

Huiqing Fan

List of Publications by Citations

Source: <https://exaly.com/author-pdf/3068555/huiqing-fan-publications-by-citations.pdf>

Version: 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Nitrogen self-doped graphitic carbon nitride as efficient visible light photocatalyst for hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 13819-13826	13	314
443	Multilayered ZnO Nanosheets with 3D Porous Architectures: Synthesis and Gas Sensing Application. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 14684-14691	3.8	284
442	Zeolitic Imidazolate Framework Coated ZnO Nanorods as Molecular Sieving to Improve Selectivity of Formaldehyde Gas Sensor. <i>ACS Sensors</i> , 2016 , 1, 243-250	9.2	274
441	A Giant Electrocaloric Effect in Nanoscale Antiferroelectric and Ferroelectric Phases Coexisting in a Relaxor Pb _{0.8} Ba _{0.2} ZrO ₃ Thin Film at Room Temperature. <i>Advanced Functional Materials</i> , 2013 , 23, 2987-2992	15.6	261
440	Protonation of Graphitic Carbon Nitride (g-C ₃ N ₄) for an Electrostatically Self-Assembling Carbon@g-C ₃ N ₄ Core-Shell Nanostructure toward High Hydrogen Evolution. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 7093-7103	8.3	197
439	Pt-decorated zinc oxide nanorod arrays with graphitic carbon nitride nanosheets for highly efficient dual-functional gas sensing. <i>Journal of Hazardous Materials</i> , 2018 , 341, 102-111	12.8	192
438	The n-ZnO/n-In ₂ O ₃ heterojunction formed by a surface-modification and their potential barrier-control in methanal gas sensing. <i>Sensors and Actuators B: Chemical</i> , 2016 , 222, 508-516	8.5	174
437	Water-assisted ions in situ intercalation for porous polymeric graphitic carbon nitride nanosheets with superior photocatalytic hydrogen evolution performance. <i>Applied Catalysis B: Environmental</i> , 2016 , 190, 93-102	21.8	165
436	Giant strain with low hysteresis in A-site-deficient (Bi _{0.5} Na _{0.5})TiO ₃ -based lead-free piezoceramics. <i>Acta Materialia</i> , 2017 , 128, 337-344	8.4	158
435	Flexible Lead-Free BiFeO ₃ /PDMS-Based Nanogenerator as Piezoelectric Energy Harvester. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 26190-26197	9.5	158
434	Large Energy Storage Density and High Thermal Stability in a Highly Textured (111)-Oriented Pb _{0.8} Ba _{0.2} ZrO ₃ Relaxor Thin Film with the Coexistence of Antiferroelectric and Ferroelectric Phases. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 13512-7	9.5	148
433	Perovskite stabilization and electromechanical properties of polycrystalline lead zinc niobate/lead zirconate titanate. <i>Journal of Applied Physics</i> , 2002 , 91, 317	2.5	142
432	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
431	Sol-gel derived CaCu ₃ Ti ₄ O ₁₂ ceramics: Synthesis, characterization and electrical properties. <i>Materials Research Bulletin</i> , 2008 , 43, 1800-1807	5.1	139
430	Effects of depositing temperatures on structure and optical properties of TiO ₂ film deposited by ion beam assisted electron beam evaporation. <i>Applied Surface Science</i> , 2008 , 254, 2685-2689	6.7	137
429	Hierarchical Co ₃ O ₄ /PANI hollow nanocages: Synthesis and application for electrode materials of supercapacitors. <i>Applied Surface Science</i> , 2018 , 441, 194-203	6.7	134
428	Surface defects control for ZnO nanorods synthesized by quenching and their anti-recombination in photocatalysis. <i>Applied Surface Science</i> , 2015 , 332, 47-54	6.7	129

427	3D hierarchical CoWO ₄ /Co ₃ O ₄ nanowire arrays for asymmetric supercapacitors with high energy density. <i>Chemical Engineering Journal</i> , 2018 , 347, 291-300	14.7	123
426	Large Electrostrictive Strain in (Bi _{0.5} Na _{0.5})TiO ₃ BaTiO ₃ (Sr _{0.7} Bi _{0.2})TiO ₃ Solid Solutions. <i>Journal of the American Ceramic Society</i> , 2014 , 97, 848-853	3.8	121
425	Synthesis of Cu ₂ O/ZnO hetero-nanorod arrays with enhanced visible light-driven photocatalytic activity. <i>CrystEngComm</i> , 2014 , 16, 1149-1156	3.3	120
424	Relaxor behavior in CaCu ₃ Ti ₄ O ₁₂ ceramics. <i>Applied Physics Letters</i> , 2006 , 89, 182904	3.4	118
423	Giant strain response and structure evolution in (Bi _{0.5} Na _{0.5}) _{0.945} (Bi _{0.2} Sr _{0.7}) _{0.1} xBa _{0.055} TiO ₃ ceramics. <i>Journal of the European Ceramic Society</i> , 2014 , 34, 3675-3683	6	103
422	Composition- and Temperature-Dependent Large Strain in (1-x)(0.8Bi _{0.5} Na _{0.5} TiO ₃ 0.2Bi _{0.5} K _{0.5} TiO ₃)xNaNbO ₃ Ceramics. <i>Journal of the American Ceramic Society</i> , 2015 , 98, 1150-1155	3.8	102
421	Average vs. local structure and composition-property phase diagram of K _{0.5} Na _{0.5} NbO ₃ -Bi ₂ Na ₂ TiO ₃ system. <i>Journal of the European Ceramic Society</i> , 2017 , 37, 1387-1399	6	93
420	Enhanced energy-storage performance and dielectric characterization of 0.94Bi _{0.5} Na _{0.5} TiO ₃ 0.06BaTiO ₃ modified by CaZrO ₃ . <i>Journal of Alloys and Compounds</i> , 2016 , 663, 701-707	5.7	92
419	Colossal permittivity and impedance analysis of niobium and aluminum co-doped TiO ₂ ceramics. <i>RSC Advances</i> , 2016 , 6, 48708-48714	3.7	92
418	Ag/BiPO ₄ heterostructures: synthesis, characterization and their enhanced photocatalytic properties. <i>Dalton Transactions</i> , 2013 , 42, 13172-8	4.3	89
417	Space-charge relaxation and electrical conduction in K _{0.5} Na _{0.5} NbO ₃ at high temperatures. <i>Applied Physics A: Materials Science and Processing</i> , 2011 , 104, 1047-1051	2.6	88
416	Preparation of partially-cladding NiCo-LDH/Mn ₃ O ₄ composite by electrodeposition route and its excellent supercapacitor performance. <i>Journal of Alloys and Compounds</i> , 2019 , 796, 111-119	5.7	87
415	Intrinsic electric field assisted polymeric graphitic carbon nitride coupled with Bi ₄ Ti ₃ O ₁₂ /Bi ₂ Ti ₂ O ₇ heterostructure nanofibers toward enhanced photocatalytic hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 16913-16926	6.7	87
414	Electrical heterogeneity in CaCu ₃ Ti ₄ O ₁₂ ceramics fabricated by sol-gel method. <i>Solid State Communications</i> , 2007 , 142, 573-576	1.6	86
413	Noble metal-free modified electrode of exfoliated graphitic carbon nitride/ZnO nanosheets for highly efficient hydrogen peroxide sensing. <i>Electrochimica Acta</i> , 2017 , 247, 787-794	6.7	84
412	Study of pseudocapacitive contribution to superior energy storage of 3D heterostructure CoWO ₄ /Co ₃ O ₄ nanocone arrays. <i>Journal of Power Sources</i> , 2019 , 418, 202-210	8.9	83
411	Enhanced blue-green emission and ethanol sensing of Co-doped ZnO nanocrystals prepared by a solvothermal route. <i>Applied Physics A: Materials Science and Processing</i> , 2010 , 98, 537-542	2.6	82
410	Energy storage properties of NaNbO ₃ -CaZrO ₃ ceramics with coexistence of ferroelectric and antiferroelectric phases. <i>Journal of the European Ceramic Society</i> , 2018 , 38, 4939-4945	6	81

- 409 Microstructures and electrical responses of pure and chromium-doped $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$ ceramics. *Journal of Alloys and Compounds*, **2012**, 511, 90-94 5.7 81
- 408 Highly dispersed PtO nanodots as efficient co-catalyst for photocatalytic hydrogen evolution. *Applied Surface Science*, **2018**, 462, 423-431 6.7 80
- 407 Magnetic force driven noncontact electromagnetic-triboelectric hybrid nanogenerator for scavenging biomechanical energy. *Nano Energy*, **2017**, 35, 233-241 17.1 79
- 406 Structural, electronic and optical properties of BiFeO_3 studied by first-principles. *Journal of Alloys and Compounds*, **2011**, 509, 1901-1905 5.7 79
- 405 Towards high areal capacitance, rate capability, and tailorable supercapacitors: Co_3O_4 @polypyrrole core-shell nanorod bundle array electrodes. *Journal of Materials Chemistry A*, **2018**, 6, 19058-19065 13 79
- 404 Gas-sensing and electrical properties of perovskite structure p-type barium-substituted bismuth ferrite. *RSC Advances*, **2015**, 5, 29618-29623 3.7 78
- 403 Structure, phase transition behaviors and electrical properties of Nd substituted aurivillius polycrystalline $\text{Na}_{0.5}\text{Nd}_x\text{Bi}_{(2.5-x)}\text{Nb}_2\text{O}_9$ ($x = 0.1, 0.2, 0.3$, and 0.5). *Inorganic Chemistry*, **2013**, 52, 5045-5054 5.1 77
- 402 Effects of Na/K evaporation on electrical properties and intrinsic defects in $\text{Na}_{0.5}\text{K}_{0.5}\text{NbO}_3$ ceramics. *Materials Chemistry and Physics*, **2009**, 117, 138-141 4.4 77
- 401 A simple melamine-assisted exfoliation of polymeric graphitic carbon nitrides for highly efficient hydrogen production from water under visible light. *Journal of Materials Chemistry A*, **2015**, 3, 22404-22412 13 76
- 400 NiO/ZnO p-n heterostructures and their gas sensing properties for reduced operating temperature. *RSC Advances*, **2016**, 6, 109091-109098 3.7 76
- 399 Li-substituted $\text{K}_{0.5}\text{Na}_{0.5}\text{NbO}_3$ -based piezoelectric ceramics: Crystal structures and the effect of atmosphere on electrical properties. *Journal of Alloys and Compounds*, **2016**, 658, 839-847 5.7 76
- 398 Low temperature solution-based synthesis of porous flower-like $\alpha\text{-Fe}_2\text{O}_3$ superstructures and their excellent gas-sensing properties. *Sensors and Actuators B: Chemical*, **2011**, 160, 1372-1379 8.5 75
- 397 Ultra-fast synthesis and enhanced photocatalytic properties of $\alpha\text{-Fe}_2\text{O}_3/\text{ZnO}$ core-shell structure. *Materials Letters*, **2011**, 65, 1595-1597 3.3 75
- 396 Enhanced energy-storage performance and dielectric temperature stability of $(1-x)(0.65\text{Bi}_{0.5}\text{Na}_{0.5}\text{TiO}_3-0.35\text{Bi}_{0.1}\text{Sr}_{0.85}\text{TiO}_3)$ - $x\text{KNbO}_3$ ceramics. *Ceramics International*, **2018**, 44, 10968-10974 5.1 74
- 395 Duplex structure in $\text{K}_{0.5}\text{Na}_{0.5}\text{NbO}_3\text{-SrZrO}_3$ ceramics with temperature-stable dielectric properties. *Journal of the European Ceramic Society*, **2017**, 37, 115-122 6 74
- 394 Room-temperature solid state synthesis of $\text{Co}_3\text{O}_4/\text{ZnO}$ p-n heterostructure and its photocatalytic activity. *Advanced Powder Technology*, **2017**, 28, 953-963 4.6 73
- 393 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
- 392 Lorentz-type relationship of the temperature dependent dielectric permittivity in ferroelectrics with diffuse phase transition. *Applied Physics Letters*, **2008**, 93, 112906 3.4 73

