# Ling Bing Kong

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/375138/publications.pdf

Version: 2024-02-01

| | | 30047 | 30894 |
|---|---|---|---|
| 321 | 13,403 | 54 | 102 |
| papers | citations | h-index | g-index |

| | | | |
|---|---|---|---|
| 327 | 327 | 327 | 13505 |
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Recent progress in layered transition metal carbides and/or nitrides (MXenes) and their composites: synthesis and applications. Journal of Materials Chemistry A, 2017, 5, 3039-3068. | 5.2 | 625 |
| 2 | A comprehensive review on the progress of lead zirconate-based antiferroelectric materials. Progress in Materials Science, 2014, 63, 1-57. | 16.0 | 584 |
| 3 | Small magnetic Co-doped NiZn ferrite/graphene nanocomposites and their dual-region microwave absorption performance. Journal of Materials Chemistry C, 2016, 4, 9738-9749. | 2.7 | 497 |
| 4 | Transparent ceramics: Processing, materials and applications. Progress in Solid State Chemistry, 2013, 41, 20-54. | 3.9 | 473 |
| 5 | Recent progress in some composite materials and structures for specific electromagnetic applications. International Materials Reviews, 2013, 58, 203-259. | 9.4 | 406 |
| 6 | Facile Synthesis and Hierarchical Assembly of Flowerlike NiO Structures with Enhanced Dielectric and Microwave Absorption Properties. ACS Applied Materials & Interfaces, 2017, 9, 16404-16416. | 4.0 | 363 |
| 7 | Carbon nanomaterials in tribology. Carbon, 2017, 119, 150-171. | 5.4 | 329 |
| 8 | Progress in synthesis of ferroelectric ceramic materials via high-energy mechanochemical technique. Progress in Materials Science, 2008, 53, 207-322. | 16.0 | 293 |
| 9 | Facile synthesis of ultrasmall Fe3O4 nanoparticles on MXenes for high microwave absorption performance. Composites Part A: Applied Science and Manufacturing, 2018, 115, 371-382. | 3.8 | 271 |
| 10 | Recent progress in VO2 smart coatings: Strategies to improve the thermochromic properties. Progress in Materials Science, 2016, 81, 1-54. | 16.0 | 245 |
| 11 | Electrically tunable dielectric materials and strategies to improve their performances. Progress in Materials Science, 2010, 55, 840-893. | 16.0 | 236 |
| 12 | Materials development and potential applications of transparent ceramics: A review. Materials Science and Engineering Reports, 2020, 139, 100518. | 14.8 | 221 |
| 13 | Molten-salt-mediated synthesis of SiC nanowires for microwave absorption applications. CrystEngComm, 2013, 15, 570-576. | 1.3 | 182 |
| 14 | Biomimetic processing of nanocrystallite bioactive apatite coating on titanium. Nanotechnology, 2003, 14, 619-623. | 1.3 | 174 |
| 15 | Synthesis and application of iron-based nanomaterials as anodes of lithium-ion batteries and supercapacitors. Journal of Materials Chemistry A, 2018, 6, 9332-9367. | 5.2 | 159 |
| 16 | High microwave permittivity of multiwalled carbon nanotube composites. Applied Physics Letters, 2004, 84, 4956-4958. | 1.5 | 152 |
| 17 | Flexible and free-standing 2D titanium carbide film decorated with manganese oxide nanoparticles as a high volumetric capacity electrode for supercapacitor. Journal of Power Sources, 2017, 359, 332-339. | 4.0 | 152 |
| 18 | Nickel Oxide as Efficient Hole Transport Materials for Perovskite Solar Cells. Solar Rrl, 2019, 3, 1900001. | 3.1 | 151 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Aging behavior and ionic conductivity of ceria-based ceramics: a comparative study. Solid State Ionics, 2004, 170, 209-217. | 1.3 | 142 |
| 20 | Tuning ZnSe/CoSe in MOF-derived N-doped porous carbon/CNTs for high-performance lithium storage. Journal of Materials Chemistry A, 2018, 6, 15710-15717. | 5.2 | 137 |
| 21 | Preparation and characterization of Pb(Zr0.52Ti0.48)O3 ceramics from high-energy ball milling powders. Materials Letters, 2000, 42, 232-239. | 1.3 | 131 |
| 22 | Surface nitrogen-modified 2D titanium carbide (MXene) with high energy density for aqueous supercapacitor applications. Journal of Materials Chemistry A, 2019, 7, 5416-5425. | 5.2 | 130 |
| 23 | Recent development in nanocarbon materials for gas sensor applications. Sensors and Actuators B: Chemical, 2018, 274, 235-267. | 4.0 | 129 |
| 24 | Iron oxide as an effective sintering aid and a grain boundary scavenger for ceria-based electrolytes. Solid State Ionics, 2004, 167, 203-207. | 1.3 | 128 |
| 25 | Microwave absorption properties of double-layer absorbers based on Co0.2Ni0.4Zn0.4Fe2O4 ferrite and reduced graphene oxide composites. Journal of Alloys and Compounds, 2017, 701, 841-849. | 2.8 | 122 |
| 26 | Directly anchoring 2D NiCo metalâ€“organic frameworks on few-layer black phosphorus for advanced lithium-ion batteries. Journal of Materials Chemistry A, 2019, 7, 783-790. | 5.2 | 115 |
| 27 | Gas-sensing property and mechanism of CaxLa1â^'xFeO3 ceramics. Sensors and Actuators B: Chemical, 1996, 30, 217-221. | 4.0 | 109 |
| 28 | Improvement of dielectric loss tangent of Al2O3 doped Ba0.5Sr0.5TiO3 thin films for tunable microwave devices. Journal of Applied Physics, 2004, 95, 1416-1419. | 1.1 | 109 |
| 29 | Size effect and gas sensing characteristics of nanocrystalline xSnO2-(1â^'x)Î±-Fe2O3 ethanol sensors. Sensors and Actuators B: Chemical, 2000, 65, 361-365. | 4.0 | 106 |
| 30 | Barium titanate derived from mechanochemically activated powders. Journal of Alloys and Compounds, 2002, 337, 226-230. | 2.8 | 103 |
| 31 | Preparation of Bi4Ti3O12 ceramics via a high-energy ball milling process. Materials Letters, 2001, 51, 108-114. | 1.3 | 99 |
| 32 | Nanosized hydroxyapatite powders derived from coprecipitation process. Journal of Materials Science, 2002, 37, 1131-1134. | 1.7 | 99 |
| 33 | A monodisperse transmembrane Î±-helical peptide barrel. Nature Chemistry, 2017, 9, 411-419. | 6.6 | 97 |
| 34 | Advances and challenges of nanostructured electrodes for Liâ€“Se batteries. Journal of Materials Chemistry A, 2017, 5, 10110-10126. | 5.2 | 96 |
| 35 | Ultrasmall Fe3O4 nanoparticles on MXenes with high microwave absorption performance. Materials Letters, 2018, 229, 286-289. | 1.3 | 92 |
| 36 | Colloidal characterization and electrophoretic deposition of hydroxyapatite on titanium substrate. Journal of Materials Science: Materials in Medicine, 2003, 14, 797-801. | 1.7 | 87 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Magneto-Dielectric Properties of Mg?Cu?Co Ferrite Ceramics: II. Electrical, Dielectric, and Magnetic Properties. Journal of the American Ceramic Society, 2007, 90, 2104-2112. | 1.9 | 84 |
| 38 | Development of magneto-dielectric materials based on Li-ferrite ceramics. Journal of Alloys and Compounds, 2008, 459, 567-575. | 2.8 | 84 |
| 39 | Preparation and mechanical properties of dense Ce0.8Gd0.2O2â˜Î´ ceramics. Solid State Ionics, 2004, 167, 191-196. | 1.3 | 80 |
| 40 | Microwave Reflection Characteristics of Co$_{2}$Z Barium Ferrite Composites With Various Volume Concentration. IEEE Transactions on Magnetics, 2008, 44, 2255-2261. | 1.2 | 80 |
| 41 | Coal-Based Hierarchical Porous Carbon Synthesized with a Soluble Salt Self-Assembly-Assisted Method for High Performance Supercapacitors and Li-Ion Batteries. ACS Sustainable Chemistry and Engineering, 2018, 6, 3255-3263. | 3.2 | 80 |
| 42 | Ni-Zn Ferrites Composites With Almost Equal Values of Permeability and Permittivity for Low-Frequency Antenna Design. IEEE Transactions on Magnetics, 2007, 43, 6-10. | 1.2 | 77 |
| 43 | Electrical and magnetic properties of magnesium ferrite ceramics doped with Bi2O3. Acta Materialia, 2007, 55, 6561-6572. | 3.8 | 75 |
| 44 | Theoretical and experimental analysis of nano-surface generation in ultra-precision raster milling. International Journal of Machine Tools and Manufacture, 2008, 48, 1090-1102. | 6.2 | 73 |
| 45 | Embedded MoS2-PANI nanocomposites with advanced microwave absorption performance. Composites Science and Technology, 2020, 198, 108239. | 3.8 | 73 |
| 46 | Hydrothermal synthesis of polyhedral FeCo alloys with enhanced electromagnetic absorption performances. Journal of Alloys and Compounds, 2019, 794, 68-75. | 2.8 | 67 |
| 47 | Sinterability and ionic conductivity of coprecipitated Ce0.8Gd0.2O2â˜Î´ powders treated via a high-energy ball-milling process. Journal of Power Sources, 2003, 124, 26-33. | 4.0 | 66 |
| 48 | Development of magneto-dielectric materials based on Li-ferrite ceramics. Journal of Alloys and Compounds, 2008, 459, 557-566. | 2.8 | 65 |
| 49 | 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. Journal of Power Sources, 2017, 369, 78-86. | 4.0 | 65 |
| 50 | â€œDyedâ€•graphitic carbon nitride with greatly extended visible-light-responsive range for hydrogen evolution. Journal of Catalysis, 2016, 339, 93-101. | 3.1 | 64 |
| 51 | MgAl2O4 spinel phase derived from oxide mixture activated by a high-energy ball milling process. Materials Letters, 2002, 56, 238-243. | 1.3 | 63 |
| 52 | PZT ceramics formed directly from oxides via reactive sintering. Materials Letters, 2001, 51, 95-100. | 1.3 | 62 |
| 53 | An antibacterial vaccination strategy based on a glycoconjugate containing the core lipopolysaccharide tetrasaccharide Hep2Kdo2. Nature Chemistry, 2016, 8, 242-249. | 6.6 | 57 |
| 54 | Mullite phase formation in oxide mixtures in the presence of Y2O3, La2O3 and CeO2. Journal of Alloys and Compounds, 2004, 372, 290-299. | 2.8 | 56 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Solvothermal synthesis of Sb:SnO2 nanoparticles and IR shielding coating for smart window. Materials and Design, 2015, 88, 384-389. | 3.3 | 56 |
| 56 | Frequency dependence of effective permittivity of carbon nanotube composites. Journal of Applied Physics, 2007, 101, 094106. | 1.1 | 55 |
| 57 | Different conduction behaviors of grain boundaries in SiO2-containing 8YSZ and CGO20 electrolytes. Solid State Ionics, 2006, 177, 1227-1235. | 1.3 | 53 |
| 58 | ANALYSIS AND DESIGN OF AN ULTRA-THIN METAMATERIAL ABSORBER. Progress in Electromagnetics Research B, 2009, 14, 407-429. | 0.7 | 53 |
| 59 | Waste Energy Harvesting. Lecture Notes in Energy, 2014, , . | 0.2 | 52 |
| 60 | Sintering behavior and ionic conductivity of Ce0.8Gd0.2O1.9 with a small amount of MnO2 doping. Journal of Solid State Electrochemistry, 2003, 7, 348-354. | 1.2 | 51 |
| 61 | Dielectric Properties and Energy Storage Densities of Poly(vinylidenefluoride) Nanocomposite with Surface Hydroxylated Cube Shaped Ba0.6Sr0.4TiO3 Nanoparticles. Polymers, 2016, 8, 45. | 2.0 | 51 |
| 62 | Preparation and characterization of PLZT ceramics using high-energy ball milling. Journal of Alloys and Compounds, 2001, 322, 290-297. | 2.8 | 50 |
| 63 | Preparation of PMNâ€“PT ceramics via a high-energy ball milling process. Journal of Alloys and Compounds, 2002, 336, 242-246. | 2.8 | 50 |
