

Ling Bing Kong

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.

317
papers

10,153
citations

49
h-index

88
g-index

327
ext. papers

11,788
ext. citations

5
avg, IF

6.51
L-index

#	Paper	IF	Citations
3 ¹⁷	Preparation and characterization of glassy waste forms based on SrF ₂ -Fe ₂ O ₃ -PbO/Bi ₂ O ₃ -P ₂ O ₅ system. <i>Journal of Non-Crystalline Solids</i> , 2022 , 581, 121303	3.9	1
3 ¹⁶	MXene/CoS heterostructures self-assembled through electrostatic interaction as superior microwave absorber. <i>Journal of Alloys and Compounds</i> , 2022 , 900, 163452	5.7	1
3 ¹⁵	Microstructure evolution and phase transformation in a nickel-based superalloy with varying Ti/Al ratios: Part 1 - Microstructure evolution. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022 , 831, 142228	5.3	1
3 ¹⁴	Microstructure evolution and phase transformation in a nickel-based superalloy with varying Ti/Al ratios: Part 2 [Phase transformation. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022 , 831, 142229	5.3	
3 ¹³	Enhanced microwave absorption performance of nitrogen-doped porous carbon dodecahedrons composite embedded with ceric dioxide. <i>Advanced Powder Technology</i> , 2022 , 33, 103527	4.6	0
3 ¹²	Synergistic effect of niobium oxide and cobalt on electromagnetic properties of dodecahedron-carbon composites. <i>Journal of Solid State Chemistry</i> , 2022 , 311, 123122	3.3	
3 ¹¹	Coal-based carbon/FeCo magnetic composites with layered stripes as novel light-weight microwave absorber. <i>Diamond and Related Materials</i> , 2021 , 120, 108685	3.5	1
3 ¹⁰	Revelation of Function and Inhibition of Wza Through Single-Channel Studies. <i>Methods in Molecular Biology</i> , 2021 , 2186, 63-76	1.4	
3 ⁰⁹	Investigations of anodization parameters and TiCl ₄ treatments on TiO ₂ nanostructures for highly optimized dye-sensitized solar cells. <i>Surfaces and Interfaces</i> , 2021 , 27, 101578	4.1	0
3 ⁰⁸	Microstructure and phases structure in nickel-based superalloy IN713C after solidification. <i>Materials Characterization</i> , 2021 , 182, 111566	3.9	0
3 ⁰⁷	Investigation on the effect of the reference supply voltage on the micro-rectangular-columned Ti ₃ SiC ₂ surface by wire electrical discharge machining. <i>AIP Advances</i> , 2021 , 11, 035301	1.5	
3 ⁰⁶	Effects of flake-shape and content of nano-mullite on mechanical properties and fracture process of corundum composite ceramics. <i>Journal of Asian Ceramic Societies</i> , 2021 , 9, 459-470	2.4	0
3 ⁰⁵	Progress in fabrication and characterization of mullite whiskers. <i>Journal of Micromechanics and Molecular Physics</i> , 2021 , 06, 2150003	1.4	1
3 ⁰⁴	Blistering of potassium-tantalate single crystals induced by helium implantation. <i>Journal of the Korean Physical Society</i> , 2021 , 78, 750-754	0.6	
3 ⁰³	Self-reducing coal-derived carbon/Ni ₃ Fe magnetic composites with frequency-dependent microwave absorption performance. <i>Advanced Powder Technology</i> , 2021 , 32, 885-894	4.6	5
3 ⁰²	Preparation of coral-like palygorskite-dispersed Fe ₃ O ₄ /polyaniline with improved electromagnetic absorption performance. <i>Applied Clay Science</i> , 2021 , 204, 106009	5.2	5
3 ⁰¹	Investigation on the wear resistance and mechanical properties of Al/Ti ₃ SiC ₂ composites fabricated by the spark plasma sintering. <i>Materials Today Communications</i> , 2021 , 27, 102270	2.5	0

300	Effects of zirconium source and content on zirconia crystal form, microstructure and mechanical properties of ZTM ceramics. <i>Ceramics International</i> , 2021 , 47, 19914-19922	5.1	1
299	Nitrogen-doped graphene oxide and lanthanum-doped cobalt ferrite composites as high-performance microwave absorber. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 21685-21696	2.1	0
298	NiCo alloy/C nanocomposites derived from a Ni-doped ZIF-67 for lightweight microwave absorbers. <i>Nanotechnology</i> , 2021 , 32,	3.4	3
297	One-step preparation of environment-oriented magnetic coal-based activated carbon with high adsorption and magnetic separation performance. <i>Journal of Magnetism and Magnetic Materials</i> , 2021 , 521, 167517	2.8	6
296	Purification and dissociation of raw palygorskite through wet ball milling as a carrier to enhance the microwave absorption performance of Fe ₃ O ₄ . <i>Applied Clay Science</i> , 2021 , 200, 105915	5.2	10
295	Hydrothermal synthesis of star-shaped Bi ₅ O ₇ Br catalysts with strong visible light catalytic performance. <i>Journal of Materials Research</i> , 2021 , 36, 628-636	2.5	2
294	In situ synthesis of layered coal-based carbon/Co porous magnetic composites with promising microwave absorption performance. <i>New Journal of Chemistry</i> , 2021 , 45, 15525-15535	3.6	1
293	Broadband electromagnetic absorption of Ti ₃ C ₂ T _x MXene/WS ₂ composite via constructing two-dimensional heterostructure. <i>Journal of the American Ceramic Society</i> , 2021 , 104, 5537-5546	3.8	4
292	Dispersed spherical shell-shaped palygorskite/carbon/polyaniline composites with advanced microwave absorption performances. <i>Powder Technology</i> , 2021 , 387, 277-286	5.2	9
291	Improving the low-rate stability of lithium-sulfur battery through the coating of conductive polymer. <i>Ionics</i> , 2021 , 27, 3887-3893	2.7	3
290	Preparation and characterization of nanocomposites of MoS ₂ nanoflowers and palygorskite nanofibers as lightweight microwave absorbers. <i>Applied Clay Science</i> , 2021 , 211, 106169	5.2	2
289	Laser powder bed fusion of Mo ₂ C/Ti-6Al-4V composites with alternately laminated α/β phases for enhanced mechanical properties. <i>Additive Manufacturing</i> , 2021 , 46, 102134	6.1	4
288	Effect of sputtering power on structure and properties of ZTO films. <i>Journal of Alloys and Compounds</i> , 2021 , 883, 160622	5.7	6
287	Rapid fabrication of extremely thin Nano-Al ₂ O ₃ transparent ceramic wafers through nonaqueous tape casting. <i>Ceramics International</i> , 2021 , 47, 30677-30684	5.1	0
286	Facile synthesis of La-doped cobalt ferrite@glucose-based carbon composite as effective multiband microwave absorber. <i>Journal of the American Ceramic Society</i> , 2021 , 104, 2191-2200	3.8	11
285	Synthesis of palygorskite supported spherical ZnS nanocomposites with enhanced photocatalytic activity. <i>CrystEngComm</i> , 2021 , 23, 4229-4236	3.3	2
284	Novel composites with a cross-linked polyaniline shell and oriented palygorskite as ideal microwave absorbers. <i>New Journal of Chemistry</i> , 2021 , 45, 2765-2774	3.6	3
283	MXenes and MXenes-based Composites. <i>Engineering Materials</i> , 2020 ,	0.4	2

