

Ling Bing Kong

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#	Paper	IF	Citations
3 ¹⁷	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
3 ¹⁶	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
3 ¹⁵	Transparent ceramics: Processing, materials and applications. <i>Progress in Solid State Chemistry</i> , 2013 , 41, 20-54	8	342
3 ¹⁴	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
3 ¹³	Recent progress in some composite materials and structures for specific electromagnetic applications. <i>International Materials Reviews</i> , 2013 , 58, 203-259	16.1	325
3 ¹²	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
3 ¹¹	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
3 ¹⁰	Carbon nanomaterials in tribology. <i>Carbon</i> , 2017 , 119, 150-171	10.4	223
3 ⁰⁹	Electrically tunable dielectric materials and strategies to improve their performances. <i>Progress in Materials Science</i> , 2010 , 55, 840-893	42.2	211
3 ⁰⁸	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
3 ⁰⁷	Molten-salt-mediated synthesis of SiC nanowires for microwave absorption applications. <i>CrystEngComm</i> , 2013 , 15, 570-576	3.3	156
3 ⁰⁶	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
3 ⁰⁵	Biomimetic processing of nanocrystallite bioactive apatite coating on titanium. <i>Nanotechnology</i> , 2003 , 14, 619-623	3.4	149
3 ⁰⁴	High microwave permittivity of multiwalled carbon nanotube composites. <i>Applied Physics Letters</i> , 2004 , 84, 4956-4958	3.4	139
3 ⁰³	Aging behavior and ionic conductivity of ceria-based ceramics: a comparative study. <i>Solid State Ionics</i> , 2004 , 170, 209-217	3.3	122
3 ⁰²	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
3 ⁰¹	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

300	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
299	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
298	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
297	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
296	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
295	Barium titanate derived from mechanochemically activated powders. <i>Journal of Alloys and Compounds</i> , 2002 , 337, 226-230	5.7	93
294	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
293	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
292	Materials development and potential applications of transparent ceramics: A review. <i>Materials Science and Engineering Reports</i> , 2020 , 139, 100518	30.9	89
291	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
290	Nickel Oxide as Efficient Hole Transport Materials for Perovskite Solar Cells. <i>Solar Rrl</i> , 2019 , 3, 1900001	7.1	85
289	Nanosized hydroxyapatite powders derived from coprecipitation process. <i>Journal of Materials Science</i> , 2002 , 37, 1131-1134	4.3	83
288	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
287	Recent development in nanocarbon materials for gas sensor applications. <i>Sensors and Actuators B: Chemical</i> , 2018 , 274, 235-267	8.5	80
286	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
285	Development of magneto-dielectric materials based on Li-ferrite ceramics. <i>Journal of Alloys and Compounds</i> , 2008 , 459, 567-575	5.7	77
284	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
283	Advances and challenges of nanostructured electrodes for LiSe batteries. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 10110-10126	13	75

282	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
281	Magneto-Dielectric Properties of Mg _{0.5} Co Ferrite Ceramics: II. Electrical, Dielectric, and Magnetic Properties. <i>Journal of the American Ceramic Society</i> , 2007 , 90, 2104-2112	3.8	70
280	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
279	Ultrasmall Fe ₃ O ₄ nanoparticles on MXenes with high microwave absorption performance. <i>Materials Letters</i> , 2018 , 229, 286-289	3.3	64
278	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
277	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
276	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
275	A monodisperse transmembrane helical peptide barrel. <i>Nature Chemistry</i> , 2017 , 9, 411-419	17.6	60
274	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
273	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
272	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
271	PZT ceramics formed directly from oxides via reactive sintering. <i>Materials Letters</i> , 2001 , 51, 95-100	3.3	56
270	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
269	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
268	Frequency dependence of effective permittivity of carbon nanotube composites. <i>Journal of Applied Physics</i> , 2007 , 101, 094106	2.5	49
267	Ni foam supported quasi-core-shell structure of ultrathin Ti ₃ C ₂ 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
266	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
265	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

264	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
263	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
262	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
261	Ce _{0.8} Gd _{0.2} O _{2-x} 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
260	ANALYSIS AND DESIGN OF AN ULTRA-THIN METAMATERIAL ABSORBER. <i>Progress in Electromagnetics Research B</i> , 2009 , 14, 407-429	0.7	42
259	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
258	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
257	Transitional metal-doped 8 mol% yttria-stabilized zirconia electrolytes. <i>Solid State Ionics</i> , 2009 , 180, 1311-1317	3.3	40
256	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
255	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
254	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
253	Preparation and characterization of dense Ce _{0.85} Y _{0.15} O _{2-x} ceramics. <i>Journal of the European Ceramic Society</i> , 2004 , 24, 2641-2648	6	38
252	Sol-gel Glass-coated Zinc Oxide for Varistor Applications. <i>Journal of Materials Science Letters</i> , 1998 , 17, 769-771		37
251	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
250	Embedded MoS ₂ -PANI nanocomposites with advanced microwave absorption performance. <i>Composites Science and Technology</i> , 2020 , 198, 108239	8.6	36
249	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
248	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
247	Waste Energy Harvesting. <i>Lecture Notes in Energy</i> , 2014 ,	0.4	35