| 64 | In2O3/Bi2Sn2O7 heterostructured nanoparticles with enhanced photocatalytic activity. Applied Surface Science, 2016, 387, 36-44. | 3.1 | 50 |
| 65 | Correlation Between Grain Sizes and Electrical Properties of <scp><scp>CaBi<sub>2</sub>Nb<sub>2</sub>O<sub>9</sub></scp></scp> Piezoelectric Ceramics. Journal of the American Ceramic Society, 2012, 95, 3514-3518. | 1.9 | 49 |
| 66 | Novel multilayer-like structure of Ti3C2Tx/CNZF composites for low-frequency electromagnetic absorption. Materials Letters, 2019, 248, 214-217. | 1.3 | 46 |
| 67 | Final-stage sintering behavior of Fe-doped CeO2. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2003, 103, 177-183. | 1.7 | 45 |
| 68 | Ce0.8Gd0.2O2â^'Î´ ceramics derived from commercial submicron-sized CeO2 and Gd2O3 powders for use as electrolytes in solid oxide fuel cells. Journal of Power Sources, 2004, 132, 71-76. | 4.0 | 45 |
| 69 | Transitional metal-doped 8Âmol% yttria-stabilized zirconia electrolytes. Solid State Ionics, 2009, 180, 1311-1317. | 1.3 | 45 |
| 70 | Enhanced microwave absorption properties of (1â^'x)CoFe2O4/xCoFe composites at multiple frequency bands. Journal of Magnetism and Magnetic Materials, 2020, 493, 165699. | 1.0 | 44 |
| 71 | Anisotropic grain growth of mullite in high-energy ball milled powders doped with transition metal oxides. Journal of the European Ceramic Society, 2003, 23, 2247-2256. | 2.8 | 43 |
| 72 | Growth of mullite whiskers in mechanochemically activated oxides doped with WO3. Journal of the European Ceramic Society, 2003, 23, 2257-2264. | 2.8 | 42 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Single-molecule interrogation of a bacterial sugar transporter allows the discovery of an extracellular inhibitor. Nature Chemistry, 2013, 5, 651-659. | 6.6 | 42 |
| 74 | Flexible MXeneâ€Based Composite Films: Synthesis, Modification, and Applications as Electrodes of Supercapacitors. Small, 2022, 18, . | 5.2 | 41 |
| 75 | Sol-gel Glass-coated Zinc Oxide for Varistor Applications. Journal of Materials Science Letters, 1998, 17, 769-771. | 0.5 | 40 |
| 76 | Preparation and characterization of dense Ce0.85Y0.15O2âˆ'Î´ ceramics. Journal of the European Ceramic Society, 2004, 24, 2641-2648. | 2.8 | 40 |
| 77 | Bamboo-like carbon nanotubes containing sulfur for high performance supercapacitors. Electrochimica Acta, 2016, 191, 846-853. | 2.6 | 40 |
| 78 | A theoretical and experimental investigation of orthogonal slow tool servo machining of wavy microstructured patterns on precision rollers. Precision Engineering, 2016, 43, 315-327. | 1.8 | 40 |
| 79 | Low temperature formation of yttrium aluminum garnet from oxides via a high-energy ball milling process. Materials Letters, 2002, 56, 344-348. | 1.3 | 39 |
| 80 | Understanding MXene-Based â€œSymmetricâ€•Supercapacitors and Redox Electrolyte Energy Storage. ACS Applied Energy Materials, 2020, 3, 5006-5014. | 2.5 | 38 |
| 81 | Effect of alkaline-earth oxides on phase formation and morphology development of mullite ceramics. Ceramics International, 2004, 30, 1319-1323. | 2.3 | 37 |
| 82 | Preparation of gâ€“C3N4â€“SnO2 composites for application as acetic acid sensor. Journal of Alloys and Compounds, 2020, 832, 153355. | 2.8 | 37 |
| 83 | Development of magneto-dielectric materials based on Li-ferrite ceramics. Journal of Alloys and Compounds, 2008, 459, 576-582. | 2.8 | 36 |
| 84 | Enhanced Microwave Absorption Properties of Double-Layer Absorbers Based on Spherical NiO and Co0.2Ni0.4Zn0.4Fe2O4 Ferrite Composites. Acta Metallurgica Sinica (English Letters), 2018, 31, 171-179. | 1.5 | 36 |
| 85 | Effect of transition metal oxides on mullite whisker formation from mechanochemically activated powders. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2003, 359, 75-81. | 2.6 | 35 |
| 86 | Phase Transformation of GeO<sub>2</sub> Glass to Nanocrystals under Ambient Conditions. Nano Letters, 2018, 18, 3290-3296. | 4.5 | 35 |
| 87 | Enhanced microwave magnetic and attenuation properties for Z-type barium ferrite composites with flaky fillers. Journal of Applied Physics, 2011, 110, . | 1.1 | 34 |
| 88 | RELAXOR FERROELECTRIC MATERIALS FOR MICROWAVE TUNABLE APPLICATIONS. Journal of Advanced Dielectrics, 2012, 02, 1230002. | 1.5 | 34 |
| 89 | Delamination strategy to achieve Ti3C2Tx/CNZF composites with tunable electromagnetic absorption. Materials Science in Semiconductor Processing, 2020, 112, 105008. | 1.9 | 34 |
| 90 | Characterization of Single- and Multiwalled Carbon Nanotube Composites for Electromagnetic Shielding and Tunable Applications. IEEE Transactions on Electromagnetic Compatibility, 2011, 53, 943-949. | 1.4 | 33 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Dielectric and magnetic properties of NiCuZn ferrite coated Sendust flakes through a solâ€“gel approach. Journal of Magnetism and Magnetic Materials, 2013, 331, 232-236. | 1.0 | 33 |
| 92 | First transparent oxide ion conducting ceramics synthesized by full crystallization from glass. Journal of Materials Chemistry A, 2018, 6, 5276-5289. | 5.2 | 33 |
| 93 | Lead zirconate titanate ceramics derived from oxide mixture treated by a high-energy ball milling process. Materials Letters, 2001, 50, 129-133. | 1.3 | 32 |
| 94 | Mullite phase formation and reaction sequences with the presence of pentoxides. Journal of Alloys and Compounds, 2003, 351, 264-272. | 2.8 | 32 |
| 95 | Tunable effective permittivity of carbon nanotube composites. Applied Physics Letters, 2008, 93, . | 1.5 | 32 |
| 96 | Microwave Permeability of Ferromagnetic Microwires Composites/Metamaterials and Potential Applications. IEEE Transactions on Magnetics, 2008, 44, 3119-3122. | 1.2 | 31 |
| 97 | Theoretical and experimental analysis of the effect of error motions on surface generation in fast tool servo machining. Precision Engineering, 2014, 38, 428-438. | 1.8 | 31 |
| 98 | Enhanced low field magnetoresistance of Al2O3-La0.7Sr0.3MnO3 composite thin films via a pulsed laser deposition. Journal of Applied Physics, 2004, 96, 1568-1571. | 1.1 | 30 |
| 99 | Structural and magnetic characterization of soft-magnetic FeCo alloy nanoparticles. Journal of Electron Spectroscopy and Related Phenomena, 2006, 150, 11-14. | 0.8 | 30 |
| 100 | Controllable-permittivity and high-tunability of Ba0.5Sr0.5TiO3/MgO based ceramics by composite configuration. Applied Physics Letters, 2013, 102, . | 1.5 | 30 |
| 101 | Fabrication of Bi<sub>2</sub>Sn<sub>2</sub>O<sub>7</sub>-ZnO heterostructures with enhanced photocatalytic activity. RSC Advances, 2015, 5, 27576-27583. | 1.7 | 30 |
| 102 | Yb:Y 2 O 3 transparent ceramics processed with hot isostatic pressing. Optical Materials, 2017, 71, 117-120. | 1.7 | 30 |
| 103 | Fabrication of Er:Y2O3 transparent ceramics for 2.7â€Î¼m mid-infrared solid-state lasers. Journal of the European Ceramic Society, 2020, 40, 444-448. | 2.8 | 30 |
| 104 | Study of matching characteristics for Ni0.97â^'xZnxCo0.03Fe2O4 spinel ferrites. Journal of Applied Physics, 2009, 105, . | 1.1 | 29 |
| 105 | Microstructural composite mullite derived from oxides via a high-energy ball milling process. Ceramics International, 2004, 30, 1313-1317. | 2.3 | 28 |
| 106 | $hbox{Mg}_{1-{m x}}hbox{Co}_{m x}hbox{Fe}_{1.98}hbox{O}_{4}$ Ceramics With Promising Magnetodielectric Properties for Antenna Miniaturization. IEEE Transactions on Magnetics, 2008, 44, 559-565. | 1.2 | 28 |
| 107 | Hydrothermal synthesis of bamboo-shaped nanosheet KNb3O8 with enhanced photocatalytic activity. Journal of Alloys and Compounds, 2015, 627, 117-122. | 2.8 | 28 |
| 108 | Fabrication and characterization of highly transparent Yb3+: Y2O3 ceramics. Optical Materials, 2015, 50, 21-24. | 1.7 | 28 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Reaction sintering of partially reacted system for PZT ceramics via a high-energy ball milling. Scripta Materialia, 2001, 44, 345-350. | 2.6 | 27 |
| 110 | Preparation and characterization of antiferroelectric PLZT2/95/5 thin films via a solâ€“gel process. Materials Letters, 2002, 56, 30-37. | 1.3 | 27 |
| 111 | Effect of Mn addition on the densification, grain growth and ionic conductivity of pure and SiO2-containing 8YSZ electrolytes. Solid State Ionics, 2009, 180, 82-89. | 1.3 | 27 |
| 112 | Ultrabroad bandwidth of single-layer electromagnetic attenuation composites with flaky fillers. Applied Physics Letters, 2010, 96, 092507. | 1.5 | 27 |
| 113 | Electrodeposition of granular FeCoNi films with large permeability for microwave applications. Journal of Materials Chemistry, 2011, 21, 16042. | 6.7 | 27 |
| 114 | Enhanced photoluminescence property of sulfate ions modified YAG:Ce3+ phosphor by co-precipitation method. Journal of Rare Earths, 2017, 35, 217-222. | 2.5 | 27 |
| 115 | Rational design of hybrid porous nanotubes with robust structure of ultrafine Li4Ti5O12 nanoparticles embedded in bamboo-like CNTs for superior lithium ion storage. Journal of Materials Chemistry A, 2018, 6, 3342-3349. | 5.2 | 27 |
| 116 | Pump laser induced photodarkening in ZrO2-doped Yb:Y2O3 laser ceramics. Journal of the European Ceramic Society, 2019, 39, 635-640. | 2.8 | 27 |
| 117 | Zinc niobate derived from mechanochemically activated oxides. Journal of Alloys and Compounds, 2002, 347, 308-313. | 2.8 | 26 |
| 118 | Microstructure and magnetic properties of Coâ€“Cu nanowire arrays fabricated by galvanic displacement deposition. Journal of Magnetism and Magnetic Materials, 2011, 323, 2674-2677. | 1.0 | 26 |
| 119 | High frequency properties of composite membrane with in-plane aligned Sendust flake prepared by infiltration method. Journal of Magnetism and Magnetic Materials, 2012, 324, 1786-1790. | 1.0 | 26 |
| 120 | Densification and microstructural evolution of yttria transparent ceramics: The effect of ball milling conditions. Journal of the European Ceramic Society, 2015, 35, 1011-1019. | 2.8 | 26 |
| 121 | Chemical polyglycosylation and nanolitre detection enables single-molecule recapitulation of bacterial sugar export. Nature Chemistry, 2016, 8, 461-469. | 6.6 | 26 |
| 122 | Hierarchical SnO2-Graphite Nanocomposite Anode for Lithium-Ion Batteries through High Energy Mechanical Activation. Electrochimica Acta, 2017, 248, 440-448. | 2.6 | 26 |
| 123 | Randomly oriented Bi4Ti3O12 thin films derived from a hybrid solâ€“gel process. Thin Solid Films, 2000, 379, 89-93. | 0.8 | 25 |
| 124 | PbTiO3 ceramics derived from high-energy ball milled nano-sized powders. Journal of Materials Science Letters, 2000, 19, 1963-1966. | 0.5 | 25 |
| 125 | Highly enhanced sinterability of commercial PZT powders by high-energy ball milling. Materials Letters, 2000, 46, 274-280. | 1.3 | 25 |
| 126 | Preparation of the solid solution Sn0.5Ti0.5O2 from an oxide mixture via a mechanochemical process. Journal of Alloys and Compounds, 2002, 336, 315-319. | 2.8 | 25 |