282	Embedded MoS ₂ -PANI nanocomposites with advanced microwave absorption performance. <i>Composites Science and Technology</i> , 2020 , 198, 108239	8.6	36
281	An overview on transparent ceramics with pyrochlore and fluorite structures. <i>Journal of Advanced Dielectrics</i> , 2020 , 10, 2030001	1.3	5
280	Double-layer absorbers based on hierarchical MXene composites for microwave absorption through optimal combination. <i>Journal of Materials Research</i> , 2020 , 35, 1481-1491	2.5	4
279	Delamination strategy to achieve Ti ₃ C ₂ T _x /CNZF composites with tunable electromagnetic absorption. <i>Materials Science in Semiconductor Processing</i> , 2020 , 112, 105008	4.3	16
278	Understanding MXene-Based Symmetric Supercapacitors and Redox Electrolyte Energy Storage. <i>ACS Applied Energy Materials</i> , 2020 , 3, 5006-5014	6.1	20
277	Fabrication of laser grade Yb: Y ₂ O ₃ transparent ceramics with ZrO ₂ additive through hot isostatic pressing. <i>Materials Today Communications</i> , 2020 , 24, 101185	2.5	4
276	Energy Related Applications. <i>Engineering Materials</i> , 2020 , 207-302	0.4	
275	MXenes Based Composites and Hybrids. <i>Engineering Materials</i> , 2020 , 95-206	0.4	
274	Green and scalable preparation of disproportionated SiO anode materials with cocoon-like buffer layer. <i>Journal of Power Sources</i> , 2020 , 466, 228234	8.9	7
273	Preparation of g-C ₃ N ₄ /SnO ₂ composites for application as acetic acid sensor. <i>Journal of Alloys and Compounds</i> , 2020 , 832, 153355	5.7	11
272	Facile synthesis and enhanced microwave absorption properties of anthracite-based carbon/Ni ₃ Fe/NiO ternary composites. <i>New Journal of Chemistry</i> , 2020 , 44, 13962-13970	3.6	4
271	In-situ synthesis of layered porous coal-derived carbon/Ni magnetic composites with promising microwave absorption performance. <i>Journal of Magnetism and Magnetic Materials</i> , 2020 , 513, 167231	2.8	11
270	Materials development and potential applications of transparent ceramics: A review. <i>Materials Science and Engineering Reports</i> , 2020 , 139, 100518	30.9	89
269	Fabrication of Er:Y ₂ O ₃ transparent ceramics for 2.7 μ m mid-infrared solid-state lasers. <i>Journal of the European Ceramic Society</i> , 2020 , 40, 444-448	6	12
268	Enhanced microwave absorption properties of (1-x)CoFe ₂ O ₄ /xCoFe composites at multiple frequency bands. <i>Journal of Magnetism and Magnetic Materials</i> , 2020 , 493, 165699	2.8	31
267	Directly anchoring 2D NiCo metal-organic frameworks on few-layer black phosphorus for advanced lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 783-790	13	77
266	Hollow Fe ₃ O ₄ microspheres/graphene composites with adjustable electromagnetic absorption properties. <i>Diamond and Related Materials</i> , 2019 , 97, 107441	3.5	13
265	Hydrothermal synthesis of polyhedral FeCo alloys with enhanced electromagnetic absorption performances. <i>Journal of Alloys and Compounds</i> , 2019 , 794, 68-75	5.7	46

264	Nickel Oxide as Efficient Hole Transport Materials for Perovskite Solar Cells. <i>Solar Rrl</i> , 2019 , 3, 1900001	7.1	85
263	Novel multilayer-like structure of Ti ₃ C ₂ T _x /CNZF composites for low-frequency electromagnetic absorption. <i>Materials Letters</i> , 2019 , 248, 214-217	3.3	34
262	Surface nitrogen-modified 2D titanium carbide (MXene) with high energy density for aqueous supercapacitor applications. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 5416-5425	13	80
261	Crystallization behavior, structure and properties of glasses in SrOFe ₂ O ₃ B ₂ O ₅ system. <i>Journal of Non-Crystalline Solids</i> , 2019 , 523, 119588	3.9	9
260	Investigation on the surface modification of TiO ₂ nanohexagon arrays based photoanode with SnO ₂ nanoparticles for highly-efficient dye-sensitized solar cells. <i>Materials Research Bulletin</i> , 2019 , 109, 21-28	5.1	10
259	Pump laser induced photodarkening in ZrO ₂ -doped Yb:Y ₂ O ₃ laser ceramics. <i>Journal of the European Ceramic Society</i> , 2019 , 39, 635-640	6	15
258	Phase Transformation of GeO Glass to Nanocrystals under Ambient Conditions. <i>Nano Letters</i> , 2018 , 18, 3290-3296	11.5	18
257	Bismuth lanthanum titanate ceramics from amorphous precursors activated by using mechanochemical treatment. <i>Ceramics International</i> , 2018 , 44, 13106-13112	5.1	6
256	Synthesis and application of iron-based nanomaterials as anodes of lithium-ion batteries and supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 9332-9367	13	118
255	Low temperature sintered magneto-dielectric ferrite ceramics with near net-shape derived from high-energy milled powders. <i>Journal of Alloys and Compounds</i> , 2018 , 751, 28-33	5.7	8
254	Coal-Based Hierarchical Porous Carbon Synthesized with a Soluble Salt Self-Assembly-Assisted Method for High Performance Supercapacitors and Li-Ion Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 3255-3263	8.3	56
253	Optimization of Ni _{0.95} Zn _x Co _{0.05} Fe _{1.90} Mn _{0.02} O ₄ ceramics with promising magneto-dielectric properties for VHF antenna miniaturization. <i>Journal of Advanced Dielectrics</i> , 2018 , 08, 1850001	1.3	1
252	Rational design of hybrid porous nanotubes with robust structure of ultrafine Li ₄ Ti ₅ O ₁₂ nanoparticles embedded in bamboo-like CNTs for superior lithium ion storage. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 3342-3349	13	25
251	Holmium doped yttria transparent ceramics for 2- μ m solid state lasers. <i>Journal of the European Ceramic Society</i> , 2018 , 38, 1986-1989	6	15
250	Sintering and electrical properties of commercial PZT powders modified through mechanochemical activation. <i>Journal of Materials Science</i> , 2018 , 53, 13769-13778	4.3	4
249	Enhanced Microwave Absorption Properties of Double-Layer Absorbers Based on Spherical NiO and Co _{0.2} Ni _{0.4} Zn _{0.4} Fe ₂ O ₄ Ferrite Composites. <i>Acta Metallurgica Sinica (English Letters)</i> , 2018 , 31, 171-179	2.5	23
248	Tuning ZnSe/CoSe in MOF-derived N-doped porous carbon/CNTs for high-performance lithium storage. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 15710-15717	13	98
247	Recent development in nanocarbon materials for gas sensor applications. <i>Sensors and Actuators B: Chemical</i> , 2018 , 274, 235-267	8.5	80