391	Microwave-assisted hydrothermal synthesis of Cu/Cu ₂ O hollow spheres with enhanced photocatalytic and gas sensing activities at room temperature. <i>Dalton Transactions</i> , 2015 , 44, 7811-21	4.3	72
390	Effect of sintering temperature on the structure and properties of cerium-doped 0.94(Bi _{0.5} Na _{0.5})TiO ₃ 0.06BaTiO ₃ piezoelectric ceramics. <i>Journal of Alloys and Compounds</i> , 2008 , 458, 504-508	5.7	70
389	In ₂ O ₃ /SnO ₂ heterojunction microstructures: Facile room temperature solid-state synthesis and enhanced Cl ₂ sensing performance. <i>Sensors and Actuators B: Chemical</i> , 2013 , 185, 110-116	8.5	69
388	Dielectric relaxation in A ₂ FeNbO ₆ (A = Ba, Sr, and Ca) perovskite ceramics. <i>Journal of Electroceramics</i> , 2009 , 22, 252-256	1.5	69
387	Temperature-stable dielectric and energy storage properties of La(Ti _{0.5} Mg _{0.5})O ₃ -doped (Bi _{0.5} Na _{0.5})TiO ₃ -(Sr _{0.7} Bi _{0.2})TiO ₃ lead-free ceramics. <i>Journal of the American Ceramic Society</i> , 2018 , 101, 5578-5585	3.8	65
386	Solid state synthesis of tin-doped ZnO at room temperature: characterization and its enhanced gas sensing and photocatalytic properties. <i>Journal of Hazardous Materials</i> , 2011 , 193, 194-9	12.8	65
385	Antiferroelectric-like properties and enhanced polarization of Cu-doped K _{0.5} Na _{0.5} NbO ₃ piezoelectric ceramics. <i>Applied Physics Letters</i> , 2012 , 101, 082901	3.4	65
384	Electrical properties and microstructural characteristics of nonstoichiometric CaCu ₃ xTi ₄ O ₁₂ ceramics. <i>Journal of Alloys and Compounds</i> , 2009 , 469, 529-534	5.7	65
383	Ni-doped ZnO nanorods gas sensor: Enhanced gas-sensing properties, AC and DC electrical behaviors. <i>Sensors and Actuators B: Chemical</i> , 2014 , 199, 403-409	8.5	64
382	Room-temperature solid state synthesis of ZnO/Fe ₂ O ₃ hierarchical nanostructures and their enhanced gas-sensing properties. <i>Sensors and Actuators B: Chemical</i> , 2012 , 171-172, 1257-1263	8.5	64
381	Hydrothermal synthesis of single crystal MoO ₃ nanobelts and their electrochemical properties as cathode electrode materials for rechargeable lithium batteries. <i>Journal of Physics and Chemistry of Solids</i> , 2012 , 73, 423-429	3.9	61
380	Structure and piezoelectric properties of poly(vinylidene fluoride) studied by density functional theory. <i>Polymer</i> , 2006 , 47, 7988-7996	3.9	61
379	Self-assemble flower-like SnO ₂ /Ag heterostructures: Correlation among composition, structure and photocatalytic activity. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013 , 419, 140-146	5.1	60
378	Bi deficiencies induced high permittivity in lead-free BNBTBST high-temperature dielectrics. <i>Journal of Alloys and Compounds</i> , 2015 , 627, 463-467	5.7	59
377	Wind energy harvester based on coaxial rotatory freestanding triboelectric nanogenerators for self-powered water splitting. <i>Nano Energy</i> , 2018 , 50, 562-570	17.1	59
376	Phase transformation (cubic to rhombohedral): the effect on the NO ₂ sensing performance of Zn-doped flower-like In ₂ O ₃ structures. <i>RSC Advances</i> , 2014 , 4, 15161	3.7	59
375	Enhanced energy-storage properties of (1-x)(0.7Bi _{0.5} Na _{0.5} TiO ₃ -0.3Bi _{0.2} Sr _{0.7} TiO ₃)-xNaNbO ₃ lead-free ceramics. <i>Ceramics International</i> , 2018 , 44, 2782-2788	5.1	59
374	Effect of Lead Content on the Structure and Electrical Properties of Pb((Zn _{1/3} Nb _{2/3}) _{0.5} (Zr _{0.47} Ti _{0.53}) _{0.5})O ₃ Ceramics. <i>Journal of the American Ceramic Society</i> , 2001 , 84, 636-638	3.8	58

- 373 Optical and Tunable Dielectric Properties of $K_{0.5}Na_{0.5}NbO_3BrTiO_3$ Ceramics. *Journal of the American Ceramic Society*, **2016**, 99, 146-151 3.8 57
- 372 Dyed-graphitic carbon nitride with greatly extended visible-light-responsive range for hydrogen evolution. *Journal of Catalysis*, **2016**, 339, 93-101 7.3 57
- 371 Chemical bath deposition of Cu_2O quantum dots onto ZnO nanorod arrays for application in photovoltaic devices. *RSC Advances*, **2015**, 5, 23401-23409 3.7 56
- 370 Microstructure and dielectric properties of La_2O_3 films prepared by ion beam assistant electron-beam evaporation. *Journal of Non-Crystalline Solids*, **2009**, 355, 33-37 3.9 56
- 369 Enhanced gas sensing properties of SnO_2 : The role of the oxygen defects induced by quenching. *Journal of Alloys and Compounds*, **2016**, 669, 29-37 5.7 55
- 368 Rapid photocatalytic activity and honeycomb Ag/ZnO heterostructures via solution combustion synthesis. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2013**, 436, 787-795 5.1 55
- 367 Structural and photoluminescence of Mn-doped ZnO single-crystalline nanorods grown via solvothermal method. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2009**, 349, 202-206 5.1 55
- 366 Dielectric dispersion behavior of $Ba(Zr_{1-x}Ti_x)O_3$ solid solutions with a quasiferroelectric state. *Journal of Applied Physics*, **2008**, 104, 034108 2.5 53
- 365 Electrospinning derived hollow SnO_2 microtubes with highly photocatalytic property. *Catalysis Communications*, **2013**, 31, 37-41 3.2 52
- 364 Enhanced energy-storage performance of $(1-x)(0.72Bi_{0.5}Na_{0.5}TiO_3-0.28Bi_{0.2}Sr_{0.7}TiO_3)-xLa$ ceramics. *Journal of Alloys and Compounds*, **2019**, 775, 116-123 5.7 52
- 363 Entire synergistic contribution of electrodeposited battery-type $NiCo_2O_4@Ni_{4.5}Co_{4.5}S_8$ composite for high-performance supercapacitors. *Journal of Power Sources*, **2019**, 439, 227097 8.9 51
- 362 Reduced graphene oxide/ZnO nanohybrids: Metallic Zn powder induced one-step synthesis for enhanced photocurrent and photocatalytic response. *Applied Surface Science*, **2015**, 353, 580-587 6.7 51
- 361 Crystal structure and enhanced electromechanical properties of Aurivillius ferroelectric ceramics, $Bi_4Ti_3(Mg_{1/3}Nb_{2/3})_xO_{12}$. *Scripta Materialia*, **2014**, 75, 70-73 5.6 51
- 360 Simple electrodeposition of MoO_3 film on carbon cloth for high-performance aqueous symmetric supercapacitors. *Chemical Engineering Journal*, **2020**, 390, 124477 14.7 50
- 359 Large electrocaloric effect in $(Bi_{0.5}Na_{0.5})_{0.94}Ba_{0.06}TiO_3$ lead-free ferroelectric ceramics by La_2O_3 addition. *Materials Research Bulletin*, **2016**, 74, 57-61 5.1 50
- 358 Electrospun nanofibers of ZnO/ $BaTiO_3$ heterostructures with enhanced photocatalytic activity. *Catalysis Communications*, **2012**, 25, 32-35 3.2 50
- 357 Measurement of piezoelectric coefficients of lead zirconate titanate thin films by strain-monitoring pneumatic loading method. *Applied Physics Letters*, **2002**, 80, 4606-4608 3.4 50
- 356 Giant electro-strain and enhanced energy storage performance of $(Y_{0.5}Ta_{0.5})_{4+}$ co-doped $0.94(Bi_{0.5}Na_{0.5})TiO_3-0.06BaTiO_3$ lead-free ceramics. *Ceramics International*, **2020**, 46, 281-288 5.1 50

355	Novel sintering and band gap engineering of ZnTiO ₃ ceramics with excellent microwave dielectric properties. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 4040-4047	7.1	49
354	Enhanced energy storage and dielectric properties of Bi _{0.487} Na _{0.427} K _{0.06} Ba _{0.026} TiO ₃ -xCeO ₂ anti-ferroelectric ceramics. <i>Journal of Alloys and Compounds</i> , 2016 , 664, 632-638	5.7	48
353	Using sonochemistry for the fabrication of hollow ZnO microspheres. <i>Ultrasonics Sonochemistry</i> , 2010 , 17, 284-7	8.9	48
352	Colossal dielectric response in barium iron niobate ceramics obtained by different precursors. <i>Ceramics International</i> , 2008 , 34, 1059-1062	5.1	48
351	Origin of anomalous giant dielectric performance in novel perovskite: Bi(0.5-x)LaxNa(0.5-x)LixTi(1-y)MyO ₃ (M = Mg ²⁺ , Ga ³⁺). <i>Scientific Reports</i> , 2015 , 5, 12699	4.9	46
350	Morphology control of ZnO nanostructures for high efficient dye-sensitized solar cells. <i>Materials Characterization</i> , 2015 , 108, 51-57	3.9	46
349	Porous graphitic carbon nitride nanosheets by pre-polymerization for enhanced photocatalysis. <i>Materials Characterization</i> , 2018 , 139, 89-99	3.9	46
348	Electromechanical and electrical properties of Bi _{0.5} Na _{0.5} Ti _{1-x} MnxO ₃ ceramics with high remnant polarization. <i>Journal of Alloys and Compounds</i> , 2014 , 610, 189-195	5.7	46
347	Effect of lanthanum substitution at A site on structure and enhanced properties of new Aurivillius oxide K _{0.25} Na _{0.25} La _{0.5} Bi ₂ Nb ₂ O ₉ . <i>Dalton Transactions</i> , 2012 , 41, 11046-54	4.3	46
346	High temperature Aurivillius piezoelectrics: the effect of (Li, Ln) modification on the structure and properties of (Li, Ln) _{0.06} (Na, Bi) _{0.44} Bi ₂ Nb ₂ O ₉ (Ln = Ce, Nd, La and Y). <i>Dalton Transactions</i> , 2013 , 42, 3561-70	4.3	46
345	Enhanced energy-storage properties of BaZrO ₃ -modified 0.80Bi _{0.5} Na _{0.5} TiO ₃ -0.20Bi _{0.5} K _{0.5} TiO ₃ lead-free ferroelectric ceramics. <i>Journal of Materials Science</i> , 2016 , 51, 1153-1160	4.3	45
344	High temperature stable dielectric properties of (K _{0.5} Na _{0.5}) _{0.985} Bi _{0.015} Nb _{0.99} Cu _{0.01} O ₃ ceramics with core-shell microstructures. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 5851-5858	7.1	45
343	Effect of lanthanum and tungsten co-substitution on the structure and properties of new Aurivillius oxides Na _{0.5} La _{0.5} Bi ₂ Nb ₂ -xWxO ₉ . <i>CrystEngComm</i> , 2012 , 14, 7201	3.3	45
342	Effect of electric field on the structure and piezoelectric properties of poly(vinylidene fluoride) studied by density functional theory. <i>Polymer</i> , 2010 , 51, 3575-3581	3.9	45
341	PVP assisted in situ synthesis of functionalized graphene/ZnO (FGZnO) nanohybrids with enhanced gas-sensing property. <i>Journal of Materials Science</i> , 2015 , 50, 2229-2238	4.3	44
340	Defect dipoles and electrical properties of magnesium B-site substituted sodium potassium niobates. <i>Journal of Alloys and Compounds</i> , 2014 , 609, 60-67	5.7	44
339	Orthorhombic to tetragonal structural phase transition in Na _{0.5} K _{0.5} NbO ₃ -based ceramics. <i>Materials Letters</i> , 2012 , 68, 300-302	3.3	44
338	Electric-field induced phase transition and fatigue behaviors of (Bi _{0.5+x/2} Na _{0.5-x/2}) _{0.94} Ba _{0.06} Ti _{1-x} FexO ₃ ferroelectrics. <i>Journal of the American Ceramic Society</i> , 2017 , 100, 1080-1090	3.8	43