| # | Article | IF | Citations |
|---|---|---|---|
| 127 | Crystallization and Properties of Strontium Barium Niobate-Based Glassâ€“Ceramics for Energy-Storage Applications. Journal of Electronic Materials, 2015, 44, 227-234. | 1.0 | 25 |
| 128 | Hybrid porous bamboo-like CNTs embedding ultrasmall LiCrTiO<sub>4</sub> nanoparticles as high rate and long life anode materials for lithium ion batteries. Chemical Communications, 2017, 53, 1033-1036. | 2.2 | 25 |
| 129 | Facile synthesis of Laâ€doped cobalt ferrite@glucoseâ€based carbon composite as effective multiband microwave absorber. Journal of the American Ceramic Society, 2021, 104, 2191-2200. | 1.9 | 25 |
| 130 | Direct formation of nano-sized PbTiO3powders by high energy ball milling. Ferroelectrics, 1999, 230, 281-286. | 0.3 | 24 |
| 131 | Translucent PMN and PMN-PT ceramics from high-energy ball milling derived powders. Materials Research Bulletin, 2002, 37, 23-32. | 2.7 | 24 |
| 132 | Microstructure and microwave permeability of FeCo thin films with Co underlayer. Journal of Magnetism and Magnetic Materials, 2010, 322, 3223-3226. | 1.0 | 24 |
| 133 | Holmium doped yttria transparent ceramics for 2-Î¼m solid state lasers. Journal of the European Ceramic Society, 2018, 38, 1986-1989. | 2.8 | 24 |
| 134 | Preparation and properties of a humidity sensor based on LiCl-doped porous silica. Journal of Materials Science Letters, 1997, 16, 824-826. | 0.5 | 23 |
| 135 | Rapid formation of lead magnesium niobate-based ferroelectric ceramics via a high-energy ball milling process. Materials Research Bulletin, 2002, 37, 459-465. | 2.7 | 23 |
| 136 | Some main group oxides on mullite phase formation and microstructure evolution. Journal of Alloys and Compounds, 2003, 359, 292-299. | 2.8 | 23 |
| 137 | Densification behaviour and sintering mechanisms of Cu- or Co-doped SnO2: A comparative study. Acta Materialia, 2014, 62, 81-88. | 3.8 | 23 |
| 138 | Electrocaloric effect and energy-storage performance in grain-size-engineered PBLZT antiferroelectric thick films. Journal of Materials Science: Materials in Electronics, 2016, 27, 10309-10319. | 1.1 | 23 |
| 139 | Densification of Yttria Transparent Ceramics: The Utilization of Activated Sintering. Journal of the American Ceramic Society, 2016, 99, 1671-1675. | 1.9 | 23 |
| 140 | Pseudocapacitive Behaviors of Li<sub>2</sub>FeTiO<sub>4</sub>/C Hybrid Porous Nanotubes for Novel Lithium-Ion Battery Anodes with Superior Performances. ACS Applied Materials & Interfaces, 2018, 10, 20225-20230. | 4.0 | 23 |
| 141 | Phase formation and thermal stability of (Zr1â^'xTix)O2 solid solution via a high-energy ball milling process. Journal of Alloys and Compounds, 2002, 335, 290-296. | 2.8 | 22 |
| 142 | Lead zirconate titanate ceramics achieved by reaction sintering of PbO and high-energy ball milled (ZrTi)O2 nanosized powders. Materials Letters, 2002, 55, 370-377. | 1.3 | 22 |
| 143 | High-Frequency Properties and Attenuation Characteristics of WBa Hexaferrite Composites With Doping of Various Oxides. IEEE Transactions on Magnetics, 2009, 45, 670-677. | 1.2 | 22 |
| 144 | Characterization of surface generation of optical microstructures using a pattern and feature parametric analysis method. Precision Engineering, 2010, 34, 755-766. | 1.8 | 22 |

