

Jie Li

List of Publications by Year in descending order

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88
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257450

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#	ARTICLE	IF	CITATIONS
1	Enhanced microstructure and dielectric properties of low-temperature sintered MgO-xwt%LiF ceramics for high-frequency applications. <i>Ceramics International</i> , 2022, 48, 2704-2709.	4.8	6
2	Synthesis of low-temperature sintered M-type barium ferrites with enhanced microstructure, magnetic and dielectric properties. <i>Journal of Alloys and Compounds</i> , 2022, 899, 163146.	5.5	6
3	Nb5+ ion substitution assisted the magnetic and gyromagnetic properties of NiCuZn ferrite for high frequency LTCC devices. <i>Ceramics International</i> , 2022, 48, 12490-12496.	4.8	13
4	Synthesis and magnetic properties of low-temperature sintered, LMZBS glass-doped dense NiCuZn ferrites. <i>Ceramics International</i> , 2022, 48, 19011-19016.	4.8	12
5	Magnetic and dielectric properties of low-temperature sintered NiCuZn/CaTiO ₃ composite dual-performance materials. <i>Journal of Alloys and Compounds</i> , 2022, 910, 164906.	5.5	4
6	Influence of CuO additive on phase formation, microstructure and microwave dielectric properties of Cu-doped Cu _x Zn _{1.8-x} SiO _{3.8} ceramics. <i>Applied Physics A: Materials Science and Processing</i> , 2022, 128, 1.	2.3	1
7	Glass-free CaMg _{0.9} Li _{0.2} MnSi ₂ O ₆ ceramics with enhanced dielectric properties for microwave and THz frequency applications. <i>Ceramics International</i> , 2022, 48, 24091-24099.	4.8	9
8	Effect of sintering temperature on microstructure and magnetic and dielectric properties of M-type barium ferrites. <i>Ceramics International</i> , 2022, 48, 27712-27717.	4.8	3
9	Microwave dielectric properties and sintering behaviors of Zn _{1.8} SiO _{3.8} ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 517-523.	2.2	4
10	Structure and infrared reflectivity spectra of novel Mg ₃ Ga ₂ GeO ₈ microwave dielectric ceramic with high Q. <i>Ceramics International</i> , 2021, 47, 2450-2455.	4.8	11
11	Effect of zirconium deficiency on structure characteristics, morphology and microwave dielectric properties of Li ₂ Mg ₃ Zr _{1-x} O ₆ ceramics. <i>Ceramics International</i> , 2021, 47, 12567-12573.	4.8	9
12	Enhancement of structural and microwave properties of Zn ²⁺ ion-substituted Li ₂ MgSiO ₄ ceramics for LTCC applications. <i>Ceramics International</i> , 2021, 47, 15039-15043.	4.8	11
13	Ge-doped Li _{3+x} Mg ₂ Nb _{1-x} GeO ₆ ceramics with enhanced low loss and high temperature stability properties. <i>Ceramics International</i> , 2021, 47, 23038-23044.	4.8	1
14	Enhancement of microstructure and magnetic properties of MgCd ferrite via Sm-Ga ions substitution for microwave devices. <i>Materials Research Bulletin</i> , 2021, 142, 111414.	5.2	8
15	Low dielectric loss and narrow FMR linewidth of Ca-Ge co-substituted YlnG ferrites for microwave device application. <i>Journal of Alloys and Compounds</i> , 2021, 885, 160965.	5.5	11
16	Ultrafast spin wave propagation in thick magnetic insulator films with perpendicular magnetic anisotropy. <i>Physical Review B</i> , 2021, 104, .	3.2	4