- 337 A novel $((\text{Bi}_{0.5}\text{Na}_{0.5})_{0.94}\text{Ba}_{0.06})_{1-x}(\text{K}_{0.5}\text{Nd}_{0.5})_x\text{TiO}_3$ lead-free relaxor ferroelectric ceramic with large electrostrains at wide temperature ranges. *Ceramics International*, **2018**, 44, 571-579 5.1 43
- 336 A simple route to disperse silver nanoparticles on the surfaces of silica nanofibers with excellent photocatalytic properties. *Materials Research Bulletin*, **2012**, 47, 1734-1739 5.1 42
- 335 Microstructure and electrical properties of $(1-x)[0.82\text{Bi}_{0.5}\text{Na}_{0.5}\text{TiO}_3 \cdot 0.18\text{Bi}_{0.5}\text{K}_{0.5}\text{TiO}_3]_x\text{BiFeO}_3$ lead-free piezoelectric ceramics. *Journal of Alloys and Compounds*, **2010**, 495, 280-283 5.7 42
- 334 Selective detection of acetone and gasoline by temperature modulation in zinc oxide nanosheets sensors. *Solid State Ionics*, **2011**, 192, 688-692 3.3 42
- 333 Effect of mechanical activation on the structure and ferroelectric property of $\text{Na}_{0.5}\text{K}_{0.5}\text{NbO}_3$. *Materials Research Bulletin*, **2011**, 46, 1467-1472 5.1 41
- 332 Enhanced temperature stable dielectric properties and energy-storage density of BaSnO_3 -modified $(\text{Bi}_{0.5}\text{Na}_{0.5})_{0.94}\text{Ba}_{0.06}\text{TiO}_3$ lead-free ceramics. *Ceramics International*, **2019**, 45, 19822-19828 5.1 40
- 331 New layer-structured ferroelectric polycrystalline materials, $\text{Na}_{0.5}\text{Nd}_x\text{Bi}_{4.5-x}\text{Ti}_4\text{O}_{15}$: crystal structures, electrical properties and conduction behaviors. *Journal of Materials Chemistry C*, **2015**, 3, 8852-8864 7.1 40
- 330 Ultrahigh sensitivity and selectivity chlorine gas sensing of In_2O_3 hollow microtubules by bio-template method with degreasing cotton. *Sensors and Actuators B: Chemical*, **2018**, 262, 17-25 8.5 40
- 329 A facile way to synthesize cost-effective ZnO nanorods with enhanced photocatalytic activity. *Materials Letters*, **2014**, 120, 147-150 3.3 40
- 328 Fast economical synthesis of Fe-doped ZnO hierarchical nanostructures and their high gas-sensing performance. *CrystEngComm*, **2013**, 15, 7339 3.3 40
- 327 Studies of structural and electrical properties on four-layers Aurivillius phase $\text{BaBi}_4\text{Ti}_4\text{O}_{15}$. *Solid State Communications*, **2012**, 152, 979-983 1.6 39
- 326 Polaron relaxation associated with the localized oxygen vacancies in $\text{Ba}_{0.85}\text{Sr}_{0.15}\text{TiO}_3$ ceramics at high temperatures. *Journal of Applied Physics*, **2009**, 106, 054102 2.5 39
- 325 Energy storage properties of $\text{BiTi}_{0.5}\text{Zn}_{0.5}\text{O}_3$ - $\text{Bi}_{0.5}\text{Na}_{0.5}\text{TiO}_3$ - BaTiO_3 relaxor ferroelectrics. *Ceramics International*, **2016**, 42, 17876-17879 5.1 39
- 324 Enhanced energy-storage performance and temperature-stable dielectric properties of $(1-x)[(\text{Na}_{0.5}\text{Bi}_{0.5})_{0.95}\text{Ba}_{0.05}]_{0.98}\text{La}_{0.02}\text{TiO}_3$ - $x\text{K}_{0.5}\text{Na}_{0.5}\text{NbO}_3$ lead-free ceramics. *Ceramics International*, **2019**, 45, 20427-20434 5.1 38
- 323 Dc-bias-field-induced dielectric relaxation and ac conduction in $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$ ceramics. *Philosophical Magazine*, **2008**, 88, 537-545 1.6 38
- 322 High sensitivity and ultra-low detection limit of chlorine gas sensor based on In_2O_3 nanosheets by a simple template method. *Sensors and Actuators B: Chemical*, **2020**, 305, 127456 8.5 38
- 321 The evaluation of super-capacitive performance of novel g- C_3N_4 /PPy nanocomposite electrode material with sandwich-like structure. *Composites Part B: Engineering*, **2019**, 162, 369-377 10 38
- 320 In situ synthesis of 3D $\text{Co}@\text{Co}_3\text{O}_4$ nanosheet arrays for hybrid supercapacitors with ultra-high rate performance. *Journal of Alloys and Compounds*, **2020**, 826, 154115 5.7 37

319	Solution-based synthesis of ZnO/carbon nanostructures by chemical coupling for high performance gas sensors. <i>Sensors and Actuators B: Chemical</i> , 2014 , 195, 132-139	8.5	37
318	Structure and electrical properties of bismuth and sodium modified SrBi ₂ Nb ₂ O ₉ ferroelectric ceramics. <i>Journal of Alloys and Compounds</i> , 2013 , 550, 335-338	5.7	37
317	Relaxation characteristics of strontium barium niobate ferroelectric ceramics. <i>Journal of Materials Science</i> , 1998 , 33, 895-900	4.3	37
316	Vibration catalysis of eco-friendly Na _{0.5} K _{0.5} NbO ₃ -based piezoelectric: An efficient phase boundary catalyst. <i>Applied Catalysis B: Environmental</i> , 2020 , 279, 119353	21.8	37
315	Monodisperse nanostructured Fe ₃ O ₄ /ZnO microrods using for waste water treatment. <i>Advanced Powder Technology</i> , 2014 , 25, 1715-1720	4.6	36
314	Synthesis and characterization of poly(vinyl pyrrolidone)-capped bismuth nanospheres. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2009 , 340, 66-69	5.1	36
313	Preparation and Improvement in the Electrical Properties of Lead-zinc-niobateBased Ceramics by Thermal Treatments. <i>Journal of Materials Research</i> , 2002 , 17, 180-185	2.5	36
312	Large strain response with low driving field in Bi _{1/2} Na _{1/2} TiO ₃ Bi _{1/2} K _{1/2} TiO ₃ Bi(Mg _{2/3} Nb _{1/3})O ₃ ceramics. <i>Journal of the American Ceramic Society</i> , 2018 , 101, 3947-3955	3.8	35
311	Dielectric, conductivity and piezoelectric properties in (0.67-x)BiFeO ₃ -0.33BaTiO ₃ -xSrZrO ₃ ceramics. <i>Ceramics International</i> , 2018 , 44, 18821-18827	5.1	35
310	A candidate for lead-free ultrahigh-temperature piezoelectrics: the excellent electro-mechanical properties of Aurivillius oxides, Ca _{1-x} Li _{2x} Nd _{2x-1} Bi ₂ Nb _{2-2x} Sc _x W _x O ₉ 1.5x. <i>CrystEngComm</i> , 2013 , 15, 10212	3.3	35
309	Template-free hydrothermal synthesis and high photocatalytic activity of ZnWO ₄ nanorods. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2012 , 177, 1126-1132 ^{3.1}	3.1	35
308	High temperature stable dielectric properties and enhanced energy-storage performance of (1-x)(0.85Na _{0.5} Bi _{0.5} TiO ₃ 0.15Ba _{0.8} Ca _{0.2} Ti _{0.8} Zr _{0.2} O ₃)xK _{0.5} Na _{0.5} NbO ₃ lead-free ceramics. <i>Ceramics International</i> , 2018 , 44, 18054-18059	5.1	35
307	Large strain of temperature insensitive in (1-x)(0.94Bi _{0.5} Na _{0.5} TiO ₃ 0.06BaTiO ₃) xSr _{0.7} La _{0.2} TiO ₃ lead-free ceramics. <i>Ceramics International</i> , 2018 , 44, 11331-11339	5.1	34
306	Ferroelectric, piezoelectric properties and magnetoelectric coupling behavior in aurivillius Bi ₅ Ti ₃ FeO ₁₅ multiferroic nanofibers by electrospinning. <i>Journal of Alloys and Compounds</i> , 2016 , 675, 441-447	5.7	33
305	Electrostatic spray deposited polycrystalline zinc oxide films for ultraviolet luminescence device applications. <i>Journal of Alloys and Compounds</i> , 2009 , 481, 735-739	5.7	33
304	Differences in nature of electrical conduction among BiTiO ₃ -based ferroelectric polycrystalline ceramics. <i>Scientific Reports</i> , 2017 , 7, 4193	4.9	32
303	The effect of annealing treatment on microstructure and properties of TiN films prepared by unbalanced magnetron sputtering. <i>Journal of Alloys and Compounds</i> , 2010 , 496, 695-698	5.7	32
302	High energy storage performance of [(Bi _{0.5} Na _{0.5}) _{0.94} Ba _{0.06}] _{0.97} La _{0.03} Ti ₁ -(Al _{0.5} Nb _{0.5}) O ₃ ceramics with enhanced dielectric breakdown strength. <i>Ceramics International</i> , 2018 , 44, 15160-15166	5.1	32

- 301 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
- 300 Enhanced ionic conductivity of Ag addition in acceptor-doped Bi0.5Na0.5TiO3 ferroelectrics. *RSC Advances*, **2016**, 6, 30623-30627 3.7 31
- 299 Solid-state synthesis of Bi2O3/BaTiO3 heterostructure: preparation and photocatalytic degradation of methyl orange. *Applied Physics A: Materials Science and Processing*, **2013**, 111, 1139-1145 2.6 31
- 298 Structure, Microwave Dielectric Properties, and Novel Low-Temperature Sintering of xSrTiO3(1-x)LaAlO3 Ceramics with LTCC Application. *Journal of the American Ceramic Society*, **2017**, 100, 235-246 3.8 31
- 297 UV light-assisted synthesis of coral SnO2: Characterization and its enhanced photocatalytic properties. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2012**, 402, 53-59 5.1 31
- 296 Dielectric, ferroelectric properties, and grain growth of CaxBa1-xNb2O6 ceramics with tungsten-bronzes structure. *Journal of Applied Physics*, **2008**, 104, 024101 2.5 31
- 295 Lead-free Bi5-xLaxTi3FeO15 (x = 0, 1) nanofibers toward wool keratin-based biocompatible piezoelectric nanogenerators. *Journal of Materials Chemistry C*, **2016**, 4, 7324-7331 7.1 31
- 294 Microwave absorption properties of double-layer absorber based on carbonyl iron/barium hexaferrite composites. *Applied Physics A: Materials Science and Processing*, **2016**, 122, 1 2.6 31
- 293 Zn-doped In2O3 hollow spheres: mild solution reaction synthesis and enhanced Cl2 sensing performance. *CrystEngComm*, **2014**, 16, 2715-2722 3.3 30
- 292 Ferromagnetic and microwave absorption properties of copper oxide/cobalt/carbon fiber multilayer film composites. *Thin Solid Films*, **2012**, 520, 5053-5059 2.2 30
- 291 Structural dependence of piezoelectric, dielectric and ferroelectric properties of K0.5Na0.5(Nb1-x/5Cux)O3 lead-free ceramics with high Qm. *Materials Research Bulletin*, **2012**, 47, 4472-4477 5.1 30
- 290 High Tunability in (111)-Oriented Relaxor Pb0.8Ba0.2ZrO3 Thin Film with Antiferroelectric and Ferroelectric Two-Phase Coexistence. *Journal of the American Ceramic Society*, **2013**, 96, 1852-1856 3.8 30
- 289 Investigation of MnO2-doped (Ba, Ca)TiO3 lead-free ceramics for high power piezoelectric applications. *Journal of the American Ceramic Society*, **2017**, 100, 3568-3576 3.8 29
- 288 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
- 287 Beyond intercalation-based supercapacitors: The electrochemical oxidation from Mn3O4 to Li4Mn5O12 in Li2SO4 electrolyte. *Nano Energy*, **2020**, 71, 104626 17.1 29
- 286 Rapid microwave-assisted hydrothermal synthesis of Bi12TiO20 hierarchical architecture with enhanced visible-light photocatalytic activities. *Journal of Physics and Chemistry of Solids*, **2013**, 74, 1739-1744 3.9 29
- 285 Origin of the large strain response in tenary SrTi0.8Zr0.2O3 modified Bi0.5Na0.5TiO3/Bi0.5K0.5TiO3 lead-free piezoceramics. *Journal of Materials Science*, **2015**, 50, 403-411 4.3 29
- 284 Mixed oxide ion and proton conduction and p-type semiconduction in BaTi0.98Ca0.02O2.98 ceramics. *Journal of Materials Chemistry C*, **2013**, 1, 2426 7.1 29

