 12, 5234-5243	9.5	23
394	High sensitivity and ultra-low detection limit of chlorine gas sensor based on In2O3 nanosheets by a simple template method. *Sensors and Actuators B: Chemical*, **2020**, 305, 127456	8.5	38
393	Facile synthesis of carbon self-doped g-C3N4 for enhanced photocatalytic hydrogen evolution. *Ceramics International*, **2020**, 46, 7888-7895	5.1	27
392	Secondary electron emission performance of the surface Ni-doped MgO-Au thin film under continuous electron bombardment. *Materials Letters*, **2020**, 278, 128452	3.3	2

391	Enhanced Adsorption of Methylene Blue Triggered by the Phase Transition of Thermoresponsive Polymers in Hybrid Interpenetrating Polymer Network Hydrogels. *ACS Applied Polymer Materials*, **2020**, 2, 3674-3684	4.3	13
390	[(Bi0.50Na0.40K0.10)0.94Ba0.06]1-xLaxTi0.975Ta0.025O3 lead-free relaxor ceramics with high energy storage density and thermally stable dielectric properties. *Journal of Materials Science*, **2020** , 55, 14728-14739	4.3	18
389	Dielectric temperature stability and energy storage performance of B-site Sn4+-doped BNKBST ceramics. *Journal of Materials Science: Materials in Electronics*, **2020**, 31, 13620-13627	2.1	3
388	Enhanced recoverable energy density of 0.94Bi0.50(Na0.78K0.22)0.50Ti1-x(Fe0.50Nb0.50)xO3-0.06BaZrO3 lead-free relaxor ceramics doped by (Fe0.50Nb0.50)4+ complex ions. *SN Applied Sciences*, **2020**, 2, 1	1.8	
387	Wearable Bracelet Monitoring the Solar Ultraviolet Radiation for Skin Health Based on Hybrid IPN Hydrogels. *ACS Applied Materials & Interfaces*, **2020**, 12, 56480-56490	9.5	16
386	ZnO-SnO2 nano-heterostructures with high-energy facets for high selective and sensitive chlorine gas sensor. *Ceramics International*, **2020**, 46, 27499-27507	5.1	22
385	1D-2D Ag nanowire/g-C3N4 hybrid obtained via a post-mechanical-mixing route for photocatalytic Rhodamine B degradation. *Research on Chemical Intermediates*, **2020**, 46, 4673-4684	2.8	1
384	Significantly enhanced electrical properties in CaBi2Nb2O9-based high-temperature piezoelectric ceramics. *Applied Physics Letters*, **2020**, 117, 032902	3.4	14
383	Vibration catalysis of eco-friendly Na0.5K0.5NbO3-based piezoelectric: An efficient phase boundary catalyst. *Applied Catalysis B: Environmental*, **2020**, 279, 119353	21.8	37
382	Hydrogel-supported graphitic carbon nitride nanosheets loaded with Pt atoms as a novel self-water-storage photocatalyst for H2 evolution. *Journal of Materials Chemistry A*, **2020**, 8, 23812-23819	13	18
381	Performance of Nano-3YSZ toughened β-Alumina solid electrolyte prepared by EDTA-Zr(IV)/Y(III) complex as surface modifier. *Journal of Alloys and Compounds*, **2020**, 817, 152717	5.7	8
380	Large electrostrictive effect and energy storage density in MnCO3 modified Na0.325Bi0.395Sr0.245?0.035TiO3 lead-free ceramics. *Ceramics International*, **2020**, 46, 3374-3381	5.1	12
379	Investigating the large potential window of NiCo2O4 supercapacitors in neutral aqueous electrolyte. *Electrochimica Acta*, **2019**, 321, 134681	6.7	19
378	Entire synergistic contribution of electrodeposited battery-type NiCo2O4@Ni4.5Co4.5S8 composite for high-performance supercapacitors. *Journal of Power Sources*, **2019**, 439, 227097	8.9	51
377	High oxide ion conductivity in layer-structured Bi4Ti3O12-based ferroelectric ceramics. *Journal of Materials Chemistry C*, **2019**, 7, 8825-8835	7.1	22