17	Microstructure and enhanced magnetic properties of low-temperature sintered LiZnTiMn ferrite ceramics with Bi ₂ O ₃ -Al ₂ O ₃ additive. <i>Ceramics International</i> , 2020, 46, 487-492.	4.8	19
18	Tunable double resonance with negative permittivity and permeability in GdFeO ₃ material by sintering temperature. <i>Journal of Alloys and Compounds</i> , 2020, 817, 152778.	5.5	9

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19	Crystal structure and enhanced microwave dielectric properties of Ta ⁵⁺ substituted Li ₃ Mg ₂ NbO ₆ ceramics. Journal of the American Ceramic Society, 2020, 103, 214-223.	3.8	58
20	Enhanced structure and microwave magnetic properties of MgZn ferrite by Cd ²⁺ ion substitution for LTCC applications. Ceramics International, 2020, 46, 6600-6604.	4.8	11
21	Equivalent permeability and permittivity of Sm substituted Mg ²⁺ Cd ferrites for high-frequency applications. Journal of Alloys and Compounds, 2020, 819, 153059.	5.5	18
22	Effects of Bi ₂ O ₃ -MnO ₂ additives on tunable microstructure and magnetic properties of low temperature co-fired NiCuZn ferrite ceramics. Journal of Materials Science: Materials in Electronics, 2020, 31, 12325-12332.	2.2	10
23	Matching impedance of Cd-substituted magnesium ferrites for wideband and miniaturized antennas. Ceramics International, 2020, 46, 27996-28005.	4.8	12
24	Crystal structure, bond energy, Raman spectra, and microwave dielectric properties of Ti ⁴⁺ -doped Li ₃ Mg ₂ NbO ₆ ceramics. Journal of the American Ceramic Society, 2020, 103, 4321-4332.	3.8	51
25	Synthesis of V ₂ O ₅ -Doped and low-sintered NiCuZn ferrite with uniform grains and enhanced magnetic properties. Ceramics International, 2020, 46, 10652-10657.	4.8	29
26	Grain growth and tunable ferromagnetic resonance linewidth of low-temperature sintering NiCuZn ferromagnetic ferrites. Journal of Materials Science: Materials in Electronics, 2020, 31, 2845-2853.	2.2	4
27	Correlation between structure characteristics and dielectric properties of Li ₂ Mg _{3-x} Cu _x TiO ₆ ceramics based on complex chemical bond theory. Ceramics International, 2019, 45, 23509-23514.	4.8	20
28	Temperature stability and chemical compatibility of novel Li _{1.6} Zn _{1.6} Sn _{2.8} O ₈ ceramics. Materials Chemistry and Physics, 2019, 238, 121960.	4.0	8
29	Bi ₂ O ₃ -doping controlled magnetic and dielectric properties of low-temperature co-fired NiCuZn ferrite for high-frequency applications. Journal of Materials Science: Materials in Electronics, 2019, 30, 15437-15443.	2.2	9
30	Synthesis, crystal structure and low loss of Li ₃ Mg ₂ NbO ₆ ceramics by reaction sintering process. Ceramics International, 2019, 45, 19766-19770.	4.8	16
31	Synthesis, phase composition and modified microwave dielectric properties of Mg ²⁺ substituted Zn ₂ SiO ₄ ceramics with uniform microstructure. Materials Research Express, 2019, 6, 106313.	1.6	4
32	Effect of Li ₂ O-Al ₂ O ₃ -Bi ₂ O ₃ -SiO ₂ Glass on Electromagnetic Properties of Ni _{0.16} Cu _{0.22} Zn _{0.62} Fe ₂ O ₄ -BaTiO ₃ Composites at Low Sintering Temperature. Materials Science Forum, 2019, 960, 250-255.	0.3	0
33	Low-temperature sintering synthesis and electromagnetic properties of NiCuZn/BaTiO ₃ composite materials. Journal of Alloys and Compounds, 2019, 788, 44-49.	5.5	15
34	Antenna design for ferromagnetic resonance and spin wave spectroscopy. Journal of Magnetism and Magnetic Materials, 2019, 490, 165442.	2.3	1