| # | Article | IF | Citations |
|---|---|---|---|
| 145 | ZnO/TiO2 nanohexagon arrays heterojunction photoanode for enhancing power conversion efficiency in dye-sensitized solar cells. Journal of Alloys and Compounds, 2016, 685, 610-618. | 2.8 | 22 |
| 146 | New double-sintering aid for fabrication of highly transparent ytterbium-doped yttria ceramics. Journal of the European Ceramic Society, 2016, 36, 253-256. | 2.8 | 22 |
| 147 | Hollow Fe3O4 microspheres/graphene composites with adjustable electromagnetic absorption properties. Diamond and Related Materials, 2019, 97, 107441. | 1.8 | 22 |
| 148 | Preparation and characterization of translucent PLZT8/65/35 ceramics from nano-sized powders produced by a high-energy ball-milling process. Materials Research Bulletin, 2001, 36, 1675-1685. | 2.7 | 21 |
| 149 | Effect of excess PbO on microstructure and electrical properties of PLZT7/60/40 ceramics derived from a high-energy ball milling process. Journal of Alloys and Compounds, 2002, 345, 238-245. | 2.8 | 21 |
| 150 | Dy<sup>3+</sup>/Ce<sup>3+</sup> Codoped <scp>YAG</scp> Transparent Ceramics for Singleâ€Composition Tunable Whiteâ€Light Phosphor. Journal of the American Ceramic Society, 2015, 98, 3231-3235. | 1.9 | 21 |
| 151 | Submicronâ€grained Yb:Lu<sub>2</sub>O<sub>3</sub> transparent ceramics with lasing quality. Journal of the American Ceramic Society, 2019, 102, 2587-2592. | 1.9 | 21 |
| 152 | Purification and dissociation of raw palygorskite through wet ball milling as a carrier to enhance the microwave absorption performance of Fe3O4. Applied Clay Science, 2021, 200, 105915. | 2.6 | 21 |
| 153 | Crystallization of magnesium niobate from mechanochemically derived amorphous phase. Journal of Alloys and Compounds, 2002, 340, L1-L4. | 2.8 | 20 |
| 154 | Magneto-Dielectric Properties of Mg?Cu?Co Ferrite Ceramics: I. Densification Behavior and Microstructure Development. Journal of the American Ceramic Society, 2007, 90, 3106-3112. | 1.9 | 20 |
| 155 | Investigation of ferroelectric phase transition for barium strontium titanate ceramics by in situ Raman scattering. Journal of Applied Physics, 2012, 112, 124112. | 1.1 | 20 |
| 156 | Enhanced electrocaloric effect and energy-storage performance in PBLZT films with various Ba2+ content. Ceramics International, 2016, 42, 16439-16447. | 2.3 | 20 |
| 157 | Thickness-dependent electrocaloric effect of Pb0.82Ba0.08La0.10(Zr0.90Ti0.10)O3 antiferroelectric thick films. Journal of Alloys and Compounds, 2017, 690, 131-138. | 2.8 | 20 |
| 158 | Dispersed spherical shell-shaped palygorskite/carbon/polyaniline composites with advanced microwave absorption performances. Powder Technology, 2021, 387, 277-286. | 2.1 | 20 |
| 159 | Structure-property relationships in lead zinc niobate based ferroelectric ceramics. Journal of Applied Physics, 1998, 83, 1625-1630. | 1.1 | 19 |
| 160 | Preparation and characterization of PLZT (8/65/35) ceramics via reaction sintering from ball milled powders. Materials Letters, 2002, 52, 378-387. | 1.3 | 19 |
| 161 | Ba0.5Sr0.5TiO3â€“Bi1.5Zn1.0Nb1.5O7 composite thin films with promising microwave dielectric properties for microwave device applications. Applied Physics Letters, 2004, 85, 3522-3524. | 1.5 | 19 |
| 162 | Mullite Whiskers Derived from an Oxide Mixture Activated by a Mechanochemical Process. Advanced Engineering Materials, 2002, 4, 490-494. | 1.6 | 18 |

