

Renli Fu

List of Publications by Year in descending order

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papers

2,330
citations

147801

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2120
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#	ARTICLE	IF	CITATIONS
1	Micromechanical and microstructure characterization of BaO-Sm ₂ O ₃ -5TiO ₂ ceramic with addition of Al ₂ O ₃ . <i>Ceramics International</i> , 2022, 48, 992-1005.	4.8	22
2	Enhanced dielectric properties and chemical bond characteristics of ZnNb ₂ O ₆ ceramics due to zinc oxide doping. <i>Ceramics International</i> , 2022, 48, 82-89.	4.8	9
3	Construction of 3D MXene/Silver nanowires aerogels reinforced polymer composites for extraordinary electromagnetic interference shielding and thermal conductivity. <i>Chemical Engineering Journal</i> , 2022, 427, 131540.	12.7	96
4	Effect of Organizational Evolution on the Stress Corrosion Cracking of the Cr-Co-Ni-Mo Series of Ultra-High Strength Stainless Steel. <i>Materials</i> , 2022, 15, 497.	2.9	2
5	Simulation of optical behavior of YAG:Ce ³⁺ @SiO ₂ phosphor used for chip scale packages WLED. <i>Journal of Luminescence</i> , 2022, 244, 118699.	3.1	5
6	Effect of niobium alloying on the austenite grain growth and mechanical properties of ultrahigh-strength stainless steel. <i>Materials Research Express</i> , 2022, 9, 026511.	1.6	0
7	The flexible film of SCF/BN/PDMS composites with high thermal conductivity and electrical insulation. <i>Composites Communications</i> , 2021, 23, 100573.	6.3	26
8	Enhanced adhesion strength of silver paste on AlN ceramic substrate via sintered nano-CuO. <i>Ceramics International</i> , 2021, 47, 9471-9476.	4.8	12
9	Electrical insulating MXene/PDMS/BN composite with enhanced thermal conductivity for electromagnetic shielding application. <i>Composites Communications</i> , 2021, 23, 100593.	6.3	47
10	Characterization of Glass Insulating Thick Films with Ag Conductors for Multilayer Packages. <i>Materials</i> , 2021, 14, 494.	2.9	2
11	Interfacial strength and microstructure of AlN/Cu joints produced by a novel brazing method facilitated by porous copper layer and Ag foil. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 15826-15836.	2.2	3
12	Microstructure and quality factor of Mg ₄ Nb ₂ O ₉ ceramics via B-site precursor method. <i>Materials Letters</i> , 2021, 293, 129704.	2.6	0
13	Epoxy-matrix composite with low dielectric constant and high thermal conductivity fabricated by HGMs/Al ₂ O ₃ co-continuous skeleton. <i>Journal of Alloys and Compounds</i> , 2021, 869, 159332.	5.5	19
14	MXene confined in shape-stabilized phase change material combining enhanced electromagnetic interference shielding and thermal management capability. <i>Composites Science and Technology</i> , 2021, 210, 108835.	7.8	71
15	Hybrid silver pastes with synergistic effect of multi-scale silver fillers and the application in flexible circuits. <i>Materials Research Express</i> , 2021, 8, 096303.	1.6	1
16	Ultra-low thermal expansion coefficient of PZB/ β -eucryptite composite glass for MEMS packaging. <i>Ceramics International</i> , 2020, 46, 8385-8390.	4.8	9
17	AlN/Cu composite ceramic substrate fabricated using a novel TiN/AgCuTi composite brazing alloy. <i>Journal of the European Ceramic Society</i> , 2020, 40, 5332-5338.	5.7	30
18	Low temperature sintered of Ba ₃ MgNb ₂ O ₉ ceramics with high quality factor via B-site oxide precursor method. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 20245-20254.	2.2	1