283	Effects of silver addition on microstructure and electrical properties of barium titanate ceramics. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 6423-6426	5.7	29
282	Structure and piezoelectric properties of Cu-doped potassium sodium tantalate niobate ceramics. <i>Materials Letters</i> , 2007 , 61, 4185-4187	3.3	29
281	In situ growth of boron doped g-C ₃ N ₄ on carbon fiber cloth as a recycled flexible film-photocatalyst. <i>Ceramics International</i> , 2021 , 47, 1258-1267	5.1	29
280	Room temperature synthesis and enhanced photocatalytic property of CeO ₂ /ZnO heterostructures. <i>Applied Physics A: Materials Science and Processing</i> , 2018 , 124, 1	2.6	28
279	Porous thin sheet-based Fe ₂ O ₃ -doped In ₂ O ₃ structures: hydrothermal synthesis and enhanced Cl ₂ sensing performance. <i>RSC Advances</i> , 2013 , 3, 22239	3.7	28
278	Bulk conduction and nonlinear behaviour in multiferroic YMnO ₃ . <i>Applied Physics Letters</i> , 2013 , 103, 152905	3.4	28
277	Enhanced optical properties of heterostructured ZnO/CeO ₂ nanocomposite fabricated by one-pot hydrothermal method: Fluorescence and ultraviolet absorption and visible light transparency. <i>Optical Materials</i> , 2014 , 38, 145-153	3.3	28
276	Morphology evolutions and optical properties of Cu ₂ O films by an electrochemical deposition on flexible substrate. <i>Applied Surface Science</i> , 2012 , 258, 3232-3236	6.7	28
275	Revisit of the Vogel-Bulcher freezing in lead magnesium niobate relaxors. <i>Applied Physics Letters</i> , 2010 , 97, 132905	3.4	28
274	Synthesis and crystallization behavior of lead titanate from oxide precursors by a hydrothermal route. <i>Journal of Crystal Growth</i> , 2005 , 284, 434-439	1.6	28
273	Microstructure and Electrical Properties of Sol-Gel Derived Pb(Mg _{1/3} Nb _{2/3}) _{0.7} Ti _{0.3} O ₃ Thin Films with Single Perovskite Phase. <i>Japanese Journal of Applied Physics</i> , 2002 , 41, 6768-6772	1.4	28
272	Effect of annealing atmosphere on domain structures and electromechanical properties of Pb(Zn _{1/3} Nb _{2/3})O ₃ -based ceramics. <i>Applied Physics Letters</i> , 2001 , 79, 1658-1660	3.4	28
271	Triboelectric Nanogenerators Based on Fluorinated Wasted Rubber Powder for Self-Powering Application. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 1957-1964	8.3	27
270	Preparation and ethanol sensing properties of the superstructure SnO ₂ /ZnO composite via alcohol-assisted hydrothermal route. <i>Materials Research Bulletin</i> , 2010 , 45, 1496-1500	5.1	27
269	Facile metal-organic frameworks-templated fabrication of hollow indium oxide microstructures for chlorine detection at low temperature. <i>Journal of Hazardous Materials</i> , 2020 , 387, 122017	12.8	27
268	Facile synthesis of carbon self-doped g-C ₃ N ₄ for enhanced photocatalytic hydrogen evolution. <i>Ceramics International</i> , 2020 , 46, 7888-7895	5.1	27
267	A Simple Absorbent Cotton Biotemplate to Fabricate SnO ₂ Porous Microtubules and Their Gas-Sensing Properties for Chlorine. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 147-155	8.3	27
266	Metal-Organic Framework/Layered Carbon Nitride Nano Sandwiches for Superior Asymmetric Supercapacitor. <i>ChemistrySelect</i> , 2016 , 1, 3730-3738	1.8	26

- 265 Carbon coated SnO₂: synthesis, characterization, and photocatalytic performance. *RSC Advances*, **2014**, 4, 10284 3.7 26
- 264 One-step self-assembly economical synthesis of hierarchical ZnO nanocrystals and their gas-sensing properties. *CrystEngComm*, **2013**, 15, 9148 3.3 26
- 263 Influence of Fabrication Parameters on the Phase Formation and Dielectric Properties of CaCu₃Ti₄O₁₂ Ceramics. *Journal of Materials Science and Technology*, **2012**, 28, 920-926 9.1 26
- 262 Pb(Zr_{0.95}Ti_{0.05})O₃ powders synthesized by Pechini method: Effect of molecular weight of polyester on the phase and morphology. *Journal of Sol-Gel Science and Technology*, **2007**, 42, 21-26 2.3 26
- 261 Large strain and relaxation behavior in CeO₂ doped Bi_{0.487}Na_{0.427}K_{0.06}Ba_{0.026}TiO₃ piezoceramics. *Ceramics International*, **2016**, 42, 3938-3946 5.1 25
- 260 Variable-range-hopping conductivity in high-k Ba(Fe_{0.5}Nb_{0.5})O₃ ceramics. *Journal of Applied Physics*, **2013**, 114, 104106 2.5 25
- 259 Lanthanum induced larger polarization and dielectric relaxation in Aurivillius phase SrBi₂La_xNb₂O₉ ferroelectric ceramics. *Journal of Applied Physics*, **2010**, 107, 064104 2.5 25
- 258 The microstructure and dielectric relaxor behavior of BaBi₄La_xTi₄O₁₅ ferroelectric ceramics. *Journal of Alloys and Compounds*, **2010**, 497, 416-419 5.7 25
- 257 Fabrication of pyrochlore-free PMNBT thick films by electrophoretic deposition. *Journal of Alloys and Compounds*, **2009**, 471, L51-L53 5.7 25
- 256 Structure, phase transition and electric properties of poly(vinylidene fluoride-trifluoroethylene) copolymer studied with density functional theory. *Polymer*, **2007**, 48, 3226-3236 3.9 25
- 255 Enhanced energy-storage performance and thermally stable permittivity for K_{0.5}Na_{0.5}NbO₃ modified [(Na_{0.5}Bi_{0.5})_{0.84}Sr_{0.16}]_{0.98}La_{0.01}TiO₃ lead-free perovskite ceramics. *Ceramics International*, **2020**, 46, 9637-9645 5.1 25
- 254 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, 4103-4112⁶ 24
- 253 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
- 252 Oxidized electroplating zinc-covered carbon fibers as microwave absorption materials. *Journal of Alloys and Compounds*, **2012**, 524, 59-62 5.7 24
- 251 The Contribution of the Extrinsic Polarizations to the Dielectric Tunability of Pb(Mg_{1/3}Nb_{2/3})_{1-x}Ti_xO₃ Relaxor Ferroelectrics. *Journal of the American Ceramic Society*, **2012**, 95, 1651-1655^{3,8} 24
- 250 Structure and electric properties of poly(vinylidene fluoride-tetrafluoroethylene) copolymer studied with density functional theory. *Polymer*, **2007**, 48, 7145-7155 3.9 24
- 249 Temperature-insensitive dielectric and piezoelectric properties in (1-x)K_{0.5}Na_{0.5}Nb_{0.997}Cu_{0.0075}O_{3-x}SrZrO₃ ceramics. *Journal of the European Ceramic Society*, **2017**, 37, 2091-2097 6 23
- 248 Room-temperature solid state synthesis of ZnO/Bi₂O₃ heterojunction and their solar light photocatalytic performance. *Materials Research Bulletin*, **2015**, 64, 82-87 5.1 23

247	Dumbbell-like ZnO nanoparticles-CeO ₂ nanorods composite by one-pot hydrothermal route and their electrochemical charge storage. <i>Applied Surface Science</i> , 2016 , 366, 129-138	6.7	23
246	Enhanced electromechanical properties and conduction behaviors of Aurivillius Bi ₄ Ti ₂ . ₉₅ (B _{1/3} Nb _{2/3}) _{0.05} O ₁₂ (B=Mg, Zn, Cu) ceramics. <i>Materials Letters</i> , 2016 , 174, 242-245	3.3	23
245	Ferroelectric hysteresis loop scaling and electric-field-induced strain of Bi _{0.5} Na _{0.5} TiO ₃ -BaTiO ₃ ceramics. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2014 , 211, 2388-2393	1.6	23
244	Dielectric properties and electrical conduction of La ₂ O ₃ -doped (Bi _{0.5} Na _{0.5}) _{0.94} Ba _{0.06} TiO ₃ ceramics. <i>Applied Physics A: Materials Science and Processing</i> , 2014 , 114, 551-558	2.6	23
243	A novel approach to prepare tetragonal BaTiO ₃ nanopowders. <i>Materials Letters</i> , 2011 , 65, 212-214	3.3	23
242	Phase structure, microstructure and piezoelectric properties of perovskite (K _{0.5} Na _{0.5}) _{0.95} Li _{0.05} NbO ₃ Bi _{0.5} (K _{0.15} Na _{0.85}) _{0.5} TiO ₃ lead-free ceramics. <i>Journal of Alloys and Compounds</i> , 2010 , 492, 313-319	5.7	23
241	Relaxation associated with the synergetic oxygen vacancies and electrons in (Ba _{1-x} Bix) _{0.9} Sr _{0.1} TiO ₃ ceramics. <i>Journal of Applied Physics</i> , 2010 , 108, 034103	2.5	23
240	Relaxation behaviour induced by oxygen vacancies of barium strontium titanate at high temperatures. <i>Journal Physics D: Applied Physics</i> , 2009 , 42, 075415	3	23
239	Structural and electric properties of barium strontium titanate based ceramic composite as a humidity sensor. <i>Solid State Ionics</i> , 2008 , 179, 1632-1635	3.3	23
238	Influence of sintering temperatures on the electrical property of bismuth sodium titanate based piezoelectric ceramics. <i>Journal of Electroceramics</i> , 2006 , 16, 293-296	1.5	23
237	Highly sensitive humidity sensor based on lithium stabilized Na- γ -alumina: dc and ac analysis. <i>Sensors and Actuators B: Chemical</i> , 2018 , 255, 1445-1454	8.5	23
236	A Codoped Polymeric Photocatalyst with Prolonged Carrier Lifetime and Extended Spectral Response up to 600 nm for Enhanced Hydrogen Evolution. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 5234-5243	9.5	23
235	Giant field-induced strain in Nb ₂ O ₅ -modified (Bi _{0.5} Na _{0.5}) _{0.94} Ba _{0.06} TiO ₃ lead-free ceramics. <i>Ceramics International</i> , 2017 , 43, 5367-5373	5.1	22
234	Characterization of acceptor-doped (Ba, Ca)TiO ₃ based piezoelectric ceramics for high-power applications. <i>Ceramics International</i> , 2017 , 43, 5579-5584	5.1	22
233	High oxide ion conductivity in layer-structured Bi ₄ Ti ₃ O ₁₂ -based ferroelectric ceramics. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 8825-8835	7.1	22
232	Synthesis and formation mechanisms of high aspect ratio platelike NaNbO ₃ particles by topochemical microcrystal conversion. <i>Journal of Alloys and Compounds</i> , 2009 , 476, 847-853	5.7	22
231	[Bi _{0.5} (Na _{0.4} -Li K _{0.1})] _{0.96} Sr _{0.04} Ti _{0.975} Ta _{0.025} O ₃ lead-free RELAXOR ceramics with the enhanced recoverable energy density. <i>Ceramics International</i> , 2020 , 46, 715-721	5.1	22
230	ZnO/Bi ₂ O ₃ nano-heterostructures with high-energy facets for high selective and sensitive chlorine gas sensor. <i>Ceramics International</i> , 2020 , 46, 27499-27507	5.1	22