376	Bi0.48(Na0.84K0.16)0.48Sr0.04(Ti1-Ta)O3 lead-free ceramics with enhanced electric field-induced strain. *Journal of Alloys and Compounds*, **2019**, 803, 1082-1089	5.7	20
375	Enhanced temperature stable dielectric properties and energy-storage density of BaSnO3-modified (Bi0.5Na0.5)0.94Ba0.06TiO3 lead-free ceramics. *Ceramics International*, **2019**, 45, 19822-19828	5.1	40
374	Double polarization hysteresis and dramatic influence of small compositional variations on the electrical properties in Bi4Ti3O12 ceramics. *Journal of the European Ceramic Society*, **2019**, 39, 4103-4112	6	24

373	Dielectric, impedance and piezoelectric properties of (K0.5Nd0.5)TiO3-doped 0.67BiFeO3-0.33BaTiO3 ceramics. *Journal of the European Ceramic Society*, **2019**, 39, 4096-4102	6	31
372	Preparation of partially-cladding NiCo-LDH/Mn3O4 composite by electrodeposition route and its excellent supercapacitor performance. *Journal of Alloys and Compounds*, **2019**, 796, 111-119	5.7	87
371	Templated manganese oxide by pyrolysis route as a promising candidate cathode for asymmetric supercapacitors. *Journal of Electroanalytical Chemistry*, **2019**, 843, 54-60	4.1	8
370	Aging of low-temperature derived highly flexible nanostructured TiO2/P3HT hybrid films during bending. *Journal of Materials Chemistry A*, **2019**, 7, 10805-10814	13	5
369	Study of pseudocapacitive contribution to superior energy storage of 3D heterostructure CoWO4/Co3O4 nanocone arrays. *Journal of Power Sources*, **2019**, 418, 202-210	8.9	83
368	Enhanced energy-storage performance and temperature-stable dielectric properties of (1-x)[(Na0.5Bi0.5)0.95Ba0.05]0.98La0.02TiO3-xK0.5Na0.5NbO3 lead-free ceramics. *Ceramics International*, **2019**, 45, 20427-20434	5.1	38
367	High sensitivity and selectivity chlorine gas sensors based on 3D open porous SnO2 synthesized by solid-state method. *Ceramics International*, **2019**, 45, 20566-20574	5.1	17
366	Synthesis of In2O3 hollow microspheres for chlorine gas sensing using yeast as bio-template. *Ceramics International*, **2019**, 45, 9225-9230	5.1	17
365	The evaluation of super-capacitive performance of novel g-C3N4/PPy nanocomposite electrode material with sandwich-like structure. *Composites Part B: Engineering*, **2019**, 162, 369-377	10	38
364	Influence of compositional ratio K/Na on structure and piezoelectric properties in [(Na1−Kx)0.5Bi0.5]Ti0.985Ta0.015O3 ceramics. *Journal of Materials Science*, **2019**, 54, 4523-4531	4.3	16
363	Graphitic carbon nitride nanosheets prepared by gaseous molecules assembling for enhanced photocatalytic performance. *Journal of Materials Science*, **2019**, 54, 1462-1474	4.3	16
362	Enhanced energy-storage performance and temperature-stable dielectric properties of (1−x)(0.94Na0.5Bi0.5TiO3−0.06BaTiO3)−Na0.73Bi0.09NbO3 ceramics. *Journal of Materials Science: Materials in Electronics*, **2019**, 30, 2479-2488	2.1	15
361	A Simple Absorbent Cotton Biotemplate to Fabricate SnO2 Porous Microtubules and Their Gas-Sensing Properties for Chlorine. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 147-155	8.3	27
360	Facile preparation of Ni-doped MnCO3 materials with controlled morphology for high-performance supercapacitor electrodes. *Ceramics International*, **2019**, 45, 5266-5275	5.1	12
359	Large strain response in (1-x)(0.94Bi0.5Na0.5TiO3-0.06BaTiO3)-xSr0.8Bi0.1?0.1Ti0.8Zr0.2O2.95 lead-free piezoelectric ceramics. *Ceramics International*, **2019**, 45, 1676-1682	5.1	13