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19	Novel PEC/EP form-stable phase change materials with high thermal conductivity enhanced by 3D ceramics network. <i>Ceramics International</i> , 2020, 46, 25285-25292.	4.8	34
20	SCF-NiFe ₂ O ₄ /epoxy composites with high thermal conductivity and electromagnetic interference resistance. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 21325-21334.	2.2	4
21	Low thermal expansion coefficient and high thermal conductivity epoxy/Al ₂ O ₃ /T-ZnOw composites with dual-scale interpenetrating network structure. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020, 137, 105993.	7.6	40
22	Effect of SiO ₂ nanoparticles decorated SCF on mechanical and tribological properties of cenosphere/SCF/PEEK composites. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48749.	2.6	12
23	Enhanced bonding strength of Al ₂ O ₃ /AlN ceramics joined via glass frit with gradient thermal expansion coefficient. <i>Ceramics International</i> , 2020, 46, 12806-12811.	4.8	18
24	Multi-colour light emission based on pixel-array phosphor layer in LEDs. <i>Journal of Luminescence</i> , 2020, 221, 117057.	3.1	7
25	Novel blue-emitting KBaGdSi ₂ O ₇ :Eu ²⁺ phosphor used for near-UV white-light LED. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 3159-3165.	2.2	3
26	Tunable luminescence and energy transfer from Ce ³⁺ to Dy ³⁺ in Ca ₃ Al ₂ O ₆ host matrix prepared via a facile sol-gel process. <i>Journal of Alloys and Compounds</i> , 2019, 810, 151960.	5.5	7
27	Effects of Ca ²⁺ substitution on microstructure and microwave dielectric properties of low loss Ba(Mg _{1/3} Nb _{2/3})O ₃ perovskite ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 5726-5732.	2.2	15
28	Luminous efficiency enhancement of WLEDs via patterned RGB phosphor arrays. <i>Journal of Luminescence</i> , 2019, 211, 1-7.	3.1	21
29	Sintering behavior, microwave dielectric properties of Ca _{0.66} Ti _{0.66} Nd _{0.34} Al _{0.34} O ₃ ceramics revealed by microstructure and Raman scattering. <i>Journal of Alloys and Compounds</i> , 2019, 785, 335-342.	5.5	6
30	Influence of cenosphere on tribological properties of short carbon fiber reinforced PEEK composites. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47245.	2.6	8
31	Synthesis and luminescence enhancement of Ca _y Sr _{4-x} Al ₂ O ₇ :xEu ²⁺ phosphors by a novel halide-assisted solid-state reaction method. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 10487-10493.	2.2	1
32	Crystallization behaviour and properties of BaO-CaO-B ₂ O ₃ -SiO ₂ glasses and glass-ceramics for LTCC applications. <i>Ceramics International</i> , 2018, 44, 10147-10153.	4.8	35
33	Sound insulation of multi-layer glass-fiber felts: Role of morphology. <i>Textile Research Journal</i> , 2017, 87, 261-269.	2.2	28
34	A preparation method for Al/AlN ceramics substrates by using a CuO interlayer. <i>Materials and Design</i> , 2017, 130, 373-380.	7.0	14
35	Synthesis, characterization and dielectric properties of xBaTi ₄ O ₉ (1-x)BaSm ₂ Ti ₄ O ₁₂ . <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 4328-4332.	2.2	1
36	Influence of rare earth substitution in Ca _{0.66} Ti _{0.66} R _{0.34} Al _{0.34} O ₃ (R=La, Sm, Nd) ceramics on crystal structure and microwave dielectric properties. <i>Journal of Alloys and Compounds</i> , 2017, 693, 454-461.	5.5	7