246	Ultrasmall Fe ₃ O ₄ nanoparticles on MXenes with high microwave absorption performance. <i>Materials Letters</i> , 2018 , 229, 286-289	3.3	64
245	Ferrite-based composites for microwave absorbing applications 2018 , 361-385		0
244	Alkyl ethoxylate assisted liquid phase exfoliation of BN nanosheet and its application as interphase for oxide/oxide composites. <i>Ceramics International</i> , 2018 , 44, 21461-21469	5.1	7
243	Phase formation and microstructure evolution in mullite ceramics synthesized from mechanochemically activated oxide powders doped with Cr ₂ O ₃ . <i>Journal of Physics and Chemistry of Solids</i> , 2018 , 123, 198-205	3.9	2
242	2.23 Pyroelectric Materials 2018 , 720-759		3
241	Yttria nanopowders with low degree of aggregation by a spray precipitation method. <i>Ceramics International</i> , 2018 , 44, 20472-20477	5.1	7
240	Pseudocapacitive Behaviors of LiFeTiO/C Hybrid Porous Nanotubes for Novel Lithium-Ion Battery Anodes with Superior Performances. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 20225-20230	9.5	17
239	First transparent oxide ion conducting ceramics synthesized by full crystallization from glass. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 5276-5289	13	22
238	Confined formation of monoclinic Na ₄ Ti ₅ O ₁₂ nanoparticles embedded into porous CNTs: towards enhanced electrochemical performances for sodium ion batteries. <i>New Journal of Chemistry</i> , 2018 , 42, 19340-19343	3.6	11
237	Submicron-grained Yb:Lu ₂ O ₃ transparent ceramics with lasing quality. <i>Journal of the American Ceramic Society</i> , 2018 , 102, 2587	3.8	3
236	Facile synthesis of ultrasmall Fe ₃ O ₄ nanoparticles on MXenes for high microwave absorption performance. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018 , 115, 371-382	8.4	154
235	Theory of ferrimagnetism and ferrimagnetic metal oxides 2018 , 287-311		1
234	Effect of Bi ₂ O ₃ on phase formation and microstructure evolution of mullite ceramics from mechanochemically activated oxide mixtures. <i>Ceramics International</i> , 2018 , 44, 13841-13847	5.1	5
233	Yb:Y ₂ O ₃ transparent ceramics processed with hot isostatic pressing. <i>Optical Materials</i> , 2017 , 71, 117-120	3.9	22
232	Microwave absorption properties of double-layer absorbers based on Co _{0.2} Ni _{0.4} Zn _{0.4} Fe ₂ O ₄ ferrite and reduced graphene oxide composites. <i>Journal of Alloys and Compounds</i> , 2017 , 701, 841-849	5.7	90
231	Enhanced photoluminescence property of sulfate ions modified YAG:Ce ³⁺ phosphor by co-precipitation method. <i>Journal of Rare Earths</i> , 2017 , 35, 217-222	3.7	19
230	Carbon nanomaterials in tribology. <i>Carbon</i> , 2017 , 119, 150-171	10.4	223
229	Facile Synthesis and Hierarchical Assembly of Flowerlike NiO Structures with Enhanced Dielectric and Microwave Absorption Properties. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 16404-16416	9.5	236

228	Advances and challenges of nanostructured electrodes for LiBe batteries. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 10110-10126	13	75
227	Facile preparation of protonated hexaniobate nanosheets and its enhanced photocatalytic activity. <i>Nanotechnology</i> , 2017 , 28, 235702	3.4	2
226	Flexible and free-standing 2D titanium carbide film decorated with manganese oxide nanoparticles as a high volumetric capacity electrode for supercapacitor. <i>Journal of Power Sources</i> , 2017 , 359, 332-339	8.9	110
225	Hybrid porous bamboo-like CNTs embedding ultrasmall LiCrTiO nanoparticles as high rate and long life anode materials for lithium ion batteries. <i>Chemical Communications</i> , 2017 , 53, 1033-1036	5.8	24
224	Recent progress in layered transition metal carbides and/or nitrides (MXenes) and their composites: synthesis and applications. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 3039-3068	13	460
223	Ni foam supported quasi-core-shell structure of ultrathin Ti3C2 nanosheets through electrostatic layer-by-layer self-assembly as high rate-performance electrodes of supercapacitors. <i>Journal of Power Sources</i> , 2017 , 369, 78-86	8.9	48
222	Hierarchical SnO2-Graphite Nanocomposite Anode for Lithium-Ion Batteries through High Energy Mechanical Activation. <i>Electrochimica Acta</i> , 2017 , 248, 440-448	6.7	13
221	New Insights into the Electronic Structure and Photoelectrochemical Properties of Nitrogen-Doped HNbO via a Combined in Situ Experimental and DFT Investigation. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 42751-42760	9.5	5
220	Magnetic Nanomaterials for Electromagnetic Wave Absorption 2017 , 473-514		1
219	A monodisperse transmembrane helical peptide barrel. <i>Nature Chemistry</i> , 2017 , 9, 411-419	17.6	60
218	Low-level sintering aids for highly transparent Yb:Y2O3 ceramics. <i>Journal of Alloys and Compounds</i> , 2017 , 695, 1414-1419	5.7	10
217	Thickness-dependent electrocaloric effect of Pb0.82Ba0.08La0.10(Zr0.90Ti0.10)O3 antiferroelectric thick films. <i>Journal of Alloys and Compounds</i> , 2017 , 690, 131-138	5.7	15
216	Rapid processing of ferrite ceramics with promising magneto-dielectric characteristics. <i>Journal of Advanced Dielectrics</i> , 2017 , 07, 1750040	1.3	1
215	Carbon Nanomaterials Derived from Graphene and Graphene Oxide Nanosheets. <i>Advanced Structured Materials</i> , 2017 , 177-243	0.6	
214	New double-sintering aid for fabrication of highly transparent ytterbium-doped yttria ceramics. <i>Journal of the European Ceramic Society</i> , 2016 , 36, 253-256	6	18
213	Enhanced electrocaloric effect and energy-storage performance in PBLZT films with various Ba2+ content. <i>Ceramics International</i> , 2016 , 42, 16439-16447	5.1	14
212	Densification of zirconia doped yttria transparent ceramics using co-precipitated powders. <i>Ceramics International</i> , 2016 , 42, 10770-10778	5.1	12
211	Electrocaloric effect and energy-storage performance in grain-size-engineered PBLZT antiferroelectric thick films. <i>Journal of Materials Science: Materials in Electronics</i> , 2016 , 27, 10309-10319	2.1	19

210	Densification of Yttria Transparent Ceramics: The Utilization of Activated Sintering. <i>Journal of the American Ceramic Society</i> , 2016 , 99, 1671-1675	3.8	16
209	In ₂ O ₃ /Bi ₂ Sn ₂ O ₇ heterostructured nanoparticles with enhanced photocatalytic activity. <i>Applied Surface Science</i> , 2016 , 387, 36-44	6.7	35
208	ZnO/TiO ₂ nanohexagon arrays heterojunction photoanode for enhancing power conversion efficiency in dye-sensitized solar cells. <i>Journal of Alloys and Compounds</i> , 2016 , 685, 610-618	5.7	20
207	Bamboo-like carbon nanotubes containing sulfur for high performance supercapacitors. <i>Electrochimica Acta</i> , 2016 , 191, 846-853	6.7	32
206	Carbon Nanomaterials Based on Carbon Nanotubes (CNTs). <i>Advanced Structured Materials</i> , 2016 , 25-101	0.6	1
205	An antibacterial vaccination strategy based on a glycoconjugate containing the core lipopolysaccharide tetrasaccharide Hep2Kdo ₂ . <i>Nature Chemistry</i> , 2016 , 8, 242-9	17.6	41
204	Recent progress in VO ₂ smart coatings: Strategies to improve the thermochromic properties. <i>Progress in Materials Science</i> , 2016 , 81, 1-54	42.2	186
203	A theoretical and experimental investigation of orthogonal slow tool servo machining of wavy microstructured patterns on precision rollers. <i>Precision Engineering</i> , 2016 , 43, 315-327	2.9	23
202	Dielectric Properties and Energy Storage Densities of Poly(vinylidene fluoride) Nanocomposite with Surface Hydroxylated Cube Shaped BaSrTiO ₃ Nanoparticles. <i>Polymers</i> , 2016 , 8,	4.5	37
201	Rapid Rate Sintering of Yttria Transparent Ceramics. <i>Journal of the American Ceramic Society</i> , 2016 , 99, 1935-1942	3.8	5
200	Chemical polyglycosylation and nanolitre detection enables single-molecule recapitulation of bacterial sugar export. <i>Nature Chemistry</i> , 2016 , 8, 461-9	17.6	25
199	Dyed-graphitic carbon nitride with greatly extended visible-light-responsive range for hydrogen evolution. <i>Journal of Catalysis</i> , 2016 , 339, 93-101	7.3	57
198	Effects of ZnS layer on the performance improvement of the photosensitive ZnO nanowire arrays solar cells. <i>Materials Chemistry and Physics</i> , 2016 , 178, 139-148	4.4	5
197	Small magnetic Co-doped NiZn ferrite/graphene nanocomposites and their dual-region microwave absorption performance. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 9738-9749	7.1	327
196	Studies of interface characteristics of fine-grain ferroelectric based glass-ceramic composites using impedance spectroscopy. <i>Journal of Alloys and Compounds</i> , 2016 , 682, 196-202	5.7	3
195	New AgNbO ₄ compound with high visible light photocatalytic activity. <i>Materials Letters</i> , 2016 , 183, 97-100	3.3	2
194	Ordered crystalline TiO ₂ nanohexagon arrays for improving conversion efficiency of dye-sensitized solar cells. <i>Journal of Alloys and Compounds</i> , 2015 , 646, 106-111	5.7	8
193	Fabrication and stability of opened-end TiO ₂ nanotube arrays based dye-sensitized solar cells. <i>Ceramics International</i> , 2015 , 41, S719-S724	5.1	6