358	Enhanced energy-storage performance of (1-x)(0.72Bi0.5Na0.5TiO3-0.28Bi0.2Sr0.7?0.1TiO3)-xLa ceramics. *Journal of Alloys and Compounds*, **2019**, 775, 116-123	5.7	52
357	Tailored dielectric tunability of alkali niobate-based antiferroelectric/relaxor-ferroelectric composites. *Journal of the European Ceramic Society*, **2018**, 38, 2871-2878	6	21
356	Ultrahigh sensitivity and selectivity chlorine gas sensing of In2O3 hollow microtubules by bio-template method with degreasing cotton. *Sensors and Actuators B: Chemical*, **2018**, 262, 17-25	8.5	40

355	Porous graphitic carbon nitride nanosheets by pre-polymerization for enhanced photocatalysis. *Materials Characterization*, **2018**, 139, 89-99	3.9	46
354	3D hierarchical CoWO4/Co3O4 nanowire arrays for asymmetric supercapacitors with high energy density. *Chemical Engineering Journal*, **2018**, 347, 291-300	14.7	123
353	Coaxial rotatory-freestanding triboelectric nanogenerator for effective energy scavenging from wind. *Smart Materials and Structures*, **2018**, 27, 065016	3.4	8
352	Large strain response with low driving field in Bi1/2Na1/2TiO3Bi1/2K1/2TiO3Bi(Mg2/3Nb1/3)O3 ceramics. *Journal of the American Ceramic Society*, **2018**, 101, 3947-3955	3.8	35
351	Enhanced temperature-stability in tunable dielectric properties of (1-x)(K0.49Na0.49Li0.02)(Nb0.8Ta0.2)O3-xCaZrO3 ceramics. *Ceramics International*, **2018**, 44, 8133-8137	5.1	13
350	Hierarchical Co3O4/PANI hollow nanocages: Synthesis and application for electrode materials of supercapacitors. *Applied Surface Science*, **2018**, 441, 194-203	6.7	134
349	Room temperature synthesis and enhanced photocatalytic property of CeO2/ZnO heterostructures. *Applied Physics A: Materials Science and Processing*, **2018**, 124, 1	2.6	28
348	Unusual devisable high-performance perovskite materials obtained by engineering in twins, domains, and antiphase boundaries. *Inorganic Chemistry Frontiers*, **2018**, 5, 568-576	6.8	8
347	Hydrothermally Induced Oxygen Doping of Graphitic Carbon Nitride with a Highly Ordered Architecture and Enhanced Photocatalytic Activity. *ChemSusChem*, **2018**, 11, 700-708	8.3	73
346	Theoretical studies on electronic structure and optical properties of Bi2WO6. *Optik*, **2018**, 158, 962-969	2.5	12
345	Enhanced energy-storage performance and dielectric temperature stability of (1-x)(0.65Bi0.5Na0.5TiO3-0.35Bi0.1Sr0.85TiO3)-xKNbO3 ceramics. *Ceramics International*, **2018**, 44, 10968-10974	5.1	74
344	Large strain of temperature insensitive in (1⊠)(0.94Bi0.5Na0.5TiO3⊡0.06BaTiO3) ⊠Sr0.7La0.2TiO3 lead-free ceramics. *Ceramics International*, **2018**, 44, 11331-11339	5.1	34
343	Pt-decorated zinc oxide nanorod arrays with graphitic carbon nitride nanosheets for highly efficient dual-functional gas sensing. *Journal of Hazardous Materials*, **2018**, 341, 102-111	12.8	192
342	A novel ((Bi0.5Na0.5)0.94Ba0.06)1-x (K0.5Nd0.5)xTiO3 lead-free relaxor ferroelectric ceramic with large electrostrains at wide temperature ranges. *Ceramics International*, **2018**, 44, 571-579	5.1	43
341	Dielectric, conductivity and piezoelectric properties in (0.67-x)BiFeO3-0.33BaTiO3-xSrZrO3 ceramics. *Ceramics International*, **2018**, 44, 18821-18827	5.1	35
340	Highly Efficient Visible-Light-Induced Photocatalytic Production of Hydrogen for Magnetically Retrievable Fe3O4@SiO2@MoS2/g-C3N4 Hierarchical Microspheres. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 9903-9911	8.3	21