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37	Acoustic properties of glass fiber assembly-filled honeycomb sandwich panels. <i>Composites Part B: Engineering</i> , 2016, 96, 281-286.	12.0	75
38	Sintering behavior, microstructure, and microwave dielectric properties of $\text{Ca}_{0.66}\text{Ti}_{0.66}\text{Sm}_{0.34}\text{Al}_{0.34}\text{O}_3$ ceramics. <i>Ceramics International</i> , 2016, 42, 19036-19041.	4.8	6
39	Influence of the processing way for La^{3+} -doping on crystal structure, microstructure, and microwave dielectric properties of $\text{Ca}_{0.7}\text{Ti}_{0.7}\text{La}_{0.3}\text{Al}_{0.3}\text{O}_3$ ceramics. <i>Ceramics International</i> , 2016, 42, 18108-18115.	4.8	4
40	Tailoring the photoluminescence properties of lanthanum strontium aluminate phosphors by controlling crystal field environment with fluorine ions. <i>Journal of Rare Earths</i> , 2016, 34, 1089-1094.	4.8	2
41	Crystal structure and microwave dielectric properties of $(\text{Ba}_{1-x}\text{Sr}_x)\text{Sm}_2\text{Ti}_4\text{O}_{12}$ solid solutions. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 11137-11141.	2.2	3
42	Synthesis and microwave dielectric properties of $\text{BaO-Sm}_2\text{O}_3-5\text{TiO}_2$ ceramics with NdAlO_3 additions. <i>Ceramics International</i> , 2016, 42, 14573-14580.	4.8	12
43	Effect of cross-sectional morphology and composite structure of glass fiber felts on their corresponding acoustic properties. <i>Fibers and Polymers</i> , 2016, 17, 97-103.	2.1	10
44	Processing technique and uniformity affecting tensile strength and hydrophobicity properties of glass wool felt. <i>Fibers and Polymers</i> , 2015, 16, 1587-1594.	2.1	14
45	Bonding of Al to Al_2O_3 via Al-Cu eutectic method. <i>Materials and Design</i> , 2015, 87, 619-624.	7.0	6
46	Influence of nano- SiO_2 /copper electroless composite plating on morphologies and properties of Cu thick films on Al_2O_3 . <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 8350-8357.	2.2	1
47	Photoluminescence properties of an orange-red $\text{LaSr}_2\text{AlO}_5:\text{Sm}^{3+}$ phosphor prepared by the Pechini-type sol-gel process. <i>Journal of Rare Earths</i> , 2015, 33, 954-960.	4.8	38
48	Morphology of thick film metallization on aluminum nitride ceramics and composition of interface layer. <i>Ceramics International</i> , 2015, 41, 13381-13388.	4.8	20
49	Sound insulation properties of sandwich structures on glass fiber felts. <i>Fibers and Polymers</i> , 2015, 16, 1568-1577.	2.1	27
50	Flexible quantum dot/PVA composites for white LEDs. <i>Journal of Materials Chemistry C</i> , 2015, 3, 257-264.	5.5	41
51	A red-emitting phosphor $\text{LaSr}_2\text{AlO}_5:\text{Eu}^{3+}/\text{Eu}^{2+}$ prepared under oxidative and reductive atmospheres. <i>Journal of Luminescence</i> , 2015, 157, 46-52.	3.1	28
52	Thermal conductivity and fire resistance of epoxy molding compounds filled with Si_3N_4 and $\text{Al}(\text{OH})_3$. <i>Materials & Design</i> , 2012, 34, 820-824.	5.1	72
53	Synthesis and luminescence properties of a broad-band red phosphor $\text{Ca}_3\text{Si}_2\text{O}_7:\text{Eu}^{2+}$ for warm white light-emitting diodes. <i>Journal of Luminescence</i> , 2012, 132, 71-75.	3.1	43
54	Luminescent properties of $\text{Li}_2\text{CaSiO}_4:\text{Eu}^{2+}$ phosphor. <i>Journal of Materials Science: Materials in Electronics</i> , 2012, 23, 599-604.	2.2	14

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55	Synthesis of BaSi ₂ O ₂ N ₂ :Ce ³⁺ ,Eu ²⁺ Phosphors and Determination of their Luminescence Properties. Journal of the American Ceramic Society, 2011, 94, 501-507.	3.8	52
56	Green emission from Tb-doped SrSi ₂ O ₂ N ₂ phosphors under ultraviolet light irradiation. Journal of Physics and Chemistry of Solids, 2011, 72, 233-235.	4.0	7
57	Structure and optical properties of InN and InAlN films grown by rf magnetron sputtering. Journal of Materials Science: Materials in Electronics, 2010, 21, 676-681.	2.2	21
58	Ce ³⁺ Eu ²⁺ energy transfer mechanism in the Li ₂ SrSiO ₄ :Eu ²⁺ , Ce ³⁺ phosphor. Optical Materials, 2010, 32, 632-636.	3.6	67
59	Influence of energy transfer from Ce ³⁺ to Eu ²⁺ on luminescence properties of CaSi ₂ O ₂ N ₂ :Ce ³⁺ , Eu ²⁺ phosphors. Optical Materials, 2010, 33, 99-102.	3.6	28
60	Band gap energy and bowing parameter of In-rich InAlN films grown by magnetron sputtering. Applied Surface Science, 2010, 256, 1812-1816.	6.1	37
61	Observation of Fluorescence and Phosphorescence in Ca ₂ MgSi ₂ O ₇ :Eu ²⁺ ,Dy ³⁺ Phosphors. Journal of the Electrochemical Society, 2010, 157, J69.	2.9	29
62	Luminescence and Energy-Transfer Mechanism in SrSi ₂ O ₂ N ₂ :Ce ³⁺ ,Eu ²⁺ Phosphors for White LEDs. Journal of the Electrochemical Society, 2010, 157, J34.	2.9	38
63	Crystal Structure and Luminescent Properties of Eu ²⁺ -Doped Li ₂ BaSiO ₄ with a Polymorph for White LEDs. Electrochemical and Solid-State Letters, 2010, 13, J21.	2.2	9
64	Crystal structure and luminescence of Li ₂ Ca _{0.7} Sr _{0.3} SiO ₄ :Eu ²⁺ and its application in multi-phosphor converted white LEDs. Journal of Alloys and Compounds, 2010, 493, 401-405.	5.5	32
65	Photoluminescent properties of SrSi ₂ O ₂ N ₂ :Eu ²⁺ phosphor: concentration related quenching and red shift behaviour. Journal Physics D: Applied Physics, 2009, 42, 065409.	2.8	67
66	Numerical Simulation of Thermal Conductivity of Particle Filled Epoxy Composites. Journal of Electronic Packaging, Transactions of the ASME, 2009, 131, .	1.8	20
67	Photoluminescence properties of Eu ²⁺ -activated CaSi ₂ O ₂ N ₂ : Redshift and concentration quenching. Journal of Applied Physics, 2009, 106, .	2.5	46
68	High thermal conductive epoxy molding compound with thermal conductive pathway. Journal of Applied Polymer Science, 2009, 113, 2117-2125.	2.6	65
69	Photoluminescence spectra tuning of Eu ²⁺ activated orthosilicate phosphors used for white light emitting diodes. Journal of Materials Science: Materials in Electronics, 2009, 20, 433-438.	2.2	33
70	Luminescence and energy transfer of Mn ²⁺ co-doped SrSi ₂ O ₂ N ₂ :Eu ²⁺ green-emitting phosphors. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2009, 164, 12-15.	3.5	39
71	Influence of Ba ²⁺ -doping on structural and luminescence properties of Sr ₂ SiO ₄ :Eu ²⁺ phosphors. Journal of Luminescence, 2009, 129, 1105-1108.	3.1	31
72	Frequency effects on the dielectric properties of AlN film deposited by radio frequency reactive magnetron sputtering. Microelectronic Engineering, 2009, 86, 2217-2221.	2.4	39