35	TiO ₂ tailored low loss NiCuZn ferrite ceramics having equivalent permeability and permittivity for miniaturized antenna. Journal of Magnetism and Magnetic Materials, 2019, 487, 165318.	2.3	19
36	Correlation between crystal structure and modified microwave dielectric characteristics of Cu ²⁺ substituted Li ₃ Mg ₂ NbO ₆ ceramics. Ceramics International, 2019, 45, 10170-10175.	4.8	27

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37	Bi ₂ O ₃ adjusting equivalent permeability and permittivity of M-type barium ferrite for antenna substrate application. Materials Research Express, 2019, 6, 056113.	1.6	5
38	Effects of Bi ₂ O ₃ and Li ₂ O B ₂ O ₃ Bi ₂ O ₃ SiO ₂ glass on electromagnetic properties of NiCuZn/BaTiO ₃ composite material at low sintering temperature. Ceramics International, 2019, 45, 11342-11346.	4.8	10
39	Influence of microstructure on magnetic and dielectric performance of Bi ₂ O ₃ -doped Mg Cd ferrites for high frequency antennas. Ceramics International, 2019, 45, 12035-12040.	4.8	17
40	Structure and magnetic properties of In-substituted MgCd ferrite material. Materials Research Express, 2019, 6, 116123.	1.6	0
41	Ultralow loss and temperature stability of Li ₃ Mg ₂ NbO ₆ -xLiF ceramics with low sintering temperature. Journal of Alloys and Compounds, 2019, 782, 370-374.	5.5	20
42	Synthesis of nickel zinc ferrite ceramics on enhancing gyromagnetic properties by a novel low-temperature sintering approach for LTCC applications. Journal of Alloys and Compounds, 2019, 778, 8-14.	5.5	17
43	Microstructure and magnetic properties of low-temperature sintered M-type hexaferrite BaZn _{0.6} Sn _{0.6} Fe _{10.8} O ₁₉ for LTCC process. Journal of Magnetism and Magnetic Materials, 2019, 475, 223-228.	2.3	14
44	Textured M-type barium hexaferrite Ba(ZnSn) _x Fe _{12-2x} O ₁₉ with c-axis anisotropy and high squareness ratio. Ceramics International, 2019, 45, 4535-4539.	4.8	18
45	Densification and magnetic properties of NiCuZn low-sintering temperature ferrites with Bi ₂ O ₃ -Nb ₂ O ₅ composite additives. Journal of Alloys and Compounds, 2019, 776, 954-959.	5.5	30
46	Double peaks of the permeability spectra of obliquely sputtered CoFeB amorphous films. Materials Research Bulletin, 2019, 110, 107-111.	5.2	14
47	Influence of LZN nanoparticles on microstructure and magnetic properties of bi-substituted LiZnTi low-sintering temperature ferrites. Ceramics International, 2019, 45, 1946-1949.	4.8	11
48	Low temperature sintering and microwave dielectric properties of novel temperature stable Li ₃ Mg ₂ NbO ₆ -0.1TiO ₂ ceramics. Materials Letters, 2018, 217, 48-51.	2.6	26
49	Effects of Bi ₂ O ₃ -Nb ₂ O ₅ additives on microstructure and magnetic properties of low-temperature-fired NiCuZn ferrite ceramics. Ceramics International, 2018, 44, 10545-10550.	4.8	61
50	Equal permeability and permittivity in a low temperature co-fired In-doped Mg-Cd ferrite. Ceramics International, 2018, 44, 678-682.	4.8	21
51	Low loss, enhanced magneto-dielectric properties of Bi ₂ O ₃ doped Mg-Cd ferrites for high frequency antennas. Journal of Alloys and Compounds, 2018, 735, 2634-2639.	5.5	29
52	Controllably degradable transient electronic antennas based on water-soluble PVA/TiO ₂ films. Journal of Materials Science, 2018, 53, 2638-2647.	3.7	61