- 229 Tailored dielectric tunability of alkali niobate-based antiferroelectric/relaxor-ferroelectric composites. *Journal of the European Ceramic Society*, **2018**, 38, 2871-2878 6 21
- 228 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
- 227 A ferroelectric polarization contribution from defect dipoles in acceptor Aurivillius oxide, (Na,Bi)_{0.47}(Li,Ce)_{0.03}Bi₂Ta_{1.97}Sc_{0.03}O_{8.97}. *Applied Physics Letters*, **2013**, 103, 192908 3.4 21
- 226 Synthesis and electrochemical properties of sol-gel derived LiMn₂O₄ cathode for lithium-ion batteries. *Rare Metals*, **2006**, 25, 100-104 5.5 21
- 225 Bi_{0.48}(Na_{0.84}K_{0.16})_{0.48}Sr_{0.04}(Ti₁-Ta)_{0.96}O₃ lead-free ceramics with enhanced electric field-induced strain. *Journal of Alloys and Compounds*, **2019**, 803, 1082-1089 5.7 20
- 224 High dielectric tunability, electrostriction strain and electrocaloric strength at a tricritical point of tetragonal, rhombohedral and pseudocubic phases. *Journal of Alloys and Compounds*, **2015**, 646, 597-602 5.7 20
- 223 Large electrocaloric strength in the (100)-oriented relaxor ferroelectric Pb[(Ni_{1/3}Nb_{2/3})_{0.6}Ti_{0.4}]O₃ single crystal at near morphotropic phase boundary. *Ceramics International*, **2015**, 41, 9344-9349 5.1 20
- 222 Synthesis, characterization and optical properties of nanostructured ZnWO₄. *Materials Science in Semiconductor Processing*, **2016**, 41, 404-410 4.3 20
- 221 Mesoporous In₂O₃ structures: Hydrothermal synthesis and enhanced Cl₂ sensing performance. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2014**, 453, 109-116 5.1 20
- 220 The role of piezoelectric rods in 1B composite for the hydrostatic response applications. *Sensors and Actuators A: Physical*, **2006**, 128, 132-139 3.9 20
- 219 Growth and characterization of PMNT relaxor-based ferroelectric single crystals by flux method. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2003**, 99, 183-186 3.1 20
- 218 Effect of isovalent lanthanide cations compensation for volatilized A-site bismuth in Aurivillius ferroelectric bismuth titanate. *Journal of Materials Science: Materials in Electronics*, **2017**, 28, 4637-4646 2.1 19
- 217 Investigating the large potential window of NiCo₂O₄ supercapacitors in neutral aqueous electrolyte. *Electrochimica Acta*, **2019**, 321, 134681 6.7 19
- 216 Synthesis of flower-like ZnO nanostructures by sonochemical route and their photocatalytic activity. *Optik*, **2015**, 126, 4397-4400 2.5 19
- 215 Crystal structure and thermal annealing behaviors of high d 33 Aurivillius-phase ceramics Li_{0.04}Ce_{0.04}Na_{0.46}($\frac{x}{2}$)Bi_{4.46+x/2}Ti₄Sc_xO₁₅ with the Sc³⁺/Bi³⁺ co-substitution. *Journal of Materials Science: Materials in Electronics*, **2014**, 25, 2961-2968 2.1 19
- 214 Enhancement of optical transparency in Bi₂O₃-modified (K_{0.5}Na_{0.5})_{0.9}Sr_{0.1}Nb_{0.9}Ti_{0.1}O₃ ceramics for electro-optic applications. *Journal of Materials Science*, **2015**, 50, 7958-7966 4.3 18
- 213 Synthesis of hierarchical flower-like SnO₂ nanostructures and their photocatalytic properties. *Optik*, **2016**, 127, 580-584 2.5 18
- 212 Enhanced Bipolar Strain Response in Lithium/Niobium Co-Doped Sodium Barium Bismuth Titanate Lead-Free Ceramics. *Advanced Engineering Materials*, **2017**, 19, 1700125 3.5 18

211	Effects of CaO/B ₂ O ₃ glass addition on the low-temperature sintering and cation ordering in Sr La _{1-x} Ti _x Al _{1-x} O ₃ ceramics. <i>Journal of Alloys and Compounds</i> , 2015 , 632, 78-86	5.7	18
210	Preparation and Characterization of Sol-Gel-Derived Lead Magnesium Niobium Titanate Thin Films with Pure Perovskite Phase and Lead Oxide Cover Coat. <i>Journal of the American Ceramic Society</i> , 2002 , 85, 2001-2004	3.8	18
209	[(Bi _{0.50} Na _{0.40} K _{0.10}) _{0.94} Ba _{0.06}] _{1-x} LaxTi _{0.975} Ta _{0.025} O ₃ lead-free relaxor ceramics with high energy storage density and thermally stable dielectric properties. <i>Journal of Materials Science</i> , 2020 , 55, 14728-14739	4.3	18
208	Hydrogel-supported graphitic carbon nitride nanosheets loaded with Pt atoms as a novel self-water-storage photocatalyst for H ₂ evolution. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 23812-23819	4.3	18
207	Microstructure, phase evolution and interfacial effects in a new Zn _{0.9} Mg _{0.1} TiO ₃ -ZnNb ₂ O ₆ ceramic system with greatly induced improvement in microwave dielectric properties. <i>Scripta Materialia</i> , 2018 , 146, 154-159	5.6	18
206	Porous In ₂ O ₃ microstructures: Hydrothermal synthesis and enhanced Cl ₂ sensing performance. <i>Materials Science in Semiconductor Processing</i> , 2015 , 29, 83-89	4.3	17
205	Preaddition of Cations to Electrolytes for Aqueous 2.2 V High Voltage Hybrid Supercapacitor with Superlong Cycling Life and Its Energy Storage Mechanism. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 17659-17668	9.5	17
204	High sensitivity and selectivity chlorine gas sensors based on 3D open porous SnO ₂ synthesized by solid-state method. <i>Ceramics International</i> , 2019 , 45, 20566-20574	5.1	17
203	Phase transition, high figure of merit and polar nano-regions in dielectric tunable lanthanum substituted barium titanate. <i>Journal of Alloys and Compounds</i> , 2014 , 617, 337-344	5.7	17
202	Microstructure, dielectric and pyroelectric properties of CaCu ₃ Ti ₄ O ₁₂ ceramics fabricated by tape-casting method. <i>Materials Research Bulletin</i> , 2013 , 48, 3278-3283	5.1	17
201	Structure and electric properties of sol-gel derived CaCu ₃ Ti ₄ O ₁₂ ceramics as a pyroelectric sensor. <i>Solid State Ionics</i> , 2011 , 192, 682-687	3.3	17
200	Relaxor behavior and dielectric properties of lead magnesium niobate/lead titanate thick films prepared by electrophoresis deposition. <i>Journal of Alloys and Compounds</i> , 2009 , 478, 853-857	5.7	17
199	Structure-property relationships in lead zinc niobate based ferroelectric ceramics. <i>Journal of Applied Physics</i> , 1998 , 83, 1625-1630	2.5	17
198	Synthesis of In ₂ O ₃ hollow microspheres for chlorine gas sensing using yeast as bio-template. <i>Ceramics International</i> , 2019 , 45, 9225-9230	5.1	17
197	High oxide ion conducting solid electrolytes of bismuth and niobium co-substituted La ₂ Mo ₂ O ₉ . <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 17819-17827	6.7	16
196	Fabrication and texture evolution of hexagonal YMnO ₃ nanofibers by electrospinning. <i>Materials Letters</i> , 2010 , 64, 419-421	3.3	16
195	Room temperature solid-state synthesis and ethanol sensing properties of sea-urchin-like ZnO nanostructures. <i>Materials Letters</i> , 2010 , 64, 1574-1576	3.3	16
194	Wearable Bracelet Monitoring the Solar Ultraviolet Radiation for Skin Health Based on Hybrid IPN Hydrogels. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 56480-56490	9.5	16

- 193 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
- 192 Influence of compositional ratio K/Na on structure and piezoelectric properties in $[(\text{Na}_{1-x}\text{K}_x)\text{Ti}_{0.985}\text{Ta}_{0.015}\text{O}_3]$ ceramics. *Journal of Materials Science*, **2019**, 54, 4523-4531 4.3 16
- 191 Graphitic carbon nitride nanosheets prepared by gaseous molecules assembling for enhanced photocatalytic performance. *Journal of Materials Science*, **2019**, 54, 1462-1474 4.3 16
- 190 Hole conduction and nonlinear current-voltage behavior in multiferroic lanthanum-substituted bismuth ferrite. *Journal of Alloys and Compounds*, **2014**, 615, 916-920 5.7 15
- 189 Optimizing design of the microstructure of sol-gel derived BaTiO₃ ceramics by artificial neural networks. *Journal of Electroceramics*, **2009**, 22, 291-296 1.5 15
- 188 Growth and properties of hydrogen-free DLC films deposited by surface-wave-sustained plasma. *Diamond and Related Materials*, **2007**, 16, 161-166 3.5 15
- 187 Non-Debye relaxation and the glassy behavior of disordered perovskite ferroelectrics. *Solid State Communications*, **1999**, 111, 541-546 1.6 15
- 186 High energy storage density and stable fatigue resistance of $\text{Na}_{0.46}\text{Bi}_{0.46}\text{Ba}_{0.05}\text{La}_{0.02}\text{Zr}_{0.03}\text{Ti}_{0.97-x}\text{Sn}_x\text{O}_3$ ceramics. *Ceramics International*, **2020**, 46, 5681-5688 5.1 15
- 185 Enhanced energy-storage performance and temperature-stable dielectric properties of $(1-x)(0.94\text{Na}_{0.5}\text{Bi}_{0.5}\text{TiO}_3-0.06\text{BaTiO}_3)-x\text{Na}_{0.73}\text{Bi}_{0.09}\text{NbO}_3$ ceramics. *Journal of Materials Science: Materials in Electronics*, **2019**, 30, 2479-2488 2.1 15
- 184 Dielectric relaxation at high temperatures induced by oxygen vacancies at grain boundary in Na-doped barium strontium titanium ceramics. *Solid State Ionics*, **2015**, 269, 14-18 3.3 14
- 183 Ultrahigh-temperature piezoelectric polycrystalline ceramics: dramatically enhanced ferroelectricity, piezoelectricity and electrical resistivity in $\text{Ca}_{1-x}\text{Bi}_2+3x\text{Nb}_2\text{Mn}_x\text{O}_9$. *Materials Research Letters*, **2020**, 8, 165-172 7.4 14
- 182 Synthesis and characterization of ZnO microstructures via microwave-assisted hydrothermal synthesis process. *Optik*, **2014**, 125, 1461-1464 2.5 14
- 181 Effects of exposed facets on photocatalytic properties of WO₃. *Advanced Powder Technology*, **2017**, 28, 2549-2555 4.6 14
- 180 Large nonlinear dielectric behavior in BaTiSnxO. *Scientific Reports*, **2017**, 7, 6693 4.9 14
- 179 Laterally patterned magnetic nanoparticles. *Journal of Materials Chemistry*, **2012**, 22, 1962-1968 14
- 178 Large-area uniform hydrogen-free diamond-like carbon films prepared by unbalanced magnetron sputtering for infrared anti-reflection coatings. *Diamond and Related Materials*, **2008**, 17, 194-198 3.5 14
- 177 The large electro-strain in BNKT-BST-100xTa lead-free ceramics. *Ceramics International*, **2020**, 46, 1876-1882 3.82 14
- 176 Significantly enhanced electrical properties in CaBi₂Nb₂O₉-based high-temperature piezoelectric ceramics. *Applied Physics Letters*, **2020**, 117, 032902 3.4 14