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73	White light-emitting Mg _{0.1} Sr _{1.9} SiO ₄ :Eu ²⁺ phosphors. Journal of Luminescence, 2008, 128, 489-493.	3.1	77
74	Li ₂ SrSiO ₄ :Eu ²⁺ phosphor prepared by the Pechini method and its application in white light emitting diode. Journal of Materials Research, 2008, 23, 3288-3294.	2.6	46
75	High Thermal Conductive Si ₃ N ₄ Particle Filled Epoxy Composites With a Novel Structure. Journal of Electronic Packaging, Transactions of the ASME, 2007, 129, 469-472.	1.8	50
76	A new method for preparation of direct bonding copper substrate on Al ₂ O ₃ . Materials Letters, 2007, 61, 4131-4133.	2.6	41
77	Thermal conductivity of ceramic particle filled polymer composites and theoretical predictions. Journal of Materials Science, 2007, 42, 6749-6754.	3.7	80
78	Preparation and properties of Si ₃ N ₄ /PS composites used for electronic packaging. Composites Science and Technology, 2007, 67, 2493-2499.	7.8	128
79	Cost-effective fabrication of porous $\hat{1}$ -SiAlON bonded $\hat{2}$ -SiAlON ceramics. Materials Letters, 2005, 59, 2601-2604.	2.6	8
80	Highly crystalline AlN particles synthesized by SHS method. Materials Letters, 2005, 59, 2605-2609.	2.6	14
81	Effect of homogenizing procedures on the slip casting of reaction sialon suspensions. Ceramics International, 2004, 30, 745-749.	4.8	10
82	Combustion synthesis of rod-like $\hat{1}$ -SiAlON seed crystals. Materials Letters, 2004, 58, 1956-1958.	2.6	16
83	Thermal conductivity of AlN ceramics sintered with CaF ₂ and YF ₃ . Ceramics International, 2003, 29, 893-896.	4.8	59
84	Effects of Li ₂ O on the low temperature sintering and thermal conductivity of AlN ceramics. Journal of the European Ceramic Society, 2003, 23, 1517-1524.	5.7	46
85	Effect of dispersant on the rheological properties and slip casting of concentrated sialon precursor suspensions. Journal of the European Ceramic Society, 2003, 23, 1525-1530.	5.7	42
86	Effect of the fluoride additives on the oxidation of AlN. Materials Research Bulletin, 2002, 37, 2427-2435.	5.2	13
87	Synthesis of aluminum nitride fibres from aluminum silicate fibres by carbothermal reduction method. Journal of Materials Science, 1999, 34, 3605-3608.	3.7	8