| # | Article | IF | Citations |
|---|---|---|---|
| 163 | Conductivity drop and crystallites redistribution in gold film. Applied Physics A: Materials Science and Processing, 2005, 80, 659-665. | 1.1 | 18 |
| 164 | Bandwidth limit of an ultrathin metamaterial screen. Journal of Applied Physics, 2009, 106, 074908. | 1.1 | 18 |
| 165 | Tailoring the microstructure of mechanoactivated Al2O3 and SiO2 mixtures with TiO2 addition. Journal of Alloys and Compounds, 2010, 506, 777-783. | 2.8 | 18 |
| 166 | Densification of zirconia doped yttria transparent ceramics using co-precipitated powders. Ceramics International, 2016, 42, 10770-10778. | 2.3 | 18 |
| 167 | One-step preparation of environment-oriented magnetic coal-based activated carbon with high adsorption and magnetic separation performance. Journal of Magnetism and Magnetic Materials, 2021, 521, 167517. | 1.0 | 18 |
| 168 | Synergetic effect of NiO and SiO2 on the sintering and properties of 8mol% yttria-stabilized zirconia electrolytes. Electrochimica Acta, 2009, 54, 927-934. | 2.6 | 17 |
| 169 | Investigation on the surface modification of TiO2 nanohexagon arrays based photoanode with SnO2 nanoparticles for highly-efficient dye-sensitized solar cells. Materials Research Bulletin, 2019, 109, 21-28. | 2.7 | 17 |
| 170 | Broadband electromagnetic absorption of Ti<sub>3</sub>C<sub>2</sub>T<sub>x</sub> MXene/WS<sub>2</sub> composite via constructing twoâ€dimensional heterostructure. Journal of the American Ceramic Society, 2021, 104, 5537-5546. | 1.9 | 17 |
| 171 | Pb(Zr<sub>x</sub>Ti<sub>1â^'x</sub>)O<sub>3</sub> ceramics via reactive sintering of partially reacted mixture produced by a high-energy ball milling process. Journal of Materials Research, 2001, 16, 1636-1643. | 1.2 | 16 |
| 172 | Fabrication and characterization of lead lanthanum zirconate titanate (PLZT7/60/40) ceramics from oxides. Journal of Alloys and Compounds, 2002, 339, 167-174. | 2.8 | 16 |
| 173 | Pulsed laser deposition and characterization of Bi3.25Nd0.75Ti3O12 thin films buffered with La0.7Sr0.3MnO3 electrode. Materials Letters, 2004, 58, 2953-2957. | 1.3 | 16 |
| 174 | High-frequency magnetic properties at K and Ka bands for barium-ferrite/silicone composites. Journal of Magnetism and Magnetic Materials, 2013, 325, 82-86. | 1.0 | 16 |
| 175 | In-situ synthesis of layered porous coal-derived carbon/Ni magnetic composites with promising microwave absorption performance. Journal of Magnetism and Magnetic Materials, 2020, 513, 167231. | 1.0 | 16 |
| 176 | Study of the surface layer of lead titanate thin film by x-ray diffraction. Solid State Communications, 1995, 93, 653-657. | 0.9 | 15 |
| 177 | High-Temperature Aging Behavior of Gd-Doped Ceria. Electrochemical and Solid-State Letters, 2004, 7, J13. | 2.2 | 15 |
| 178 | Anisotropic surface strain in single crystalline cobalt nanowires and its impact on the diameter-dependent Young's modulus. Nanoscale, 2013, 5, 11643. | 2.8 | 15 |
| 179 | Low-level sintering aids for highly transparent Yb:Y2O3 ceramics. Journal of Alloys and Compounds, 2017, 695, 1414-1419. | 2.8 | 15 |
| 180 | Effect of sputtering power on structure and properties of ZTO films. Journal of Alloys and Compounds, 2021, 883, 160622. | 2.8 | 15 |

| # | Article | IF | Citations |
|---|---|---|---|
| 181 | MXene/CoS heterostructures self-assembled through electrostatic interaction as superior microwave absorber. Journal of Alloys and Compounds, 2022, 900, 163452. | 2.8 | 15 |
| 182 | Preparation and characterization of lead zirconate ceramics from high-energy ball milled powder. Materials Letters, 2001, 49, 96-101. | 1.3 | 14 |
| 183 | Mullitization behavior and microstructural development of B2O3â€“Al2O3â€“SiO2 mixtures activated by high-energy ball milling. Solid State Sciences, 2009, 11, 1333-1342. | 1.5 | 14 |
| 184 | One-step synthesis of Ni0.23Cu0.11Zn0.66Fe2O4 ferrite nanowire arrays using a template method. Journal of Alloys and Compounds, 2010, 501, 173-176. | 2.8 | 14 |
| 185 | Controlled Synthesis of Amine-Capped Î³-Fe2O3 Nanoparticles by a One-Step Process. Industrial & Engineering Chemistry Research, 2013, 52, 7713-7717. | 1.8 | 14 |
| 186 | Chinese ink-facilitated fabrication of carbon nanotube/polyvinyl alcohol composite sheets with a high nanotube loading. Composites Part A: Applied Science and Manufacturing, 2014, 61, 209-215. | 3.8 | 14 |
| 187 | Confined formation of monoclinic Na<sub>4</sub>Ti<sub>5</sub>O<sub>12</sub> nanoparticles embedded into porous CNTs: towards enhanced electrochemical performances for sodium ion batteries. New Journal of Chemistry, 2018, 42, 19340-19343. | 1.4 | 14 |
| 188 | Waste Mechanical Energy Harvesting (I): Piezoelectric Effect. Lecture Notes in Energy, 2014, , 19-133. | 0.2 | 14 |
| 189 | Phase transitions due to polar region structure in disordered ferroelectrics. Journal of Materials Science, 1999, 34, 6143-6149. | 1.7 | 13 |
| 190 | PZT ceramics derived from hybrid method of sol-gel and solid-state reaction. Materials Letters, 2002, 55, 388-393. | 1.3 | 13 |
| 191 | Ni<sub>1â^'x</sub>Co<sub>x</sub>Fe<sub>1.98</sub>O<sub>4</sub> Ferrite Ceramics with Promising Magnetoâ€Dielectric Properties. Journal of the American Ceramic Society, 2008, 91, 3937-3942. | 1.9 | 13 |
| 192 | In situ interlocking structure in gel-derived mullite matrix induced by mechanoactivated commercial mullite powders. Scripta Materialia, 2010, 63, 1132-1135. | 2.6 | 13 |
| 193 | Enhanced microwave magnetic and attenuation properties of composites with free-standing spinel ferrite thick films as fillers. Journal of Magnetism and Magnetic Materials, 2012, 324, 3144-3148. | 1.0 | 13 |
| 194 | Crystallization behavior, structure and properties of glasses in SrOâ€“Fe2O3â€“P2O5 system. Journal of Non-Crystalline Solids, 2019, 523, 119588. | 1.5 | 13 |
| 195 | Laser powder bed fusion of Mo2C/Ti-6Al-4V composites with alternately laminated Î±â€²/Î² phases for enhanced mechanical properties. Additive Manufacturing, 2021, 46, 102134. | 1.7 | 13 |
| 196 | Preparation of crack-free antiferroelectric PbZrO3 thin films by a two-step annealing process. Applied Physics Letters, 2000, 77, 2584-2586. | 1.5 | 12 |
| 197 | Seeding in solâ€“gel process for Pb(Zr0.52Ti0.48)O3 powder fabrication. Materials Chemistry and Physics, 2002, 75, 225-228. | 2.0 | 12 |
| 198 | Title is missing!. Journal of Materials Science: Materials in Electronics, 2002, 13, 89-94. | 1.1 | 12 |