- 175 Effects of doping sites on electrical properties of yttrium doped BaTiO₃. *Materials Letters*, **2016**, 174, 197-200 3.3 14
- 174 Enhanced temperature-stability in tunable dielectric properties of (1-x)(K_{0.49}Na_{0.49}Li_{0.02})(Nb_{0.8}Ta_{0.2})O_{3-x}CaZrO₃ ceramics. *Ceramics International*, **2018**, 44, 8133-8137 5.1 13
- 173 Growth of nickel nanoparticles on an organic self-assembled monolayer template by means of electroless plating. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2013**, 434, 194-199 5.1 13
- 172 Electrical charge conductivity behavior of electrodeposited Cu₂O/ZnO heterojunction thin films on PET flexible substrates by impedance spectroscopy analysis. *Journal of Materials Science*, **2013**, 48, 3334-3340 4.3 13
- 171 Dielectric nonlinearity and electrical properties of K_{0.5}Na_{0.5}NbO₃/BaTiO₃ relaxor ferroelectrics. *Journal of Materials Science*, **2014**, 49, 8107-8115 4.3 13
- 170 Electrical properties and high figure-of-merit of dielectric tunable (1-x)Ba(Zr_{0.25}Ti_{0.75})O_{3-x}MgO thick films prepared by tape-casting. *Journal of Alloys and Compounds*, **2014**, 590, 215-220 5.7 13
- 169 Pb(Zr_{0.95}Ti_{0.05})O₃ powders and porous ceramics prepared by one-step pyrolysis process using non-aqueous Pechini method. *Ceramics International*, **2009**, 35, 733-740 5.1 13
- 168 Perovskite structure development and electrical properties of PZN based thin films. *Journal of the European Ceramic Society*, **2002**, 22, 1699-1704 6 13
- 167 Strain properties of (1-x)Bi_{0.5}Na_{0.4}K_{0.1}TiO_{3-x}Bi(Mg_{2/3}Ta_{1/3})O₃ electroceramics. *Ceramics International*, **2020**, 46, 21211-21215 5.1 13
- 166 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
- 165 Large strain response in (1-x)(0.94Bi_{0.5}Na_{0.5}TiO₃-0.06BaTiO₃)-xSr_{0.8}Bi_{0.1}?0.1Ti_{0.8}Zr_{0.2}O_{2.95} lead-free piezoelectric ceramics. *Ceramics International*, **2019**, 45, 1676-1682 5.1 13
- 164 Structure, relaxation behaviors and nonlinear dielectric properties of BaTiO₃Bi(Ti_{0.5}Mg_{0.5})O₃ ceramics. *Ceramics International*, **2015**, 41, 7693-7697 5.1 12
- 163 Theoretical studies on electronic structure and optical properties of Bi₂WO₆. *Optik*, **2018**, 158, 962-969 2.5 12
- 162 High dielectric non-linear properties of the Pb[(Mg_{1/3}Nb_{2/3})_{0.8}(Sc_{1/2}Nb_{1/2})_{0.2}]O₃ ceramics. *Materials Research Bulletin*, **2012**, 47, 2051-2055 5.1 12
- 161 Dielectric tunability properties of the Pb[(Mg_{1/3}Nb_{2/3})_{1-x}Zrx]O₃ ceramics. *Journal of Alloys and Compounds*, **2013**, 549, 283-287 5.7 12
- 160 Effects of hyperthermia induced crystalline aggregation on properties of TiO₂ thin films. *Surface Engineering*, **2014**, 30, 600-605 2.6 12
- 159 Hole conduction and electro-mechanical properties of Na_{0.5}Bi_{2.5}Ta₂O₉-based piezoelectric ceramics with the Li⁺/Ce³⁺/Sc³⁺ modification. *Journal of Applied Physics*, **2014**, 116, 074111 2.5 12
- 158 Hierarchically Structure SnO₂/ZnO Nanocomposites: Preparation, Growth Mechanism and Gas Sensing Property. *Journal of Dispersion Science and Technology*, **2010**, 31, 1405-1408 1.5 12

- 157 Oxygen vacancy-induced aging of Mn-doped Ba_{0.8}Sr_{0.2}TiO₃ ceramics in paraelectric and ferroelectric state. *Solid State Ionics*, **2009**, 180, 1139-1142 3.3 12
- 156 Synthesis and gas sensing properties of perovskite CdSnO₃ nanoparticles. *Applied Physics A: Materials Science and Processing*, **2009**, 94, 837-841 2.6 12
- 155 Properties of He@C₆₀ studied via structure distortions. *Chemical Physics*, **2007**, 331, 309-320 2.3 12
- 154 Microstructure and electrical properties of the rare-earth doped 0.94Na_{0.5}Bi_{0.5}TiO₃-0.06BaTiO₃ piezoelectric ceramics. *Journal of Electroceramics*, **2008**, 21, 300-304 1.5 12
- 153 Possible reasons that piezoelectricity has not been found in bulk polymer of polyvinylidene cyanide. *Polymer*, **2008**, 49, 2542-2547 3.9 12
- 152 An Azido Ester Plasticizer, 1,3-Di(Azidoacetoxyl)-2,2-Di(Azidomethyl)Propane (PEAA): Synthesis, Characterization and Thermal Properties. *Propellants, Explosives, Pyrotechnics*, **2006**, 31, 205-208 1.7 12
- 151 Facile preparation of Ni-doped MnCO₃ materials with controlled morphology for high-performance supercapacitor electrodes. *Ceramics International*, **2019**, 45, 5266-5275 5.1 12
- 150 Large electrostrictive effect and energy storage density in MnCO₃ modified Na_{0.325}Bi_{0.395}Sr_{0.245}Pb_{0.035}TiO₃ lead-free ceramics. *Ceramics International*, **2020**, 46, 3374-3381 5.1 12
- 149 Large electrostrain in Bi_{1/2}Na_{1/2}TiO₃-based relaxor ferroelectrics: A case study of Bi_{1/2}Na_{1/2}TiO₃-Bi_{1/2}K_{1/2}TiO₃-Bi(Ni_{2/3}Nb_{1/3})O₃ ceramics. *Journal of Materiomics*, **2021**, 7, 593-602 6.7 12
- 148 Defect-dipole alignment and strain memory effect in poled Li doped (Bi_{0.5}Na_{0.4}K_{0.1})_{0.98}Ce_{0.02}TiO₃ ceramics. *Journal of Materials Science: Materials in Electronics*, **2015**, 26, 9409-9413 2.1 11
- 147 Enhanced temperature stable dielectric property and energy-storage performance of (1-x)(0.66Bi_{0.5}Na_{0.5}TiO₃)_{0.34}Sr_{0.7}Bi_{0.2}TiO₃)_{0.66}K_{0.5}Nd_{0.5}TiO₃ lead-free relaxor electroceramics. *Ceramics International*, **2020**, 46, 23194-23199 5.1 11
- 146 Homogeneous SnO₂ core-shell microspheres: Microwave-assisted hydrothermal synthesis, morphology control and photocatalytic properties. *Materials Research Bulletin*, **2014**, 50, 191-196 5.1 11
- 145 Synthesis and optical properties of Co-doped ZnO nanofibers prepared by electrospinning. *Optik*, **2014**, 125, 2361-2364 2.5 11
- 144 Facile hydrothermal synthesis of large scale ZnO nanorod arrays and their growth mechanism. *Materials Letters*, **2013**, 107, 269-272 3.3 11
- 143 Modified tunable dielectric properties by addition of MgO on BaZr_{0.25}Ti_{0.75}O₃ ceramics. *Materials Research Bulletin*, **2011**, 46, 2308-2311 5.1 11
- 142 Hydrothermal Synthesis and Primary Gas Sensing Properties of CuO Nanosheets. *Journal of Dispersion Science and Technology*, **2010**, 31, 866-869 1.5 11
- 141 Anomalous phase formation during annealing of La₂O₃ thin films deposited by ion beam assisted electron beam evaporation. *Thin Solid Films*, **2009**, 517, 1677-1680 2.2 11
- 140 Mechanical and electronic properties of endofullerene Ne@C₆₀ studied via structure distortions. *Molecular Physics*, **2008**, 106, 703-716 1.7 11

139	Prediction of the effects of particle and matrix morphologies on Al ₂ O ₃ particle/polymer composites by finite element method. <i>Computational Materials Science</i> , 2007 , 40, 395-399	3.2	11
138	Phase transitions due to polar region structure in disordered ferroelectrics. <i>Journal of Materials Science</i> , 1999 , 34, 6143-6149	4.3	11
137	Dielectric behavior associated with the synergetic microstructure and oxygen vacancies in CaCu ₃ Ti ₄ O ₁₂ ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2016 , 27, 7327-7334	2.1	11
136	Ag modified bismuth ferrite nanospheres as a chlorine gas sensor.. <i>RSC Advances</i> , 2018 , 8, 33156-33163	3.7	11
135	Synthesis and Optical Properties of SnO ₂ Structures with Different Morphologies via Hydrothermal Method. <i>Journal of Materials Engineering and Performance</i> , 2015 , 24, 3426-3432	1.6	10
134	Impedance spectroscopy studies of bulk electrical conduction in A-site acceptor (K)-doped BaTiO ₃ . <i>Journal of Materials Science</i> , 2013 , 48, 7028-7035	4.3	10
133	MgTiO ₃ doping effect on dielectric properties of Ba _{0.6} Sr _{0.4} TiO ₃ ceramics via a molten salt process. <i>Composites Part A: Applied Science and Manufacturing</i> , 2008 , 39, 597-601	8.4	10
132	Large electric field-induced strain in the novel BNKTAN-BNBLTZ lead-free ceramics. <i>Journal of Materials Science and Technology</i> , 2020 , 45, 15-22	9.1	10
131	Tailoring chemical structures and intermolecular interactions of melem intermediates for highly efficient photocatalytic hydrogen evolution of g-C ₃ N ₄ . <i>Applied Surface Science</i> , 2021 , 563, 150384	6.7	10
130	Dielectric properties of compositionally graded Ba _{1-x} La _x Ti _{1-x} /4O ₃ thick films. <i>Ceramics International</i> , 2017 , 43, 5347-5350	5.1	9
129	Template-free sonochemical synthesis of flower-like ZnO nanostructures. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2014 , 378, 3315-3318	2.3	9
128	Synthesis of Hierarchical Porous Zn-Doped SnO ₂ Spheres and Their Photocatalytic Properties. <i>Journal of Materials Engineering and Performance</i> , 2015 , 24, 4260-4266	1.6	9
127	Dielectric properties investigation of Cu ₂ O/ZnO heterojunction thin films by electrodeposition. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2013 , 178, 496-501	3.1	9
126	Relaxor behavior and electrical properties of high dielectric constant materials. <i>Science in China Series D: Earth Sciences</i> , 2009 , 52, 2180-2185		9
125	Pb(Zr _{0.95} Ti _{0.05})O ₃ powders prepared by aqueous Pechini method using one-step pyrolysis process: characterization and porous ceramics. <i>Journal of Materials Science</i> , 2008 , 43, 3094-3100	4.3	9
124	Ordered and Ultralong Graphitic Carbon Nitride Nanotubes Obtained via In-Air CVD for Enhanced Photocatalytic Hydrogen Evolution. <i>ACS Applied Energy Materials</i> ,	6.1	9
123	Fatigue properties and impedance analysis of potassium sodium niobate-strontium titanate transparent ceramics. <i>Applied Physics A: Materials Science and Processing</i> , 2016 , 122, 1	2.6	9
122	Large strain with enhanced energy-storage and temperature stable dielectric properties in Bi _{0.38} Na _{0.38} Sr _{0.24} Ti _(1-x) (Mn _{1/3} Nb _{2/3}) O ₃ ceramics. <i>Ceramics International</i> , 2021 , 47, 1325-1332	5.1	9