192	Fabrication of Bi ₂ Sn ₂ O ₇ -ZnO heterostructures with enhanced photocatalytic activity. <i>RSC Advances</i> , 2015 , 5, 27576-27583	3.7	27
191	Transparent Ceramic Materials. <i>Topics in Mining, Metallurgy and Materials Engineering</i> , 2015 , 29-91	0.4	7
190	Grain Growth and Microstructure Development. <i>Topics in Mining, Metallurgy and Materials Engineering</i> , 2015 , 519-579	0.4	1
189	Laser Applications. <i>Topics in Mining, Metallurgy and Materials Engineering</i> , 2015 , 581-674	0.4	
188	A Review on the Characteristics of the New Multiferroic Three-Ply Structure Ferroelectric-Ferromagnetic Nanocomposite. <i>Materials Science Forum</i> , 2015 , 815, 159-165	0.4	
187	Fabrication and characterization of highly transparent Yb ³⁺ : Y ₂ O ₃ ceramics. <i>Optical Materials</i> , 2015 , 50, 21-24	3.3	22
186	Ceramic Powder Synthesis. <i>Topics in Mining, Metallurgy and Materials Engineering</i> , 2015 , 93-189	0.4	3
185	Solvothermal synthesis of Sb:SnO ₂ nanoparticles and IR shielding coating for smart window. <i>Materials and Design</i> , 2015 , 88, 384-389	8.1	38
184	Densification and microstructural evolution of yttria transparent ceramics: The effect of ball milling conditions. <i>Journal of the European Ceramic Society</i> , 2015 , 35, 1011-1019	6	19
183	Processing and Applications of Transparent Ceramics 2015 , 1-27		1
182	Dy ³⁺ /Ce ³⁺ Codoped YAG Transparent Ceramics for Single-Composition Tunable White-Light Phosphor. <i>Journal of the American Ceramic Society</i> , 2015 , 98, 3231-3235	3.8	19
181	Hybrid Processing of Electroceramic Composites Involving High-Energy Ball Milling 2015 , 577-611		
180	Hydrothermal synthesis of bamboo-shaped nanosheet KNb ₃ O ₈ with enhanced photocatalytic activity. <i>Journal of Alloys and Compounds</i> , 2015 , 627, 117-122	5.7	26
179	Crystallization and Properties of Strontium Barium Niobate-Based Glass/Ceramics for Energy-Storage Applications. <i>Journal of Electronic Materials</i> , 2015 , 44, 227-234	1.9	24
178	Densification behaviour and sintering mechanisms of Cu- or Co-doped SnO ₂ : A comparative study. <i>Acta Materialia</i> , 2014 , 62, 81-88	8.4	19
177	A comprehensive review on the progress of lead zirconate-based antiferroelectric materials. <i>Progress in Materials Science</i> , 2014 , 63, 1-57	42.2	434
176	Theoretical and experimental analysis of the effect of error motions on surface generation in fast tool servo machining. <i>Precision Engineering</i> , 2014 , 38, 428-438	2.9	21
175	Chinese ink-facilitated fabrication of carbon nanotube/polyvinyl alcohol composite sheets with a high nanotube loading. <i>Composites Part A: Applied Science and Manufacturing</i> , 2014 , 61, 209-215	8.4	13

174	Gas flow induced by ultrasonic cavitation bubble clouds and surface capillary wave. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2014 , 61, 1042-6	3.2	0
173	High-frequency Properties and Electromagnetic Wave Attenuation for Hexaferrite Composites. <i>Procedia Engineering</i> , 2014 , 75, 19-23		6
172	Suppressed ferroelectric relaxor behavior of Mn-modified Ba(Zr _{0.3} Ti _{0.7})O ₃ relaxor ceramics. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2014 , 211, 788-794	1.6	3
171	Enhancing the performance of poly(3-hexylthiophene)/ZnO nanorod arrays based hybrid solar cells through incorporation of a third component. <i>Science China: Physics, Mechanics and Astronomy</i> , 2014 , 57, 1289-1298	3.6	5
170	Highly enhanced sinterability of fine-grained Ba _{0.6} Sr _{0.4} TiO ₃ /MgO bulk ceramics and in-situ nanocomposite thick films. <i>Ceramics International</i> , 2014 , 40, 10475-10481	5.1	3
169	Waste Energy Harvesting. <i>Lecture Notes in Energy</i> , 2014 ,	0.4	35
168	Waste Thermal Energy Harvesting (I): Thermoelectric Effect. <i>Lecture Notes in Energy</i> , 2014 , 263-403	0.4	2
167	Waste Mechanical Energy Harvesting (I): Piezoelectric Effect. <i>Lecture Notes in Energy</i> , 2014 , 19-133	0.4	13
166	Waste Thermal Energy Harvesting (II): Pyroelectric Effect and Others. <i>Lecture Notes in Energy</i> , 2014 , 405-480	4.1	5
165	Single-molecule interrogation of a bacterial sugar transporter allows the discovery of an extracellular inhibitor. <i>Nature Chemistry</i> , 2013 , 5, 651-9	17.6	33
164	Anisotropic surface strain in single crystalline cobalt nanowires and its impact on the diameter-dependent Young's modulus. <i>Nanoscale</i> , 2013 , 5, 11643-8	7.7	13
163	Origin of the boosted exciton separation at fullerene molecule modified poly(3-hexylthiophene)/ZnO interfaces. <i>RSC Advances</i> , 2013 , 3, 17904	3.7	8
162	Recent progress in some composite materials and structures for specific electromagnetic applications. <i>International Materials Reviews</i> , 2013 , 58, 203-259	16.1	325
161	Molten-salt-mediated synthesis of SiC nanowires for microwave absorption applications. <i>CrystEngComm</i> , 2013 , 15, 570-576	3.3	156
160	Transparent ceramics: Processing, materials and applications. <i>Progress in Solid State Chemistry</i> , 2013 , 41, 20-54	8	342
159	A bidirectional curve network based sampling method for enhancing the performance in measuring ultra-precision freeform surfaces. <i>Precision Engineering</i> , 2013 , 37, 345-352	2.9	10
158	Dielectric and magnetic properties of NiCuZn ferrite coated Sendust flakes through a sol-gel approach. <i>Journal of Magnetism and Magnetic Materials</i> , 2013 , 331, 232-236	2.8	26
157	Mode-locked Yb:LuAG ceramics laser. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2013 , 10, 967-968		8