| # | Article | IF | Citations |
|---|---|---|---|
| 199 | High-frequency magnetic properties and attenuation characteristics for barium ferrite composites. Journal of Magnetism and Magnetic Materials, 2009, 321, 734-737. | 1.0 | 12 |
| 200 | Percolative properties in ferroelectric-dielectric composite ceramics. Applied Physics Letters, 2010, 97, . | 1.5 | 12 |
| 201 | High Microwave Magnetic Permeability of Composites with Submicron Iron Flakes. Journal of Physics: Conference Series, 2011, 266, 012025. | 0.3 | 12 |
| 202 | A bidirectional curve network based sampling method for enhancing the performance in measuring ultra-precision freeform surfaces. Precision Engineering, 2013, 37, 345-352. | 1.8 | 12 |
| 203 | Transparent Ceramic Materials. Topics in Mining, Metallurgy and Materials Engineering, 2015, , 29-91. | 1.4 | 12 |
| 204 | Low temperature sintered magneto-dielectric ferrite ceramics with near net-shape derived from high-energy milled powders. Journal of Alloys and Compounds, 2018, 751, 28-33. | 2.8 | 12 |
| 205 | Double-layer absorbers based on hierarchical MXene composites for microwave absorption through optimal combination. Journal of Materials Research, 2020, 35, 1481-1491. | 1.2 | 12 |
| 206 | Self-reducing coal-derived carbon/Ni3Fe magnetic composites with frequency-dependent microwave absorption performance. Advanced Powder Technology, 2021, 32, 885-894. | 2.0 | 12 |
| 207 | Green and scalable preparation of disproportionated SiO anode materials with cocoon-like buffer layer. Journal of Power Sources, 2020, 466, 228234. | 4.0 | 12 |
| 208 | Rhombic dodecahedron Ceâ€“Co/C composites with porous hollow structure for efficient electromagnetic wave absorption. Journal of Alloys and Compounds, 2022, 919, 165866. | 2.8 | 12 |
| 209 | Rapid Rate Sintering of Yttria Transparent Ceramics. Journal of the American Ceramic Society, 2016, 99, 1935-1942. | 1.9 | 11 |
| 210 | Alkyl ethoxylate assisted liquid phase exfoliation of BN nanosheet and its application as interphase for oxide/oxide composites. Ceramics International, 2018, 44, 21461-21469. | 2.3 | 11 |
| 211 | Preparation of coral-like palygorskite-dispersed Fe3O4/polyaniline with improved electromagnetic absorption performance. Applied Clay Science, 2021, 204, 106009. | 2.6 | 11 |
| 212 | Lead Zirconate Titanate Thick Film Prepared by Electrophoretic Deposition from Oxide Mixture. Journal of Materials Research, 2002, 17, 933-935. | 1.2 | 10 |
| 213 | Phase formation lead zirconate titanate via a high-energy ball milling process. Journal of Materials Science Letters, 2002, 21, 25-27. | 0.5 | 10 |
| 214 | Band-gap energies and structural properties of doped Ba0.5Sr0.5TiO3 thin films. Journal of Applied Physics, 2006, 99, 014106. | 1.1 | 10 |
| 215 | Magnetodielectric Ni ferrite ceramics with Bi<sub>2</sub>O<sub>3</sub> additive for potential antenna miniaturizations. Journal of Materials Research, 2009, 24, 324-332. | 1.2 | 10 |
| 216 | Yttria nanopowders with low degree of aggregation by a spray precipitation method. Ceramics International, 2018, 44, 20472-20477. | 2.3 | 10 |

| # | Article | IF | Citations |
|---|---|---|---|
| 217 | An overview on transparent ceramics with pyrochlore and fluorite structures. Journal of Advanced Dielectrics, 2020, 10, 2030001. | 1.5 | 10 |
| 218 | Preparation and characterization of nanocomposites of MoS2 nanoflowers and palygorskite nanofibers as lightweight microwave absorbers. Applied Clay Science, 2021, 211, 106169. | 2.6 | 10 |
| 219 | Enhanced microwave absorption performance of nitrogen-doped porous carbon dodecahedrons composite embedded with ceric dioxide. Advanced Powder Technology, 2022, 33, 103527. | 2.0 | 10 |
| 220 | Preparation of PMN powders and ceramics via a high-energy ball milling process. Journal of Materials Science Letters, 2001, 20, 1241-1243. | 0.5 | 9 |
| 221 | Ultrabroad bandwidth and matching characteristics for spinel ferrite composites with flaky fillers. Journal of Applied Physics, 2010, 108, 063927. | 1.1 | 9 |
| 222 | Resonancelike dispersion for W-type barium ferrite composites with c-axis anisotropy. Journal of Applied Physics, 2011, 109, 033916. | 1.1 | 9 |
| 223 | Modeâ€locked Yb:LuAG ceramics laser. Physica Status Solidi C: Current Topics in Solid State Physics, 2013, 10, 967-968. | 0.8 | 9 |
| 224 | Fabrication and stability of opened-end TiO2 nanotube arrays based dye-sensitized solar cells. Ceramics International, 2015, 41, S719-S724. | 2.3 | 9 |
| 225 | Bismuth lanthanum titanate ceramics from amorphous precursors activated by using mechanochemical treatment. Ceramics International, 2018, 44, 13106-13112. | 2.3 | 9 |
| 226 | Sintering and electrical properties of commercial PZT powders modified through mechanochemical activation. Journal of Materials Science, 2018, 53, 13769-13778. | 1.7 | 9 |
| 227 | Effect of Bi2O3 on phase formation and microstructure evolution of mullite ceramics from mechanochemically activated oxide mixtures. Ceramics International, 2018, 44, 13841-13847. | 2.3 | 9 |
| 228 | NiCo alloy/C nanocomposites derived from a Ni-doped ZIF-67 for lightweight microwave absorbers. Nanotechnology, 2021, 32, 385602. | 1.3 | 9 |
| 229 | Novel composites with a cross-linked polyaniline shell and oriented palygorskite as ideal microwave absorbers. New Journal of Chemistry, 2021, 45, 2765-2774. | 1.4 | 9 |
| 230 | The ferroelectricâ€“antiferroelectric transition in Pb[Zr0.9(CexTi1â^'x)0.1]O3 due to Ce4+ doping. Solid State Communications, 2003, 125, 297-300. | 0.9 | 8 |
| 231 | Microstructural and dielectric studies of A-site calcium doped PbZr0.94Ti0.06O3 ceramics. Journal of Electroceramics, 2006, 16, 343-346. | 0.8 | 8 |
| 232 | Doping effect on microwave reflection characteristics for W-type ferrite/epoxy composites. Journal Physics D: Applied Physics, 2009, 42, 095007. | 1.3 | 8 |
| 233 | Structural and magnetic properties of free-standing Ni0.23Cu0.11Zn0.66Fe2O4 thick films prepared using a modified tape-casting method. Journal of Magnetism and Magnetic Materials, 2010, 322, 557-561. | 1.0 | 8 |
| 234 | NiCuZn ferrite flakes prepared using a solâ€“gel bubble method and its magnetic properties. Journal of Alloys and Compounds, 2011, 509, 3038-3041. | 2.8 | 8 |