121	Templated manganese oxide by pyrolysis route as a promising candidate cathode for asymmetric supercapacitors. <i>Journal of Electroanalytical Chemistry</i> , 2019 , 843, 54-60	4.1	8
120	Graphitic carbon nitride with thermally-induced nitrogen defects: an efficient process to enhance photocatalytic H ₂ production performance.. <i>RSC Advances</i> , 2020 , 10, 18632-18638	3.7	8
119	High strain and high energy density of lead-free (Bi _{0.50} Na _{0.40} K _{0.10}) _{0.94} Ba _{0.06} Ti _{1-x} (Al _{0.50} Ta _{0.50}) _x O ₃ perovskite ceramics. <i>Journal of Materials Science</i> , 2020 , 55, 11137-11150	4.3	8
118	Coaxial rotatory-freestanding triboelectric nanogenerator for effective energy scavenging from wind. <i>Smart Materials and Structures</i> , 2018 , 27, 065016	3.4	8
117	Unusual devisable high-performance perovskite materials obtained by engineering in twins, domains, and antiphase boundaries. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 568-576	6.8	8
116	Synthesis of Hierarchical SnO ₂ Microflowers Assembled by Nanosheets and Their Enhanced Photocatalytic Properties. <i>Materials Transactions</i> , 2015 , 56, 1911-1914	1.3	8
115	Dielectric characteristic of nanocrystalline Na _{0.5} K _{0.5} NbO ₃ ceramic green body. <i>Journal of Electroceramics</i> , 2012 , 28, 144-148	1.5	8
114	Template-free hydrothermal synthesis of molybdenum trioxide nanobelts and their photocatalytic activity for degradation of methylene blue. <i>Micro and Nano Letters</i> , 2013 , 8, 500-503	0.9	8
113	Crystal Structure and Enhanced Piezoelectric Properties of Scandium and Bismuth-Excess Modified Aurivillius Oxides, Na _{0.5} Bi _{2.5-x} Nb _{2-x} Sc _x O ₉ . <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 5622-5630	2.3	8
112	Structures and Piezoelectric Properties of Substituted PVDF-Based Polymers Studied by Density Functional Theory. <i>Ferroelectrics</i> , 2010 , 409, 41-44	0.6	8
111	Microstructure evolutions and electrical properties of Pb _{1-x} La _x (Zr _{0.56} Ti _{0.44}) _{1-x/4} O ₃ ceramics. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2007 , 138, 205-209	3.1	8
110	Porous Pb(Zr _{0.95} Ti _{0.05})O ₃ Ceramics from Chemically Prepared Powders Without Pore Formers. <i>Journal of the American Ceramic Society</i> , 2007 , 90, 3293-3295	3.8	8
109	Mechanical and electronic properties of C60 under structure distortion studied with density functional theory. <i>Computational Materials Science</i> , 2007 , 40, 537-547	3.2	8
108	Domain Morphology and Field-Induced Phase Transition in 'Two Phase Zone' of PZN-Based Ferroelectrics. <i>Ferroelectrics</i> , 2002 , 269, 33-38	0.6	8
107	The effect of defect field on dielectric ageing of lead magnesium niobate-lead titanate relaxor ferroelectrics. <i>Journal of Physics Condensed Matter</i> , 2000 , 12, 4381-4390	1.8	8
106	Performance of Nano-3YSZ toughened Al ₂ O ₃ solid electrolyte prepared by EDTA-Zr(IV)/Y(III) complex as surface modifier. <i>Journal of Alloys and Compounds</i> , 2020 , 817, 152717	5.7	8
105	Ferroelectric, electromechanical, and dielectric properties of (Na _{0.5} Bi _{0.5}) _{0.94} Ba _{0.06} TiO ₃ co-doped MnO ₂ and La ₂ O ₃ lead-free ceramics. <i>Journal of Materials Science</i> , 2014 , 49, 211-217	4.3	7
104	Anomaly diffuse and dielectric relaxation in strontium doped lanthanum molybdate. <i>Materials Research Bulletin</i> , 2011 , 46, 2502-2505	5.1	7

103	Electromechanical Properties and Microstructure Evolution of BNT-BT Piezoelectric Ceramics. <i>Ferroelectrics</i> , 2010 , 404, 93-98	0.6	7
102	Bi _{3.25} La _{0.75} Ti ₃ O ₁₂ powders by the complex polymerization method: synthesis, characterization and morphology. <i>Journal of Sol-Gel Science and Technology</i> , 2009 , 50, 290-295	2.3	7
101	The dielectric properties and the relaxation phase transition of copper substituted SrBi ₂ Nb ₂ O ₉ ferroelectric ceramics. <i>Solid State Communications</i> , 2009 , 149, 2074-2077	1.6	7
100	Dielectric behavior of poled complex perovskite relaxor ferroelectrics. <i>Science Bulletin</i> , 1997 , 42, 169-172		7
99	EFFECTS OF THERMAL EXPANSION COEFFICIENT MISMATCH ON STRUCTURE AND ELECTRICAL PROPERTIES OF TiO ₂ FILM DEPOSITED ON Si SUBSTRATE. <i>Surface Review and Letters</i> , 2008 , 15, 487-491 ^{1.1}		7
98	A STUDY ON THERMO-OPTIC EFFECT OF POLY(VINYLIDENE FLUORIDE) THIN FILMS PREPARED BY SOLUTION CASTING METHOD. <i>Surface Review and Letters</i> , 2008 , 15, 175-181	1.1	7
97	Dielectric and ageing behaviour of strontium barium niobate with barium strontium titanate additives. <i>Journal Physics D: Applied Physics</i> , 2007 , 40, 6797-6802	3	7
96	Hydrogen bond effect of azido polyurethane elastomer by dynamic mechanical analysis. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2006 , 44, 2841-2851	2.6	7
95	Electron-induced secondary electron emission of Zn-doped MgO/Au composite film. <i>Materials Letters</i> , 2018 , 229, 360-363	3.3	6
94	Effects of sintering time on crystal structure, dielectric properties and conductivity of (Ca _{0.8} Sr _{0.2})ZrO ₃ ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2014 , 25, 1505-1511	2.1	6
93	White-light luminescence properties of Mg and Sn doped ZnO prepared by thermal oxidation. <i>Materials Research Bulletin</i> , 2014 , 50, 421-423	5.1	6
92	Electrical conduction behavior and hopping rates estimate of cadmium zinc telluride single crystal. <i>Journal of Crystal Growth</i> , 2013 , 372, 175-179	1.6	6
91	Dielectric properties and relaxation behavior of the indium doped cadmium zinc telluride single crystal. <i>Journal of Applied Physics</i> , 2012 , 111, 084111	2.5	6
90	Monoclinic Distortion Shrinkage and Enhanced Properties of La ₂ Mo ₂ O ₉ Oxide Ion Conductors Synthesized by an Isobaric-Microwave Assisted Method. <i>ECS Solid State Letters</i> , 2013 , 2, N27-N30		6
89	Low-temperature fabrication and crystallization behavior of Pb(Mg _{1/3} Nb _{2/3} O ₃) crystallites by a hydrothermal process. <i>Journal of Alloys and Compounds</i> , 2009 , 469, 322-326	5.7	6
88	Dielectric properties and microstructure of Sr _{0.8} (K,Na) _{0.2} Bi ₂ Nb ₂ O ₉ ferroelectric ceramics. <i>Journal of Alloys and Compounds</i> , 2009 , 477, 828-831	5.7	6
87	Low-temperature synthesis of (Pb,La)(Zr,Ti)O ₃ thick film on Ti substrates by the hydrothermal method using oxide precursors. <i>Applied Physics Letters</i> , 2006 , 88, 012901	3.4	6
86	The influence of fabrication processing on domain structure and polarization switching in PZN-based ferroelectric ceramics. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2005 , 120, 114-118	3.1	6

- 85 Mean-Field Approach to Dielectric Relaxation in Giant Dielectric Constant Perovskite Ceramics. *Journal of Ceramics*, **2013**, 2013, 1-7 6
- 84 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
- 83 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
- 82 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
- 81 Diffusion phase transition and aging properties induced by B-site disorder in Na-doped barium strontium titanium ceramics. *Journal of Materials Science: Materials in Electronics*, **2014**, 25, 5581-5592 2.1 5
- 80 Low-temperature growth of lead magnesium niobate thick films by a hydrothermal process. *Ceramics International*, **2008**, 34, 1063-1066 5.1 5
- 79 Balanced development of dielectric permittivity, loss tangent, and temperature stability in K_{0.5}Na_{0.5}NbO₃-based ceramic capacitors. *Journal of Alloys and Compounds*, **2020**, 817, 152798 5.7 5
- 78 Large electrostrain and high energy-storage of (1-x)[0.94(Bi_{0.5}Na_{0.5})TiO₃-0.06BaTiO₃]-xBa(Sn_{0.70}Nb_{0.24})O₃ lead-free ceramics. *Ceramics International*, **2021**, 47, 18487-18496 5.1 5
- 77 Au Doping Effect on the Secondary Electron Emission Performance of MgO Films. *Materials*, **2018**, 11, 3-5 3.5 5
- 76 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
- 75 Sodium in situ Intercalated Ultrathin δ MnO₂ Flakes Electrode with Enhanced Intercalation Capacitive Performance for Asymmetric Supercapacitors. *ChemistrySelect*, **2020**, 5, 869-874 1.8 4
- 74 Effects of Magnesium Doping on Phase Transitions and Dielectric Figure of Merit of Barium Strontium Titanate Ceramics. *International Journal of Applied Ceramic Technology*, **2012**, 9, 358-365 2 4
- 73 Wear Behavior of the Lead-Free Tin Bronze Matrix Composite Reinforced by Carbon Nanotubes. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2011**, 42, 3858-3862 2.3 4
- 72 OPTICAL AND ELECTRICAL PROPERTIES OF La₂O₃ FILMS PREPARED BY ION BEAM ASSISTANT ELECTRON BEAM EVAPORATION. *Surface Review and Letters*, **2008**, 15, 271-275 1.1 4
- 71 Slow relaxation of piezoelectric response in CdZnTe ferroelectric semiconductor single crystals. *Applied Physics Letters*, **2007**, 91, 162901 3.4 4
- 70 Dielectric, piezoelectric and conduction properties of yttrium acceptor-doped BaTiO₃ ceramics. *Journal of Materials Science: Materials in Electronics*, **2016**, 27, 11762-11769 2.1 4
- 69 Synthesis of Monodisperse Walnut-Like SnO₂Spheres and Their Photocatalytic Performances. *Journal of Nanomaterials*, **2015**, 2015, 1-8 3.2 3
- 68 The perovskite CdSnO₃ micro-particles modified by multi-walled carbon nanotubes enhance the ethanol gas sensing property. *Journal of Nanoscience and Nanotechnology*, **2010**, 10, 7045-9 1.3 3