156	Controlled Synthesis of Amine-Capped γ -Fe ₂ O ₃ Nanoparticles by a One-Step Process. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 7713-7717	3.9	14
155	Controllable-permittivity and high-tunability of Ba _{0.5} Sr _{0.5} TiO ₃ /MgO based ceramics by composite configuration. <i>Applied Physics Letters</i> , 2013 , 102, 142907	3.4	28
154	High-frequency magnetic properties at K and Ka bands for barium-ferrite/silicone composites. <i>Journal of Magnetism and Magnetic Materials</i> , 2013 , 325, 82-86	2.8	13
153	A Study of Effect of Cutting Strategy on Surface Generation in Ultra-Precision Machining of Micro-Structured Pattern Rollers. <i>Key Engineering Materials</i> , 2013 , 552, 575-585	0.4	3
152	Correlation Between Grain Sizes and Electrical Properties of CaBi ₂ Nb ₂ O ₉ Piezoelectric Ceramics. <i>Journal of the American Ceramic Society</i> , 2012 , 95, 3514-3518	3.8	36
151	High frequency properties of composite membrane with in-plane aligned Sendust flake prepared by infiltration method. <i>Journal of Magnetism and Magnetic Materials</i> , 2012 , 324, 1786-1790	2.8	23
150	Effect of Ti substitution on spin reorientation for . <i>Journal of Magnetism and Magnetic Materials</i> , 2012 , 324, 2795-2799	2.8	3
149	Nanocrystalline Ferromagnetic Microwires Silicone Flexible Composite With Optical Transparency. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2012 , 54, 88-92	2	3
148	Investigation of ferroelectric phase transition for barium strontium titanate ceramics by in situ Raman scattering. <i>Journal of Applied Physics</i> , 2012 , 112, 124112	2.5	15
147	Enhanced microwave magnetic and attenuation properties of composites with free-standing spinel ferrite thick films as fillers. <i>Journal of Magnetism and Magnetic Materials</i> , 2012 , 324, 3144-3148	2.8	13
146	RELAXOR FERROELECTRIC MATERIALS FOR MICROWAVE TUNABLE APPLICATIONS. <i>Journal of Advanced Dielectrics</i> , 2012 , 02, 1230002	1.3	30
145	REVISIT TO DIELECTRIC PROPERTIES OF FERRITE CERAMICS. <i>Journal of Advanced Dielectrics</i> , 2012 , 02, 1230010	1.3	4
144	Electrical Properties of Textured (KNa) _{0.44} Li _{0.06} Nb _{0.84} Sb _{0.06} Ta _{0.10} O ₃ Thick Films. <i>Journal of Electronic Materials</i> , 2012 , 41, 3077-3081	1.9	2
143	Microwave tunable dielectric properties of multilayer CNT membranes for smart applications. <i>Applied Physics A: Materials Science and Processing</i> , 2012 , 108, 843-848	2.6	8
142	High permittivity and shielding effectiveness of microwire composites with optical transparency 2012 ,		2
141	Enhanced microwave magnetic and attenuation properties for Z-type barium ferrite composites with flaky fillers. <i>Journal of Applied Physics</i> , 2011 , 110, 063907	2.5	32
140	Electrodeposition of granular FeCoNi films with large permeability for microwave applications. <i>Journal of Materials Chemistry</i> , 2011 , 21, 16042		25
139	NiCuZn ferrite flakes prepared using a sol-gel bubble method and its magnetic properties. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 3038-3041	5.7	8

138	Microstructure and magnetic properties of Co/Cu nanowire arrays fabricated by galvanic displacement deposition. <i>Journal of Magnetism and Magnetic Materials</i> , 2011 , 323, 2674-2677	2.8	24
137	. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2011 , 53, 943-949	2	27
136	. <i>IEEE Transactions on Magnetics</i> , 2011 , 47, 3712-3715	2	1
135	High Microwave Magnetic Permeability of Composites with Submicron Iron Flakes. <i>Journal of Physics: Conference Series</i> , 2011 , 266, 012025	0.3	12
134	Resonancelike dispersion for W-type barium ferrite composites with c-axis anisotropy. <i>Journal of Applied Physics</i> , 2011 , 109, 033916	2.5	8
133	Percolative properties in ferroelectric-dielectric composite ceramics. <i>Applied Physics Letters</i> , 2010 , 97, 182903	3.4	12
132	Ultrabroad bandwidth and matching characteristics for spinel ferrite composites with flaky fillers. <i>Journal of Applied Physics</i> , 2010 , 108, 063927	2.5	9
131	Ultrabroad bandwidth of single-layer electromagnetic attenuation composites with flaky fillers. <i>Applied Physics Letters</i> , 2010 , 96, 092507	3.4	25
130	One-step synthesis of Ni _{0.23} Cu _{0.11} Zn _{0.66} Fe ₂ O ₄ ferrite nanowire arrays using a template method. <i>Journal of Alloys and Compounds</i> , 2010 , 501, 173-176	5.7	14
129	Tailoring the microstructure of mechanoactivated Al ₂ O ₃ and SiO ₂ mixtures with TiO ₂ addition. <i>Journal of Alloys and Compounds</i> , 2010 , 506, 777-783	5.7	17
128	Greatly Enhanced Permeability and Expanded Bandwidth for Spinel Ferrite Composites With Flaky Fillers. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2010 , 58, 2794-2799	4.1	4
127	In situ interlocking structure in gel-derived mullite matrix induced by mechanoactivated commercial mullite powders. <i>Scripta Materialia</i> , 2010 , 63, 1132-1135	5.6	13
126	Characterization of surface generation of optical microstructures using a pattern and feature parametric analysis method. <i>Precision Engineering</i> , 2010 , 34, 755-766	2.9	19
125	Electrically tunable dielectric materials and strategies to improve their performances. <i>Progress in Materials Science</i> , 2010 , 55, 840-893	42.2	211
124	Structural and magnetic properties of free-standing Ni _{0.23} Cu _{0.11} Zn _{0.66} Fe ₂ O ₄ thick films prepared using a modified tape-casting method. <i>Journal of Magnetism and Magnetic Materials</i> , 2010 , 322, 557-561	2.8	7
123	Microstructure and microwave permeability of FeCo thin films with Co underlayer. <i>Journal of Magnetism and Magnetic Materials</i> , 2010 , 322, 3223-3226	2.8	20
122	Greatly enhanced azimuthal permeability of a ferrite core with a wire coil metamaterial. <i>Applied Physics Letters</i> , 2009 , 94, 162502	3.4	3
121	Bandwidth limit of an ultrathin metamaterial screen. <i>Journal of Applied Physics</i> , 2009 , 106, 074908	2.5	15