| # | Article | IF | Citations |
|---|---|---|---|
| 235 | Microwave tunable dielectric properties of multilayer CNT membranes for smart applications. Applied Physics A: Materials Science and Processing, 2012, 108, 843-848. | 1.1 | 8 |
| 236 | Origin of the boosted exciton separation at fullerene molecule modified poly(3-hexylthiophene)/ZnO interfaces. RSC Advances, 2013, 3, 17904. | 1.7 | 8 |
| 237 | Ordered crystalline TiO2 nanohexagon arrays for improving conversion efficiency of dye-sensitized solar cells. Journal of Alloys and Compounds, 2015, 646, 106-111. | 2.8 | 8 |
| 238 | MXenes and MXenes-based Composites. Engineering Materials, 2020, , . | 0.3 | 8 |
| 239 | Hydrothermal synthesis of star-shaped Bi5O7Br catalysts with strong visible light catalytic performance. Journal of Materials Research, 2021, 36, 628-636. | 1.2 | 8 |
| 240 | Effects of zirconium source and content on zirconia crystal form, microstructure and mechanical properties of ZTM ceramics. Ceramics International, 2021, 47, 19914-19922. | 2.3 | 8 |
| 241 | Transparent Lead Lanthanum Zirconate Titanate Ceramics Derived from Oxide Mixture Via a Repeated Annealing Process. Journal of Materials Research, 2002, 17, 929-932. | 1.2 | 7 |
| 242 | Title is missing!. Journal of Materials Science Letters, 2002, 21, 197-199. | 0.5 | 7 |
| 243 | New Insights into the Electronic Structure and Photoelectrochemical Properties of Nitrogen-Doped HNb3O8 via a Combined in Situ Experimental and DFT Investigation. ACS Applied Materials & Interfaces, 2017, 9, 42751-42760. | 4.0 | 7 |
| 244 | Anchoring 1D nanochain-like Co<sub>3</sub>O<sub>4</sub> on a 2D layered Ti<sub>3</sub>C<sub>2</sub>T<sub>x</sub> MXene with outstanding electromagnetic absorption. New Journal of Chemistry, 2022, 46, 14626-14634. | 1.4 | 7 |
| 245 | Permeability and resonance characteristics of metamaterial constructed by a wire coil wound on a ferrite core. Journal of Applied Physics, 2009, 106, . | 1.1 | 6 |
| 246 | High-frequency Properties and Electromagnetic Wave Attenuation for Hexaferrite Composites. Procedia Engineering, 2014, 75, 19-23. | 1.2 | 6 |
| 247 | Enhancing the performance of poly(3-hexylthiophene)/ZnO nanorod arrays based hybrid solar cells through incorporation of a third component. Science China: Physics, Mechanics and Astronomy, 2014, 57, 1289-1298. | 2.0 | 6 |
| 248 | Facile synthesis and enhanced microwave absorption properties of anthracite-based carbon/Ni<sub>3</sub>Fe/NiO ternary composites. New Journal of Chemistry, 2020, 44, 13962-13970. | 1.4 | 6 |
| 249 | Investigation on the wear resistance and mechanical properties of Al/Ti3SiC2 composites fabricated by the spark plasma sintering. Materials Today Communications, 2021, 27, 102270. | 0.9 | 6 |
| 250 | Coal-based carbon/FeCo magnetic composites with layered stripes as novel light-weight microwave absorber. Diamond and Related Materials, 2021, 120, 108685. | 1.8 | 6 |
| 251 | Preparation and characterization of glassy waste forms based on SrF2-Fe2O3-PbO/Bi2O3-P2O5 system. Journal of Non-Crystalline Solids, 2022, 581, 121303. | 1.5 | 6 |
| 252 | TiO2 based varistors derived from powders prepared by a sol-gel process. Materials Letters, 1997, 32, 5-8. | 1.3 | 5 |

| # | Article | IF | Citations |
|---|---|---|---|
| 253 | (1 â^' x)PNZâ€“xBT ceramics derived from mechanochemically synthesized powders. Materials Research Bulletin, 2002, 37, 1085-1092. | 2.7 | 5 |
| 254 | Anisotropic mullitization in CuO-doped oxide mixture activated by high-energy ball milling. Materials Letters, 2003, 57, 3660-3666. | 1.3 | 5 |
| 255 | Amorphous (CeO2)0.67(Al2O3)0.33high-kgate dielectric thin films on silicon. Semiconductor Science and Technology, 2003, 18, L39-L41. | 1.0 | 5 |
| 256 | The effect of ultra-thin Al2O3layers on the dielectric properties of LaAlO3thin film on silicon. Semiconductor Science and Technology, 2004, 19, 935-938. | 1.0 | 5 |
| 257 | Mechanochemical synthesis of nano-sized Bi2V0.9Cu0.1O5.35 powders. Journal of Materials Research, 2006, 21, 71-74. | 1.2 | 5 |
| 258 | Greatly Enhanced Permeability and Expanded Bandwidth for Spinel Ferrite Composites With Flaky Fillers. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 2794-2799. | 2.9 | 5 |
| 259 | REVISIT TO DIELECTRIC PROPERTIES OF FERRITE CERAMICS. Journal of Advanced Dielectrics, 2012, 02, 1230010. | 1.5 | 5 |
| 260 | Effect of Ti substitution on spin reorientation for <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0029.gif" overflow="scroll"><mml:msub><mml:mrow><mml:mi>Ba</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></mml:mrow></r Journal of Magnetism and Magnetic Materials, 2012, 324, 2795-2799. | 1.0 | 5 |
| 261 | Waste Thermal Energy Harvesting (I): Thermoelectric Effect. Lecture Notes in Energy, 2014, , 263-403. | 0.2 | 5 |
| 262 | Effects of ZnS layer on the performance improvement of the photosensitive ZnO nanowire arrays solar cells. Materials Chemistry and Physics, 2016, 178, 139-148. | 2.0 | 5 |
| 263 | Theory of ferrimagnetism and ferrimagnetic metal oxides. , 2018, , 287-311. | | 5 |
| 264 | Phase formation and microstructure evolution in mullite ceramics synthesized from mechanochemically activated oxide powders doped with Cr2O3. Journal of Physics and Chemistry of Solids, 2018, 123, 198-205. | 1.9 | 5 |
| 265 | 2.23 Pyroelectric Materials. , 2018, , 720-759. | | 5 |
| 266 | Fabrication of laser grade Yb: Y2O3 transparent ceramics with ZrO2 additive through hot isostatic pressing. Materials Today Communications, 2020, 24, 101185. | 0.9 | 5 |
| 267 | Effects of flake-shape and content of nano-mullite on mechanical properties and fracture process of corundum composite ceramics. Journal of Asian Ceramic Societies, 2021, 9, 459-470. | 1.0 | 5 |
| 268 | Chinese ink-facilitated fabrication of paper-based composites as electrodes for supercapacitors. International Journal of Smart and Nano Materials, 2021, 12, 351-374. | 2.0 | 5 |
| 269 | Synthesis of palygorskite supported spherical ZnS nanocomposites with enhanced photocatalytic activity. CrystEngComm, 2021, 23, 4229-4236. | 1.3 | 5 |
| 270 | Waste Thermal Energy Harvesting (II): Pyroelectric Effect and Others. Lecture Notes in Energy, 2014, , 405-480. | 0.2 | 5 |