53	Magnetic and dielectric properties of Sm-doped M-type barium ferrites for LTCC application. , 2018, , .		0
54	Improved sintering characteristics and gyromagnetic properties of low-temperature sintered Li ₄₂ Zn ₂₇ Ti ₁₁ Mn ₁ Fe _{2.1} O ₄ ferrite ceramics modified with Bi ₂ O ₃ -ZnO-B ₂ O ₃ glass additive. Ceramics International, 2018, 44, 13122-13128.	4.8	32

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55	Correlations between the structural characteristics and enhanced microwave dielectric properties of Vâ€ modified Li ₃ Mg ₂ NbO ₆ ceramics. <i>Ceramics International</i> , 2018, 44, 19295-19300.	4.8	39
56	Investigation and characterization on crystal structure and enhanced microwave dielectric properties of non-stoichiometric Li ₃ +xMg ₂ NbO ₆ ceramics. <i>Ceramics International</i> , 2018, 44, 20539-20544.	4.8	26
57	Enhanced gyromagnetic properties of NiCuZn ferrite ceramics for LTCC applications by adjusting MnO ₂ -Bi ₂ O ₃ substitution. <i>Ceramics International</i> , 2018, 44, 19370-19376.	4.8	27
58	Investigation of grain boundary diffusion and grain growth of lithium zinc ferrites with low activation energy. <i>Journal of the American Ceramic Society</i> , 2018, 101, 5037-5045.	3.8	34
59	Low-Temperature Sintering Li ₃ Mg _{1.8} Ca _{0.2} NbO ₆ Microwave Dielectric Ceramics with LMZBS Glass. <i>Journal of Electronic Materials</i> , 2018, 47, 4672-4677.	2.2	15
60	Low temperature co-fired LiZrZn ferrites with LBBS glass. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 1142-1146.	2.2	2
61	Low dielectric permittivity and low loss of low temperature co-fired Li ₂ Zn _x Mg _{0.98âˆ’x} Co _{0.02} SiO ₄ ceramics with LiFâ€ Bi ₂ O ₃ additives. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 13638-13642.	2.2	0
62	Low-Temperature Cofired Co/Zr-Cosubstituted M-Type Barium Ferrite. <i>Journal of Electronic Materials</i> , 2017, 46, 1358-1362.	2.2	2
63	Synthesis of Highly Uniform and Compact Lithium Zinc Ferrite Ceramics via an Efficient Low Temperature Approach. <i>Inorganic Chemistry</i> , 2017, 56, 4512-4520.	4.0	47
64	Low-temperature sintering and ferrimagnetic properties of LiZnTiMn ferrites with Bi ₂ O ₃ -CuO eutectic mixture. <i>Journal of Alloys and Compounds</i> , 2017, 695, 3233-3238.	5.5	24
65	Investigation on Zn-Sn co-substituted M-type hexaferrite for microwave applications. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 444, 421-425.	2.3	23
66	Temperature stability and high-Qf of low temperature firing Mg ₂ SiO ₄ â€ Li ₂ TiO ₃ microwave dielectric ceramics. <i>Ceramics International</i> , 2017, 43, 16167-16173.	4.8	34
67	Structure and magnetic properties of CuO-substituted Co ₂ Y hexaferrites for high frequency applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 2069-2074.	2.2	7
68	Relationship between the structure and microwave dielectric properties of non-stoichiometric Li ₂ +xSiO ₃ ceramics. <i>Ceramics International</i> , 2017, 43, 2664-2669.	4.8	30
69	Polycrystalline Bi substituted YIG ferrite processed via low temperature sintering. <i>Journal of Alloys and Compounds</i> , 2017, 695, 931-936.	5.5	31
70	Magnetic properties and microstructure of low temperature sintered LiZnMnTi ferrites doped with Li ₂ CO ₃ B ₂ O ₃ Bi ₂ O ₃ SiO ₂ glasses. <i>Journal of Alloys and Compounds</i> , 2016, 680, 729-734.	5.5	21