120	Magnetodielectric Ni ferrite ceramics with Bi ₂ O ₃ additive for potential antenna miniaturizations. <i>Journal of Materials Research</i> , 2009 , 24, 324-332	2.5	9
119	Permeability and resonance characteristics of metamaterial constructed by a wire coil wound on a ferrite core. <i>Journal of Applied Physics</i> , 2009 , 106, 103929	2.5	6
118	Doping effect on microwave reflection characteristics for W-type ferrite/epoxy composites. <i>Journal Physics D: Applied Physics</i> , 2009 , 42, 095007	3	8
117	Mullitization behavior and microstructural development of B ₂ O ₃ /Al ₂ O ₃ /Bi ₂ O ₃ mixtures activated by high-energy ball milling. <i>Solid State Sciences</i> , 2009 , 11, 1333-1342	3.4	13
116	Transitional metal-doped 8 mol% yttria-stabilized zirconia electrolytes. <i>Solid State Ionics</i> , 2009 , 180, 1311-1317	3.4	40
115	Synergetic effect of NiO and SiO ₂ on the sintering and properties of 8mol% yttria-stabilized zirconia electrolytes. <i>Electrochimica Acta</i> , 2009 , 54, 927-934	6.7	12
114	Effect of Mn addition on the densification, grain growth and ionic conductivity of pure and SiO ₂ -containing 8YSZ electrolytes. <i>Solid State Ionics</i> , 2009 , 180, 82-89	3.3	23
113	High-frequency magnetic properties and attenuation characteristics for barium ferrite composites. <i>Journal of Magnetism and Magnetic Materials</i> , 2009 , 321, 734-737	2.8	9
112	High-Frequency Properties and Attenuation Characteristics of WBa Hexaferrite Composites With Doping of Various Oxides. <i>IEEE Transactions on Magnetics</i> , 2009 , 45, 670-677	2	19
111	Study of matching characteristics for Ni _{0.97} Zn _x Co _{0.03} Fe ₂ O ₄ spinel ferrites. <i>Journal of Applied Physics</i> , 2009 , 105, 113912	2.5	29
110	ANALYSIS AND DESIGN OF AN ULTRA-THIN METAMATERIAL ABSORBER. <i>Progress in Electromagnetics Research B</i> , 2009 , 14, 407-429	0.7	42
109	Microwave Reflection Characteristics of Co ₂ Z Barium Ferrite Composites With Various Volume Concentration. <i>IEEE Transactions on Magnetics</i> , 2008 , 44, 2255-2261	2	74
108	$\text{Mg}_{1-x}\text{Co}_x\text{Fe}_{1.98}\text{O}_4$ Ceramics With Promising Magnetodielectric Properties for Antenna Miniaturization. <i>IEEE Transactions on Magnetics</i> , 2008 , 44, 559-565	2	23
107	Development of magneto-dielectric materials based on Li-ferrite ceramics. <i>Journal of Alloys and Compounds</i> , 2008 , 459, 576-582	5.7	33
106	Development of magneto-dielectric materials based on Li-ferrite ceramics: I. Densification behavior and microstructure development. <i>Journal of Alloys and Compounds</i> , 2008 , 459, 557-566	5.7	58
105	Development of magneto-dielectric materials based on Li-ferrite ceramics. <i>Journal of Alloys and Compounds</i> , 2008 , 459, 567-575	5.7	77
104	Microwave Permeability of Ferromagnetic Microwires Composites/Metamaterials and Potential Applications. <i>IEEE Transactions on Magnetics</i> , 2008 , 44, 3119-3122	2	25
103	Tunable effective permittivity of carbon nanotube composites. <i>Applied Physics Letters</i> , 2008 , 93, 113106	3.4	24

102	Theoretical and experimental analysis of nano-surface generation in ultra-precision raster milling. <i>International Journal of Machine Tools and Manufacture</i> , 2008 , 48, 1090-1102	9.4	50
101	Progress in synthesis of ferroelectric ceramic materials via high-energy mechanochemical technique. <i>Progress in Materials Science</i> , 2008 , 53, 207-322	42.2	254
100	Ni _{1-x} CoxFe _{1.98} O ₄ Ferrite Ceramics with Promising Magneto-Dielectric Properties. <i>Journal of the American Ceramic Society</i> , 2008 , 91, 3937-3942	3.8	12
99	Electrical and magnetic properties of magnesium ferrite ceramics doped with Bi ₂ O ₃ . <i>Acta Materialia</i> , 2007 , 55, 6561-6572	8.4	64
98	Magneto-Dielectric Properties of Mg _{0.5} Ti _{0.5} O Ferrite Ceramics: II. Electrical, Dielectric, and Magnetic Properties. <i>Journal of the American Ceramic Society</i> , 2007 , 90, 2104-2112	3.8	70
97	Magneto-Dielectric Properties of Mg _{0.5} Ti _{0.5} O Ferrite Ceramics: I. Densification Behavior and Microstructure Development. <i>Journal of the American Ceramic Society</i> , 2007 , 90, 3106-3112	3.8	19
96	Anisotropic Grain Growth in Mullite Powders as a Result of High-energy Ball Milling. <i>Journal of the American Ceramic Society</i> , 2007 , 90, 070918221104001-???	3.8	
95	Frequency dependence of effective permittivity of carbon nanotube composites. <i>Journal of Applied Physics</i> , 2007 , 101, 094106	2.5	49
94	Ni-Zn Ferrites Composites With Almost Equal Values of Permeability and Permittivity for Low-Frequency Antenna Design. <i>IEEE Transactions on Magnetics</i> , 2007 , 43, 6-10	2	63
93	Mechanochemical synthesis of nano-sized Bi ₂ V _{0.9} Cu _{0.1} O _{5.35} powders. <i>Journal of Materials Research</i> , 2006 , 21, 71-74	2.5	5
92	Band-gap energies and structural properties of doped Ba _{0.5} Sr _{0.5} TiO ₃ thin films. <i>Journal of Applied Physics</i> , 2006 , 99, 014106	2.5	9
91	Structural and magnetic characterization of soft-magnetic FeCo alloy nanoparticles. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2006 , 150, 11-14	1.7	27
90	Different conduction behaviors of grain boundaries in SiO ₂ -containing 8YSZ and CGO ₂₀ electrolytes. <i>Solid State Ionics</i> , 2006 , 177, 1227-1235	3.3	46
89	Microstructural and dielectric studies of A-site calcium doped PbZr _{0.94} Ti _{0.06} O ₃ ceramics. <i>Journal of Electroceramics</i> , 2006 , 16, 343-346	1.5	8
88	Structural properties and dopant-modified bandgap energies of Ba _{0.5} Sr _{0.5} TiO ₃ thin films grown on LaAlO ₃ substrates. <i>Journal of Electroceramics</i> , 2006 , 16, 571-574	1.5	3
87	Conductivity drop and crystallites redistribution in gold film. <i>Applied Physics A: Materials Science and Processing</i> , 2005 , 80, 659-665	2.6	18
86	Spinel ferrite based composites with permeability and permittivity of almost equal values 2005 ,		2
85	The effect of ultra-thin Al ₂ O ₃ layers on the dielectric properties of LaAlO ₃ thin film on silicon. <i>Semiconductor Science and Technology</i> , 2004 , 19, 935-938	1.8	5