339	Energy storage properties of NaNbO3-CaZrO3 ceramics with coexistence of ferroelectric and antiferroelectric phases. *Journal of the European Ceramic Society*, **2018**, 38, 4939-4945	6	81
338	Electron-induced secondary electron emission of Zn-doped MgO/Au composite film. *Materials Letters*, **2018**, 229, 360-363	3.3	6

337	Highly dispersed PtO nanodots as efficient co-catalyst for photocatalytic hydrogen evolution. *Applied Surface Science*, **2018**, 462, 423-431	6.7	80
336	Wind energy harvester based on coaxial rotatory freestanding triboelectric nanogenerators for self-powered water splitting. *Nano Energy*, **2018**, 50, 562-570	17.1	59
335	Temperature-stable dielectric and energy storage properties of La(Ti0.5Mg0.5)O3-doped (Bi0.5Na0.5)TiO3-(Sr0.7Bi0.2)TiO3 lead-free ceramics. *Journal of the American Ceramic Society*, **2018** , 101, 5578-5585	3.8	65
334	Molybdenum-doped hexagonal birnessite as a promising electrode material of the electrochemical capacitor. *Applied Physics A: Materials Science and Processing*, **2018**, 124, 1	2.6	5
333	Highly sensitive humidity sensor based on lithium stabilized Na-β-alumina: dc and ac analysis. *Sensors and Actuators B: Chemical*, **2018**, 255, 1445-1454	8.5	23
332	Microstructure, phase evolution and interfacial effects in a new Zn0.9Mg0.1TiO3-ZnNb2O6 ceramic system with greatly induced improvement in microwave dielectric properties. *Scripta Materialia*, **2018**, 146, 154-159	5.6	18
331	Enhanced energy-storage properties of (1-x)(0.7Bi0.5Na0.5TiO3-0.3Bi0.2Sr0.7TiO3)-xNaNbO3 lead-free ceramics. *Ceramics International*, **2018**, 44, 2782-2788	5.1	59
330	Au Doping Effect on the Secondary Electron Emission Performance of MgO Films. *Materials*, **2018**, 11,	3.5	5
329	Analysis of secondary electron emission properties of MgO/Au composite film with an Al-doped MgO surface layer. *AIP Advances*, **2018**, 8, 115031	1.5	2
328	Ag modified bismuth ferrite nanospheres as a chlorine gas sensor.. *RSC Advances*, **2018**, 8, 33156-33163	3.7	11
327	Effects of Excess Barium on the Structure and Electrical Properties of (Ba,Ca)TiO3 Piezoelectric Ceramics with High Mechanical Quality Factors. *Journal Wuhan University of Technology, Materials Science Edition*, **2018**, 33, 1039-1045	1	2
326	Towards high areal capacitance, rate capability, and tailorable supercapacitors: Co3O4@polypyrrole core□shell nanorod bundle array electrodes. *Journal of Materials Chemistry A*, **2018**, 6, 19058-19065	13	79
325	High energy storage performance of [(Bi0.5Na0.5)0.94Ba0.06]0.97La0.03Ti1-(Al0.5Nb0.5) O3 ceramics with enhanced dielectric breakdown strength. *Ceramics International*, **2018**, 44, 15160-15166	5.1	32
324	High temperature stable dielectric properties and enhanced energy-storage performance of (1□x)(0.85Na0.5Bi0.5TiO3 □0.15Ba0.8Ca0.2Ti0.8Zr0.2O3)□xK0.5Na0.5NbO3 lead-free ceramics. *Ceramics International*, **2018**, 44, 18054-18059	5.1	35
323	Temperature-insensitive dielectric and piezoelectric properties in (1-x)K 0.5 Na 0.5 Nb 0.997 Cu 0.0075 O 3 -xSrZrO 3 ceramics. *Journal of the European Ceramic Society*, **2017**, 37, 2091-2097	6	23
322	Dielectric properties of compositionally graded Ba1□LaxTi1□/4O3 thick films. *Ceramics International*, **2017**, 43, 5347-5350	5.1	9
321	Triboelectric Nanogenerators Based on Fluorinated Wasted Rubber Powder for Self-Powering Application. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 1957-1964	8.3	27
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