71	LTCC processed CoTi substituted M-type barium ferrite composite with BBSZ glass powder additives for microwave device applications. <i>AIP Advances</i> , 2016, 6, 056410.	1.3	8
72	Effect of ZnOâ€ B ₂ O ₃ â€ SiO ₂ glass additive on magnetic properties of low-sintering Li _{0.43} Zn _{0.27} Ti _{0.13} Fe _{2.17} O ₄ ferrites. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 811-817.	2.2	11

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73	Low temperature co-fired Co ₂ Zr barium–strontium ferrite materials with BBSC glass. Journal of Materials Science: Materials in Electronics, 2016, 27, 2841-2845.	2.2	1
74	Low temperature sintering and ferromagnetic properties of Li _{0.43} Zn _{0.27} Ti _{0.13} Fe _{2.17} O ₄ ferrites doped with BaO–ZnO–B ₂ O ₃ –SiO ₂ glass. Journal of Alloys and Compounds, 2016, 654, 140-145.	5.5	17
75	Low-temperature co-fired Ni–Ti co-substituted barium ferrites. Journal of Composite Materials, 2016, 50, 173-178.	2.4	8
76	Low Temperature Firing of Li _{0.43} Zn _{0.27} Ti _{0.13} Fe _{2.17} O ₄ Ferrites with Enhanced Magnetic Properties. Journal of the American Ceramic Society, 2015, 98, 2556-2560.	3.8	45
77	Phase formation, magnetic properties and Raman spectra of Co–Ti co-substitution M-type barium ferrites. Applied Physics A: Materials Science and Processing, 2015, 119, 525-532.	2.3	24
78	Ni–Ti equiatomic co-substitution of hexagonal M-type Ba(NiTi) _x Fe _{12–2x} O ₁₉ ferrites. Journal of Alloys and Compounds, 2015, 649, 782-787.	5.5	29
79	Low temperature sintering BBSZ glass modified Li ₂ MgTi ₃ O ₈ microwave dielectric ceramics. Journal of Alloys and Compounds, 2015, 646, 1139-1142.	5.5	29
80	Co–Ti co-substitution of M-type hexagonal barium ferrite. Materials Research Express, 2015, 2, 046104.	1.6	13
81	Enhanced ferromagnetic properties of low temperature sintering LiZnTi ferrites with Li ₂ O–B ₂ O ₃ –SiO ₂ –CaO–Al ₂ O ₃ glass addition. Journal of Alloys and Compounds, 2015, 620, 421-426.	5.5	59
82	Structural and magnetic properties of M–Ti (M=Ni or Zn) co-substituted M-type barium ferrite by a novel sintering process. Journal of Materials Science: Materials in Electronics, 2015, 26, 1060-1065.	2.2	11
83	Effect of La–Zn Substitution on the Structure and Magnetic Properties of Low Temperature Co-Fired M-Type Barium Ferrite. Journal of Superconductivity and Novel Magnetism, 2014, 27, 793-797.	1.8	21
84	Development and application of ferrite materials for low temperature co-fired ceramic technology. Chinese Physics B, 2013, 22, 117504.	1.4	35
85	Influence of La-Co substitution on the structure and magnetic properties of low-temperature sintered M-type barium ferrites. Journal of Rare Earths, 2013, 31, 983-987.	4.8	43
86	The structural and magnetic properties of barium ferrite powders prepared by the sol–gel method. Chinese Physics B, 2012, 21, 017501.	1.4	12
87	Miniaturized terrestrial digital media broadcasting antenna based on low loss magneto-dielectric materials for mobile handset applications. Journal of Applied Physics, 2012, 112, 043915.	2.5	19
88	Enhanced magnetic properties of low-temperature sintered LiZnTiMn ferrites with Bi ₂ O ₃ –NiO additive. Journal of Materials Science: Materials in Electronics, 0, , 1.	2.2	3