84	Improvement of dielectric loss tangent of Al ₂ O ₃ doped Ba _{0.5} Sr _{0.5} TiO ₃ thin films for tunable microwave devices. <i>Journal of Applied Physics</i> , 2004 , 95, 1416-1419	2.5	102
83	Ba _{0.5} Sr _{0.5} TiO ₃ Bi _{1.5} Zn _{1.0} Nb _{1.5} O ₇ composite thin films with promising microwave dielectric properties for microwave device applications. <i>Applied Physics Letters</i> , 2004 , 85, 3522-3524	3.4	19
82	Effect of SiO ₂ content on the ionic conductivity of Ce _{0.8} Gd _{0.2} O ₂ ceramics. <i>Journal of Materials Science</i> , 2004 , 39, 6371-6373	4.3	1
81	Iron oxide as an effective sintering aid and a grain boundary scavenger for ceria-based electrolytes. <i>Solid State Ionics</i> , 2004 , 167, 203-207	3.3	105
80	Aging behavior and ionic conductivity of ceria-based ceramics: a comparative study. <i>Solid State Ionics</i> , 2004 , 170, 209-217	3.3	122
79	Preparation and mechanical properties of dense Ce _{0.8} Gd _{0.2} O ₂ ceramics. <i>Solid State Ionics</i> , 2004 , 167, 191-196	3.3	70
78	Preparation and characterization of dense Ce _{0.85} Y _{0.15} O ₂ ceramics. <i>Journal of the European Ceramic Society</i> , 2004 , 24, 2641-2648	6	38
77	Ce _{0.8} Gd _{0.2} O ₂ ceramics derived from commercial submicron-sized CeO ₂ and Gd ₂ O ₃ powders for use as electrolytes in solid oxide fuel cells. <i>Journal of Power Sources</i> , 2004 , 132, 71-76	8.9	43
76	Effect of alkaline-earth oxides on phase formation and morphology development of mullite ceramics. <i>Ceramics International</i> , 2004 , 30, 1319-1323	5.1	35
75	Microstructural composite mullite derived from oxides via a high-energy ball milling process. <i>Ceramics International</i> , 2004 , 30, 1313-1317	5.1	23
74	Enhanced low field magnetoresistance of Al ₂ O ₃ -La _{0.7} Sr _{0.3} MnO ₃ composite thin films via a pulsed laser deposition. <i>Journal of Applied Physics</i> , 2004 , 96, 1568-1571	2.5	28
73	High-Temperature Aging Behavior of Gd-Doped Ceria. <i>Electrochemical and Solid-State Letters</i> , 2004 , 7, J13		15
72	High microwave permittivity of multiwalled carbon nanotube composites. <i>Applied Physics Letters</i> , 2004 , 84, 4956-4958	3.4	139
71	Mullite phase formation in oxide mixtures in the presence of Y ₂ O ₃ , La ₂ O ₃ and CeO ₂ . <i>Journal of Alloys and Compounds</i> , 2004 , 372, 290-299	5.7	46
70	Pulsed laser deposition and characterization of Bi _{3.25} Nd _{0.75} Ti ₃ O ₁₂ thin films buffered with La _{0.7} Sr _{0.3} MnO ₃ electrode. <i>Materials Letters</i> , 2004 , 58, 2953-2957	3.3	16
69	Amorphous (CeO ₂) _{0.67} (Al ₂ O ₃) _{0.33} high-k gate dielectric thin films on silicon. <i>Semiconductor Science and Technology</i> , 2003 , 18, L39-L41	1.8	5
68	Colloidal characterization and electrophoretic deposition of hydroxyapatite on titanium substrate. <i>Journal of Materials Science: Materials in Medicine</i> , 2003 , 14, 797-801	4.5	77
67	Sintering behavior and ionic conductivity of Ce _{0.8} Gd _{0.2} O _{1.9} with a small amount of MnO ₂ doping. <i>Journal of Solid State Electrochemistry</i> , 2003 , 7, 348-354	2.6	46

66	Preparation and electrical properties of dense submicron-grained Ce _{0.8} Gd _{0.2} O ₂ ceramics. <i>Journal of Materials Science Letters</i> , 2003 , 22, 1809-1811		3
65	The ferroelectric-antiferroelectric transition in Pb[Zr _{0.9} (Ce _x Ti _{1-x}) _{0.1}]O ₃ due to Ce ⁴⁺ doping. <i>Solid State Communications</i> , 2003 , 125, 297-300	1.6	8
64	Effect of transition metal oxides on mullite whisker formation from mechanochemically activated powders. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2003 , 359, 75-81	5.3	32
63	Final-stage sintering behavior of Fe-doped CeO ₂ . <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2003 , 103, 177-183	3.1	40
62	Anisotropic grain growth of mullite in high-energy ball milled powders doped with transition metal oxides. <i>Journal of the European Ceramic Society</i> , 2003 , 23, 2247-2256	6	42
61	Growth of mullite whiskers in mechanochemically activated oxides doped with WO ₃ . <i>Journal of the European Ceramic Society</i> , 2003 , 23, 2257-2264	6	31
60	Sinterability and ionic conductivity of coprecipitated Ce _{0.8} Gd _{0.2} O ₂ powders treated via a high-energy ball-milling process. <i>Journal of Power Sources</i> , 2003 , 124, 26-33	8.9	63
59	Anisotropic mullitization in CuO-doped oxide mixture activated by high-energy ball milling. <i>Materials Letters</i> , 2003 , 57, 3660-3666	3.3	5
58	Mullite phase formation and reaction sequences with the presence of pentoxides. <i>Journal of Alloys and Compounds</i> , 2003 , 351, 264-272	5.7	28
57	Some main group oxides on mullite phase formation and microstructure evolution. <i>Journal of Alloys and Compounds</i> , 2003 , 359, 292-299	5.7	20
56	Biomimetic processing of nanocrystallite bioactive apatite coating on titanium. <i>Nanotechnology</i> , 2003 , 14, 619-623	3.4	149
55	Role of oxygen pressure in growth of CeAlO _x thin films on Si by pulsed laser deposition. <i>Journal of Applied Physics</i> , 2003 , 94, 594-597	2.5	4
54	Translucent PMN and PMN-PT ceramics from high-energy ball milling derived powders. <i>Materials Research Bulletin</i> , 2002 , 37, 23-32	5.1	22
53	Rapid formation of lead magnesium niobate-based ferroelectric ceramics via a high-energy ball milling process. <i>Materials Research Bulletin</i> , 2002 , 37, 459-465	5.1	21
52	(1-x)PNZ-xBT ceramics derived from mechanochemically synthesized powders. <i>Materials Research Bulletin</i> , 2002 , 37, 1085-1092	5.1	4
51	Lead zinc niobate (PZN)-barium titanate (BT) ceramics from mechanochemically synthesized powders. <i>Materials Research Bulletin</i> , 2002 , 37, 2491-2498	5.1	4
50	Seeding in sol-gel process for Pb(Zr _{0.52} Ti _{0.48})O ₃ powder fabrication. <i>Materials Chemistry and Physics</i> , 2002 , 75, 225-228	4.4	12
49	Mullite Whiskers Derived from an Oxide Mixture Activated by a Mechanochemical Process. <i>Advanced Engineering Materials</i> , 2002 , 4, 490-494	3.5	17