67	Effect of corona poling on structure evolutions of β -phase and δ -phase PVDF films 2010 ,		3
66	Grain growth in sintered porous $\text{Pb}(\text{Zr}_{0.95}\text{Ti}_{0.05})\text{O}_3$ ceramics. <i>Solid State Ionics</i> , 2008 , 179, 875-877	3.3	3
65	Effect of excess PbO and sintering temperature on the templated grain growth of $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})_{0.67}\text{Ti}_{0.33}\text{O}_3$ polycrystals. <i>Journal of Materials Science</i> , 2005 , 40, 449-453	4.3	3
64	A hydrogen evolution system based on hybrid nanogel films with capabilities of spontaneous moisture collection and high light harvesting. <i>Green Chemistry</i> ,	10	3
63	Dielectric temperature stability and energy storage performance of B-site Sn^{4+} -doped BNKBST ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 13620-13627	2.1	3
62	Large electro-strain with excellent fatigue resistance of lead-free $(\text{Bi}_{0.5}\text{Na}_{0.5})_{0.94}\text{Ba}_{0.06}\text{Ti}_{1-x}(\text{Y}_{0.5}\text{Nb}_{0.5})\text{O}_3$ perovskite ceramics. <i>Ceramics International</i> , 2021 , 47, 17092-17098	5.1	3
61	The electrocaloric effect and thermal stability of $0.94(\text{Bi}_{0.5}\text{Na}_{0.5})\text{TiO}_3\text{--}0.06\text{BaTiO}_3$ modified by WO_3 . <i>Applied Physics A: Materials Science and Processing</i> , 2016 , 122, 1	2.6	3
60	Electro-mechano-optical properties of the Er^{3+} modified $\text{Bi}_{0.5}\text{Na}_{0.4}\text{K}_{0.1}\text{TiO}_3$ versatile ceramics. <i>Journal of the European Ceramic Society</i> , 2021 , 41, 2488-2496	6	3
59	Enhanced energy-storage properties and dielectric temperature stability of $(\text{Bi}_{0.5}\text{Na}_{0.5})_{0.84}\text{Sr}_{0.16}\text{Ti}_{1-x}(\text{Y}_{0.5}\text{Nb}_{0.5})\text{O}_3$ lead-free ceramics. <i>Ceramics International</i> , 2021 , 47, 34059-34059	5.1	3
58	Oxygen concentration-related impedance spectroscopic studies of $\text{La}_2\text{Mo}_2\text{O}_9$ oxide ion conductors. <i>Ionics</i> , 2015 , 21, 213-219	2.7	2
57	Effect of silver addition on the microstructures and electrical responses of $\text{La}_{1.7}\text{Sr}_{0.3}\text{Mo}_{2.0}\text{O}_{9.1}$ ceramics. <i>Materials Research Bulletin</i> , 2013 , 48, 58-62	5.1	2
56	Double modes characterization and incident light angle tuning on the photonic band gap of SiO_2 colloid crystal. <i>Microwave and Optical Technology Letters</i> , 2011 , 53, 1805-1807	1.2	2
55	Anomaly Diffuse and Dielectric Relaxation of Barium Titanate at High Temperatures. <i>Ferroelectrics</i> , 2011 , 419, 66-69	0.6	2
54	Electromagnetic Transmission Property in Split-Ring Resonators at Microwave Frequency by Finite Difference Time Domain Method. <i>Ferroelectrics</i> , 2009 , 388, 1-4	0.6	2
53	Hydrogen-free carbon thin films prepared by new type surface-wave-sustained plasma (SWP). <i>Surface and Coatings Technology</i> , 2007 , 201, 6631-6634	4.4	2
52	Micro-Raman scattering and DC field dependent dielectric properties of $\text{BaZr}_x\text{Ti}_{1-x}\text{O}_3$ relaxor ferroelectric ceramics 2007 ,		2
51	Microstructure Evolution of the Templated Grain Growth in Textured $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})_{0.67}\text{Ti}_{0.33}\text{O}_3$ by Excess PbO Addition. <i>Ferroelectrics</i> , 2004 , 302, 307-311	0.6	2
50	Preparation and Field-Induced Electrical Properties of Perovskite Relaxor Ferroelectrics. <i>Transactions on Electrical and Electronic Materials</i> , 2015 , 16, 1-4	1.7	2

- 49 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
- 48 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
- 47 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
- 46 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
- 45 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
- 44 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
- 43 (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
- 42 The heterostructured AAO/CeO₂ nanosystem fabricated by electrodeposition for charge storage and hydrophobicity. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2013**, 178, 1140-1146 3.1 1
- 41 Self-Assembled Monolayer of Mixed Gold and Nickel Nanoparticles. *Nano-Micro Letters*, **2012**, 4, 166-171 19.5 1
- 40 Dielectric relaxation of NKN-BNT porous green body. *Procedia Engineering*, **2012**, 27, 793-798 1
- 39 Thermal Properties and Phase Transition Behavior of KNN-AN Piezoelectric Ceramics. *Ferroelectrics*, **2011**, 420, 7-11 0.6 1
- 38 Structures and Piezoelectric Properties of (Bi0.5Na0.5)TiO₃-(Na0.5K0.5)NbO₃ Based Lead-Free Ceramics. *Ferroelectrics*, **2010**, 404, 240-246 0.6 1
- 37 Dielectric behavior and phase transition of perovskite PMNBT films. *Physica Scripta*, **2010**, T139, 014039 2.6 1
- 36 SYNTHESIS OF Pb(Mg_{1/3}Nb_{2/3})O₃PbTiO₃ FILM ON Ti SUBSTRATES BY A SINGLE STEP AT LOW TEMPERATURE. *Surface Review and Letters*, **2008**, 15, 23-27 1.1 1
- 35 Modeling the Al₂O₃ particle/polymer composites for the packaging of the shock-wave pulsed transducer. *Sensors and Actuators A: Physical*, **2007**, 135, 651-659 3.9 1
- 34 Effect of measured distance and angle tuning on transmission properties of split-ring resonators. *Applied Physics Letters*, **2007**, 91, 111905 3.4 1
- 33 Process optimization of DLC films by unbalanced magnetron sputtering for laser-induced damage threshold improvement **2007**, 1
- 32 Electrostrictive properties and polarization mechanisms of Pb(Zn_{1/3}Nb_{2/3})O₃ based ceramics. *Ferroelectrics*, **2001**, 261, 89-94 0.6 1

31	Large electrostrictive effect and dielectric properties of (K _{0.5} Na _{0.5})NbO ₃ -BaZrO ₃ ceramics. <i>Journal of the European Ceramic Society</i> , 2022 , 42, 2195-2203	6	1
30	Effect of the element ratio in the doping component on the properties of 0.975(0.8Bi ^{1/2} Na ^{1/2} TiO ₃ 0.2Bi ^{1/2} K ^{1/2} TiO ₃)0.025Bix/3Mgy/3Nb ^z /3O ₃ ceramics 2021 , 36, 1114		1
29	A novel low-loss (1-x)(Ca _{0.8} Sr _{0.2})TiO ₃ -xSmAlO ₃ microwave dielectric ceramics with near-zero temperature coefficient. <i>Journal of Alloys and Compounds</i> , 2021 , 162809	5.7	1
28	Preparation and Electrical Properties of BST Thick Film Deposited by Electrophoretic Deposition Method. <i>Wuji Cailiao Xuebao/Journal of Inorganic Materials</i> , 2008 , 23, 687-690	1	1
27	Domain Morphology and Field-Induced Phase Transition in 'Two Phase Zone' of PZN-Based Ferroelectrics		1
26	1D-2D Ag nanowire/g-C ₃ N ₄ hybrid obtained via a post-mechanical-mixing route for photocatalytic Rhodamine B degradation. <i>Research on Chemical Intermediates</i> , 2020 , 46, 4673-4684	2.8	1
25	Large field-induced strain with enhanced temperature-stable dielectric properties of AgNbO ₃ -modified (Bi _{0.5} Na _{0.5}) _{0.94} Ba _{0.06} TiO ₃ lead-free ceramics. <i>Ceramics International</i> , 2021 , 47, 20900-20900	5.1	1
24	Enhanced dielectric temperature stability and energy-storage properties of (Y _{0.5} Nb _{0.5}) ₄₊ co-doped (Bi _{0.5} Na _{0.5}) _{0.94} Ba _{0.06} TiO ₃ lead-free relaxor ceramics. <i>Journal of Materials Science</i> , 2021 , 56, 14672-14683	4.3	1
23	Giant electric field-induced strain and ferroelectric behavior of Bi _{0.5} Na _{0.4} K _{0.1} TiO ₃ -Na _{1-x} Li _x NbO ₃ lead-free ceramics. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021 , 263, 114819	3.1	1
22	Effect of the element ratio in the doping component on the properties of 0.975(0.8Bi ^{1/2} Na ^{1/2} TiO ₃ 0.2Bi ^{1/2} K ^{1/2} TiO ₃)0.025Bix/3Mgy/3Nb ^z /3O ₃ ceramics. <i>Journal of Materials Research</i> , 2021 , 36, 1114-1124	2.5	1
21	Large strain and low hysteresis in (0.64-x) Bi _{0.5} Na _{0.5} TiO ₃ - 0.36Sr _{0.7} Bi _{0.2} TiO ₃ -x(K _{0.5} La _{0.5})(Ti _{0.9} Zr _{0.1})O ₃ piezoceramics. <i>Ceramics International</i> , 2021 , 47, 30399-30405	5.1	1
20	The dry sliding wear rate of a Fe-based amorphous coating prepared on mild steel by HVOF thermal spraying. <i>Journal of Materials Research and Technology</i> , 2022 , 18, 1682-1691	5.5	1
19	Structure evolutions with enhanced dielectric permittivity and ferroelectric properties of Ba(1-x)(La, Li)xTiO ₃ ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 23103-23115	2.1	0
18	Enhanced energy storage density and efficiency in Sm ³⁺ -doped ((Bi _{0.5} Na _{0.5}) _{0.7} (Sr _{0.7} Bi _{0.2}) _{0.3})TiO ₃ ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 24930	2.1	0
17	Hydrothermal synthesis and their ethanol gas sensing performance of 3-dimensional hierarchical nano Pt/SnO ₂ . <i>Journal of Alloys and Compounds</i> , 2022 , 909, 164693	5.7	0
16	Enhanced energy storage density with excellent temperature-stable dielectric properties of (1-x)[(Bi _{0.5} Na _{0.5}) _{0.94} Ba _{0.06} TiO ₃]-xAgNbO ₃ lead-free ceramics. <i>Journal of Alloys and Compounds</i> , 2022 , 911, 165019	5.7	0
15	Variable magnetic and electric resonances for split-ring resonators as left-handed materials in free space. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2010 , 33, 801-806	0.4	
14	Preparation and Grain Growth of Pb(Zr _{0.95} Ti _{0.05})O ₃ Porous Ceramics Prepared by One-Step Pyrolysis Process Using Non-Aqueous Pechini Method. <i>Key Engineering Materials</i> , 2010 , 434-435, 678-681	0.4	

- 13 Dielectric Tunability and Mechanism of Leakage Current in Liquid-Solid-Solution-Electrophoretic Deposition Derived Barium Strontium Titanate Thick Film. *Ferroelectrics*, **2010**, 405, 198-203 0.6
- 12 Structure and dielectric properties of Cu and (K,Na) doped SrBi₂Nb₂O₉ ferroelectric ceramics. *Journal of Electroceramics*, **2009**, 23, 52-55 1.5
- 11 Industrial Preparation of SiC Ceramic Coating for High Temperature and Anti-Oxidation of C/C Composites. *Advanced Materials Research*, **2011**, 189-193, 147-151 0.5
- 10 Nonlinear V-I property of Ag/BaTiO₃ composite materials. *Science Bulletin*, **1997**, 42, 1046-1048
- 9 Pb(Zr_{0.95}Ti_{0.05})O₃ Powders Synthesized by PEG Modified Pechini Method: Characterization and Sintering Behavior. *Advanced Materials Research*, **2007**, 26-28, 1105-1108 0.5
- 8 Low-Temperature Synthesis and Characterization of Lead Zinc Niobate Thick Films. *Journal of the American Ceramic Society*, **2008**, 91, 2559-2563 3.8
- 7 Preparations and Characterizations of Perovskite PMN Ceramics by Using a One-Step Calcination Method. *Advanced Materials Research*, **2007**, 26-28, 255-258 0.5
- 6 Electric field dependence of the dielectric properties of Pb(Zn_{1/3}Nb_{2/3})O₃-BaTiO₃-PbTiO₃ ceramics. *Ferroelectrics*, **2001**, 262, 155-160 0.6
- 5 Enhanced energy storage performance and fatigue resistance of Mn-doped 0.7Na_{0.5}Bi_{0.5}TiO₃0.3Sr_{0.7}Bi_{0.2}TiO₃ lead-free ferroelectric ceramics. *Journal of Materials Research*, 1-10 2.5
- 4 Researches and Developments of PMN-based Relaxor Ferroelectric Thick Film. *Wuji Cailiao Xuebao/Journal of Inorganic Materials*, **2010**, 25, 673-677 1
- 3 Nanosession: Photovoltaics, Photocatalysis, and Optical Effects 389-397
- 2 Enhanced recoverable energy density of 0.94Bi_{0.50}(Na_{0.78}K_{0.22})_{0.50}Ti_{1-x}(Fe_{0.50}Nb_{0.50})_xO₃0.06BaZrO₃ lead-free relaxor ceramics doped by (Fe_{0.50}Nb_{0.50})₄₊ complex ions. *SN Applied Sciences*, **2020**, 2, 1 1.8
- 1 Effect of BaSnO₃ on structural and electrical properties of lead free Na_{0.5}Bi_{0.5}TiO₃ ceramic solid solution. *Physica Scripta*, **2021**, 96, 125805 2.6