| # | Article | IF | Citations |
|---|---|---|---|
| 271 | Microstructure and phases structure in nickel-based superalloy IN713C after solidification. Materials Characterization, 2021, 182, 111566. | 1.9 | 5 |
| 272 | Lead zinc niobate (PZN)â€“barium titanate (BT) ceramics from mechanochemically synthesized powders. Materials Research Bulletin, 2002, 37, 2491-2498. | 2.7 | 4 |
| 273 | Role of oxygen pressure in growth of CeAlOx thin films on Si by pulsed laser deposition. Journal of Applied Physics, 2003, 94, 594-597. | 1.1 | 4 |
| 274 | A Study of Effect of Cutting Strategy on Surface Generation in Ultra-Precision Machining of Micro-Structured Pattern Rollers. Key Engineering Materials, 2013, 552, 575-585. | 0.4 | 4 |
| 275 | Improving the low-rate stability of lithium-sulfur battery through the coating of conductive polymer. Ionics, 2021, 27, 3887-3893. | 1.2 | 4 |
| 276 | Rapid fabrication of extremely thin Nano-Al2O3 transparent ceramic wafers through nonaqueous tape casting. Ceramics International, 2021, 47, 30677-30684. | 2.3 | 4 |
| 277 | Possibility of one-step approach to 0.7PZNâ€“0.3BT multiple ceramics from component constituent oxides. Materials Letters, 2002, 53, 205-210. | 1.3 | 3 |
| 278 | Preparation and electrical properties of dense submicron-grained Ce0.8Gd0.2O2 - Âceramics. Journal of Materials Science Letters, 2003, 22, 1809-1811. | 0.5 | 3 |
| 279 | Structural properties and dopant-modified bandgap energies of Ba0.5 Sr 0.5 TiO 3 thin films grown on LaAlO 3 substrates. Journal of Electroceramics, 2006, 16, 571-574. | 0.8 | 3 |
| 280 | Greatly enhanced azimuthal permeability of a ferrite core with a wire coil metamaterial. Applied Physics Letters, 2009, 94, 162502. | 1.5 | 3 |
| 281 | Nanocrystalline Ferromagnetic Microwires Silicone Flexible Composite With Optical Transparency. IEEE Transactions on Electromagnetic Compatibility, 2012, 54, 88-92. | 1.4 | 3 |
| 282 | Suppressed ferroelectric relaxor behavior of Mnâ€•modified Ba(<scp>Z</scp>r<sub>0.3</sub><scp>T</scp>i<sub>0.7</sub>)<scp>O</scp><sub>3</sub> relaxor ceramics. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 788-794. | 0.8 | 3 |
| 283 | Highly enhanced sinterability of fine-grained Ba0.6Sr0.4TiO3â^'MgO bulk ceramics and in-situ nanocomposite thick films. Ceramics International, 2014, 40, 10475-10481. | 2.3 | 3 |
| 284 | Ceramic Powder Synthesis. Topics in Mining, Metallurgy and Materials Engineering, 2015, , 93-189. | 1.4 | 3 |
| 285 | Studies of interface characteristics of fine-grain ferroelectric based glass-ceramic composites using impedance spectroscopy. Journal of Alloys and Compounds, 2016, 682, 196-202. | 2.8 | 3 |
| 286 | Facile preparation of protonated hexaniobate nanosheets and its enhanced photocatalytic activity. Nanotechnology, 2017, 28, 235702. | 1.3 | 3 |
| 287 | Nitrogen-doped graphene oxide and lanthanum-doped cobalt ferrite composites as high-performance microwave absorber. Journal of Materials Science: Materials in Electronics, 2021, 32, 21685-21696. | 1.1 | 3 |
| 288 | Microstructure evolution and phase transformation in a nickel-based superalloy with varying Ti/Al ratios: Part 1 - Microstructure evolution. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2022, 831, 142228. | 2.6 | 3 |

| # | Article | IF | Citations |
|---|---|---|---|
| 289 | High permittivity and shielding effectiveness of microwire composites with optical transparency. , 2012, , . | | 2 |
| 290 | Electrically small magneto-dielectric coated monopole antenna at HF band. , 2012, , . | | 2 |
| 291 | Electrical Properties of Textured (KNa)0.44Li0.06Nb0.84Sb0.06Ta0.1O3 Thick Films. Journal of Electronic Materials, 2012, 41, 3077-3081. | 1.0 | 2 |
| 292 | New AgNbO4â˜Î´ compound with high visible light photocatalytic activity. Materials Letters, 2016, 183, 97-100. | 1.3 | 2 |
| 293 | Magnetic Nanomaterials for Electromagnetic Wave Absorption. , 2017, , 473-514. | | 2 |
| 294 | Ferrite-based composites for microwave absorbing applications. , 2018, , 361-385. | | 2 |
| 295 | In situ synthesis of layered coal-based carbon/Co porous magnetic composites with promising microwave absorption performance. New Journal of Chemistry, 2021, 45, 15525-15535. | 1.4 | 2 |
| 296 | Progress in fabrication and characterization of mullite whiskers. Journal of Micromechanics and Molecular Physics, 2021, 06, 2150003. | 0.7 | 2 |
| 297 | Spinel ferrite based composites with permeability and permittivity of almost equal values. , 2005, , . | | 2 |
| 298 | Investigations of anodization parameters and TiCl4 treatments on TiO2 nanostructures for highly optimized dye-sensitized solar cells. Surfaces and Interfaces, 2021, 27, 101578. | 1.5 | 2 |
| 299 | Preparation and electric properties of La-doped-(Sr,Ba)TiO3from sol-gel process. Ferroelectrics, 1999, 234, 211-222. | 0.3 | 1 |
| 300 | Biomimetric Processing Of Bioactive Apatite - Ceramic Composites. Materials Technology, 2002, 17, 228-231. | 1.5 | 1 |
| 301 | Effect of SiO2content on the ionic conductivity of Ce0.8Gd0.2O2-Î´ceramics. Journal of Materials Science, 2004, 39, 6371-6373. | 1.7 | 1 |
| 302 | Anisotropic Grain Growth in Mullite Powders as a Result of High-energy Ball Milling. Journal of the American Ceramic Society, 2007, 90, 070918221104001-???. | 1.9 | 1 |
| 303 | Enhanced Microwave Magnetic and Attenuation Properties for Barium Ferrite Flaky-Filler Composites. IEEE Transactions on Magnetics, 2011, 47, 3712-3715. | 1.2 | 1 |
| 304 | Reducing the size of monopole antennas using magneto-dielectric material loading. , 2012, , . | | 1 |
| 305 | Gas flow induced by ultrasonic cavitation bubble clouds and surface capillary wave. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2014, 61, 1042-1046. | 1.7 | 1 |
| 306 | Grain Growth and Microstructure Development. Topics in Mining, Metallurgy and Materials Engineering, 2015, , 519-579. | 1.4 | 1 |

| # | Article | IF | Citations |
|---|---|---|---|
| 307 | Carbon Nanomaterials Based on Carbon Nanotubes (CNTs). Advanced Structured Materials, 2016, , 25-101. | 0.3 | 1 |
| 308 | Rapid processing of ferrite ceramics with promising magneto-dielectric characteristics. Journal of Advanced Dielectrics, 2017, 07, 1750040. | 1.5 | 1 |
| 309 | Optimization of Ni0.95â^'xZnxCo0.05Fe1.90Mn0.02O4 ceramics with promising magneto-dielectric properties for VHF antenna miniaturization. Journal of Advanced Dielectrics, 2018, 08, 1850001. | 1.5 | 1 |
| 310 | Blistering of potassium-tantalate single crystals induced by helium implantation. Journal of the Korean Physical Society, 2021, 78, 750-754. | 0.3 | 1 |
| 311 | Carbon Nanomaterials Derived from Graphene and Graphene Oxide Nanosheets. Advanced Structured Materials, 2017, , 177-243. | 0.3 | 1 |
| 312 | Revelation of Function and Inhibition of Wza Through Single-Channel Studies. Methods in Molecular Biology, 2021, 2186, 63-76. | 0.4 | 1 |
| 313 | Synergistic effect of niobium oxide and cobalt on electromagnetic properties of dodecahedron-carbon composites. Journal of Solid State Chemistry, 2022, 311, 123122. | 1.4 | 1 |
| 314 | NonlinearV-I property of Ag/BaTiO3 composite materials. Science Bulletin, 1997, 42, 1046-1048. | 1.7 | 0 |
| 315 | Electrically small magneto-dielectric coated VHF monopole antenna. , 2012, , . | | 0 |
| 316 | Laser Applications. Topics in Mining, Metallurgy and Materials Engineering, 2015, , 581-674. | 1.4 | 0 |
| 317 | A Review on the Characteristics of the New Multiferroic Three-Ply Structure Ferroelectric-Ferromagnetic Nanocomposite. Materials Science Forum, 0, 815, 159-165. | 0.3 | 0 |
| 318 | Investigation on the effect of the reference supply voltage on the micro-rectangular-columned Ti3SiC2 surface by wire electrical discharge machining. AIP Advances, 2021, 11, 035301. | 0.6 | 0 |
| 319 | Energy Related Applications. Engineering Materials, 2020, , 207-302. | 0.3 | 0 |
| 320 | Microstructure evolution and phase transformation in a nickel-based superalloy with varying Ti/Al ratios: Part 2 â€“ Phase transformation. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2022, 831, 142229. | 2.6 | 0 |
| 321 | MXenes Based Composites and Hybrids. Engineering Materials, 2020, , 95-206. | 0.3 | 0 |