246	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
245	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
244	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
243	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
242	Development of magneto-dielectric materials based on Li-ferrite ceramics. <i>Journal of Alloys and Compounds</i> , 2008 , 459, 576-582	5.7	33
241	Bamboo-like carbon nanotubes containing sulfur for high performance supercapacitors. <i>Electrochimica Acta</i> , 2016 , 191, 846-853	6.7	32
240	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
239	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
238	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
237	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
236	RELAXOR FERROELECTRIC MATERIALS FOR MICROWAVE TUNABLE APPLICATIONS. <i>Journal of Advanced Dielectrics</i> , 2012 , 02, 1230002	1.3	30
235	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
234	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
233	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
232	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
231	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
230	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
229	. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2011 , 53, 943-949	2	27

228	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
227	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
226	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
225	Hydrothermal synthesis of bamboo-shaped nanosheet KNb3O8 with enhanced photocatalytic activity. <i>Journal of Alloys and Compounds</i> , 2015 , 627, 117-122	5.7	26
224	Zinc niobate derived from mechanochemically activated oxides. <i>Journal of Alloys and Compounds</i> , 2002 , 347, 308-313	5.7	26
223	Rational design of hybrid porous nanotubes with robust structure of ultrafine Li4Ti5O12 nanoparticles embedded in bamboo-like CNTs for superior lithium ion storage. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 3342-3349	13	25
222	Electrodeposition of granular FeCoNi films with large permeability for microwave applications. <i>Journal of Materials Chemistry</i> , 2011 , 21, 16042		25
221	Ultrabroad bandwidth of single-layer electromagnetic attenuation composites with flaky fillers. <i>Applied Physics Letters</i> , 2010 , 96, 092507	3.4	25
220	Microwave Permeability of Ferromagnetic Microwires Composites/Metamaterials and Potential Applications. <i>IEEE Transactions on Magnetics</i> , 2008 , 44, 3119-3122	2	25
219	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
218	Chemical polyglycosylation and nanolitre detection enables single-molecule recapitulation of bacterial sugar export. <i>Nature Chemistry</i> , 2016 , 8, 461-9	17.6	25
217	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
216	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
215	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
214	Tunable effective permittivity of carbon nanotube composites. <i>Applied Physics Letters</i> , 2008 , 93, 113106	3.4	24
213	Enhanced Microwave Absorption Properties of Double-Layer Absorbers Based on Spherical NiO and Co0.2Ni0.4Zn0.4Fe2O4 Ferrite Composites. <i>Acta Metallurgica Sinica (English Letters)</i> , 2018 , 31, 171-179	2.5	23
212	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
211	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

210	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
209	$\text{Mg}_{1-x}\text{Co}_x\text{Fe}_{1.98}\text{O}_4$ Ceramics With Promising Magnetodielectric Properties for Antenna Miniaturization. <i>IEEE Transactions on Magnetics</i> , 2008 , 44, 559-565	2	23
208	Microstructural composite mullite derived from oxides via a high-energy ball milling process. <i>Ceramics International</i> , 2004 , 30, 1313-1317	5.1	23
207	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
206	PbTiO ₃ ceramics derived from high-energy ball milled nano-sized powders. <i>Journal of Materials Science Letters</i> , 2000 , 19, 1963-1966		23
205	Yb:Y ₂ O ₃ transparent ceramics processed with hot isostatic pressing. <i>Optical Materials</i> , 2017 , 71, 117-120		22
204	Fabrication and characterization of highly transparent Yb ³⁺ : Y ₂ O ₃ ceramics. <i>Optical Materials</i> , 2015 , 50, 21-24	3.3	22
203	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
202	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
201	Direct formation of nano-sized PbTiO ₃ powders by high energy ball milling. <i>Ferroelectrics</i> , 1999 , 230, 281-286	0.6	22
200	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
199	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
198	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
197	Highly enhanced sinterability of commercial PZT powders by high-energy ball milling. <i>Materials Letters</i> , 2000 , 46, 274-280	3.3	21
196	Understanding MXene-Based Symmetric Supercapacitors and Redox Electrolyte Energy Storage. <i>ACS Applied Energy Materials</i> , 2020 , 3, 5006-5014	6.1	20
195	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
194	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
193	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

192	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
191	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
190	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
189	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
188	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
187	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
186	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
185	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
184	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
183	Magneto-Dielectric Properties of Mg _{1-x} Ti _x O Ferrite Ceramics: I. Densification Behavior and Microstructure Development. <i>Journal of the American Ceramic Society</i> , 2007 , 90, 3106-3112	3.8	19
182	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
181	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
180	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
179	Phase Transformation of GeO Glass to Nanocrystals under Ambient Conditions. <i>Nano Letters</i> , 2018 , 18, 3290-3296	11.5	18
178	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
177	Conductivity drop and crystallites redistribution in gold film. <i>Applied Physics A: Materials Science and Processing</i> , 2005 , 80, 659-665	2.6	18
176	Crystallization of magnesium niobate from mechanochemically derived amorphous phase. <i>Journal of Alloys and Compounds</i> , 2002 , 340, L1-L4	5.7	18
175	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

174	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
173	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
172	Mullite Whiskers Derived from an Oxide Mixture Activated by a Mechanochemical Process. <i>Advanced Engineering Materials</i> , 2002 , 4, 490-494	3.5	17
171	Structure-property relationships in lead zinc niobate based ferroelectric ceramics. <i>Journal of Applied Physics</i> , 1998 , 83, 1625-1630	2.5	17
170	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
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