48	Preparation of antiferroelectric lead zirconate titanate stannate ceramics by high-energy ball milling process. <i>Journal of Materials Science: Materials in Electronics</i> , 2002 , 13, 89-94	2.1	10
47	Phase formation lead zirconate titanate via a high-energy ball milling process. <i>Journal of Materials Science Letters</i> , 2002 , 21, 25-27		9
46	Nanosized hydroxyapatite powders derived from coprecipitation process. <i>Journal of Materials Science</i> , 2002 , 37, 1131-1134	4.3	83
45	Transparent PLZT8/65/35 ceramics from constituent oxides mechanically modified by high-energy ball milling. <i>Journal of Materials Science Letters</i> , 2002 , 21, 197-199		7
44	Transparent Lead Lanthanum Zirconate Titanate Ceramics Derived from Oxide Mixture Via a Repeated Annealing Process. <i>Journal of Materials Research</i> , 2002 , 17, 929-932	2.5	7
43	Lead Zirconate Titanate Thick Film Prepared by Electrophoretic Deposition from Oxide Mixture. <i>Journal of Materials Research</i> , 2002 , 17, 933-935	2.5	10
42	Biomimetic Processing Of Bioactive Apatite - Ceramic Composites. <i>Materials Technology</i> , 2002 , 17, 228-231		1
41	Phase formation and thermal stability of (Zr _{1-x} Ti _x)O ₂ solid solution via a high-energy ball milling process. <i>Journal of Alloys and Compounds</i> , 2002 , 335, 290-296	5.7	20
40	Preparation of PMNBT ceramics via a high-energy ball milling process. <i>Journal of Alloys and Compounds</i> , 2002 , 336, 242-246	5.7	44
39	Preparation of the solid solution Sn _{0.5} Ti _{0.5} O ₂ from an oxide mixture via a mechanochemical process. <i>Journal of Alloys and Compounds</i> , 2002 , 336, 315-319	5.7	22
38	Barium titanate derived from mechanochemically activated powders. <i>Journal of Alloys and Compounds</i> , 2002 , 337, 226-230	5.7	93
37	Fabrication and characterization of lead lanthanum zirconate titanate (PLZT7/60/40) ceramics from oxides. <i>Journal of Alloys and Compounds</i> , 2002 , 339, 167-174	5.7	16
36	Crystallization of magnesium niobate from mechanochemically derived amorphous phase. <i>Journal of Alloys and Compounds</i> , 2002 , 340, L1-L4	5.7	18
35	Effect of excess PbO on microstructure and electrical properties of PLZT7/60/40 ceramics derived from a high-energy ball milling process. <i>Journal of Alloys and Compounds</i> , 2002 , 345, 238-245	5.7	20
34	Zinc niobate derived from mechanochemically activated oxides. <i>Journal of Alloys and Compounds</i> , 2002 , 347, 308-313	5.7	26
33	Preparation and characterization of PLZT (8/65/35) ceramics via reaction sintering from ball milled powders. <i>Materials Letters</i> , 2002 , 52, 378-387	3.3	16
32	Possibility of one-step approach to 0.7PZN0.3BT multiple ceramics from component constituent oxides. <i>Materials Letters</i> , 2002 , 53, 205-210	3.3	3
31	Lead zirconate titanate ceramics achieved by reaction sintering of PbO and high-energy ball milled (ZrTi)O ₂ nanosized powders. <i>Materials Letters</i> , 2002 , 55, 370-377	3.3	18

30	PZT ceramics derived from hybrid method of sol-gel and solid-state reaction. <i>Materials Letters</i> , 2002 , 55, 388-393	3-3	12
29	Preparation and characterization of antiferroelectric PLZT2/95/5 thin films via a sol-gel process. <i>Materials Letters</i> , 2002 , 56, 30-37	3-3	25
28	MgAl ₂ O ₄ spinel phase derived from oxide mixture activated by a high-energy ball milling process. <i>Materials Letters</i> , 2002 , 56, 238-243	3-3	53
27	Low temperature formation of yttrium aluminum garnet from oxides via a high-energy ball milling process. <i>Materials Letters</i> , 2002 , 56, 344-348	3-3	34
26	Preparation of PMN powders and ceramics via a high-energy ball milling process. <i>Journal of Materials Science Letters</i> , 2001 , 20, 1241-1243		7
25	Preparation and characterization of translucent PLZT8/65/35 ceramics from nano-sized powders produced by a high-energy ball-milling process. <i>Materials Research Bulletin</i> , 2001 , 36, 1675-1685	5-1	19
24	Reaction sintering of partially reacted system for PZT ceramics via a high-energy ball milling. <i>Scripta Materialia</i> , 2001 , 44, 345-350	5-6	27
23	Pb(Zr _x Ti _{1-x})O ₃ ceramics via reactive sintering of partially reacted mixture produced by a high-energy ball milling process. <i>Journal of Materials Research</i> , 2001 , 16, 1636-1643	2-5	12
22	Preparation and characterization of lead zirconate ceramics from high-energy ball milled powder. <i>Materials Letters</i> , 2001 , 49, 96-101	3-3	13
21	Lead zirconate titanate ceramics derived from oxide mixture treated by a high-energy ball milling process. <i>Materials Letters</i> , 2001 , 50, 129-133	3-3	28
20	PZT ceramics formed directly from oxides via reactive sintering. <i>Materials Letters</i> , 2001 , 51, 95-100	3-3	56
19	Preparation of Bi ₄ Ti ₃ O ₁₂ ceramics via a high-energy ball milling process. <i>Materials Letters</i> , 2001 , 51, 108-114	3-3	87
18	Preparation and characterization of PLZT ceramics using high-energy ball milling. <i>Journal of Alloys and Compounds</i> , 2001 , 322, 290-297	5-7	39
17	Randomly oriented Bi ₄ Ti ₃ O ₁₂ thin films derived from a hybrid sol-gel process. <i>Thin Solid Films</i> , 2000 , 379, 89-93	2-2	23
16	Size effect and gas sensing characteristics of nanocrystalline xSnO ₂ -(1-x)Fe ₂ O ₃ ethanol sensors. <i>Sensors and Actuators B: Chemical</i> , 2000 , 65, 361-365	8-5	93
15	PbTiO ₃ ceramics derived from high-energy ball milled nano-sized powders. <i>Journal of Materials Science Letters</i> , 2000 , 19, 1963-1966		23
14	Preparation of crack-free antiferroelectric PbZrO ₃ thin films by a two-step annealing process. <i>Applied Physics Letters</i> , 2000 , 77, 2584-2586	3-4	11
13	Highly enhanced sinterability of commercial PZT powders by high-energy ball milling. <i>Materials Letters</i> , 2000 , 46, 274-280	3-3	21

12	Preparation and characterization of Pb(Zr _{0.52} Ti _{0.48})O ₃ ceramics from high-energy ball milling powders. <i>Materials Letters</i> , 2000 , 42, 232-239	3.3	110
11	Preparation and electric properties of La-doped-(Sr,Ba)TiO ₃ from sol-gel process. <i>Ferroelectrics</i> , 1999 , 234, 211-222	0.6	1
10	Phase transitions due to polar region structure in disordered ferroelectrics. <i>Journal of Materials Science</i> , 1999 , 34, 6143-6149	4.3	11
9	Direct formation of nano-sized PbTiO ₃ powders by high energy ball milling. <i>Ferroelectrics</i> , 1999 , 230, 281-286	0.6	22
8	Sol-gel Glass-coated Zinc Oxide for Varistor Applications. <i>Journal of Materials Science Letters</i> , 1998 , 17, 769-771		37
7	Structure-property relationships in lead zinc niobate based ferroelectric ceramics. <i>Journal of Applied Physics</i> , 1998 , 83, 1625-1630	2.5	17
6	TiO ₂ based varistors derived from powders prepared by a sol-gel process. <i>Materials Letters</i> , 1997 , 32, 5-8	3.3	5
5	Preparation and properties of a humidity sensor based on LiCl-doped porous silica. <i>Journal of Materials Science Letters</i> , 1997 , 16, 824-826		18
4	Nonlinear V-I property of Ag/BaTiO ₃ composite materials. <i>Science Bulletin</i> , 1997 , 42, 1046-1048		
3	Gas-sensing property and mechanism of Ca _x La _{1-x} FeO ₃ ceramics. <i>Sensors and Actuators B: Chemical</i> , 1996 , 30, 217-221	8.5	100
2	Study of the surface layer of lead titanate thin film by x-ray diffraction. <i>Solid State Communications</i> , 1995 , 93, 653-657	1.6	15
1	Chinese ink-facilitated fabrication of paper-based composites as electrodes for supercapacitors. <i>International Journal of Smart and Nano Materials</i> , 1-24	3.6	1