Renli Fu

List of Publications by Year
in descending order

87	2,330	147801	233421
papers	citations	31 h-index	45 g-index

88	88	88	2120
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Preparation and properties of Si3N4/PS composites used for electronic packaging. Composites Science and Technology, 2007, 67, 2493-2499.	7.8	128
2	Construction of 3D MXene/Silver nanowires aerogels reinforced polymer composites for extraordinary electromagnetic interference shielding and thermal conductivity. Chemical Engineering Journal, 2022, 427, 131540.	12.7	96
3	Thermal conductivity of ceramic particle filled polymer composites and theoretical predictions. Journal of Materials Science, 2007, 42, 6749-6754.	3.7	80
4	White light-emitting Mg0.1Sr1.9SiO4:Eu2+ phosphors. Journal of Luminescence, 2008, 128, 489-493.	3.1	77
5	Acoustic properties of glass fiber assembly-filled honeycomb sandwich panels. Composites Part B: Engineering, 2016, 96, 281-286.	12.0	75
6	Thermal conductivity and fire resistance of epoxy molding compounds filled with Si3N4 and Al(OH)3. Materials & Design, 2012, 34, 820-824.	5.1	72
7	MXene confined in shape-stabilized phase change material combining enhanced electromagnetic interference shielding and thermal management capability. Composites Science and Technology, 2021, 210, 108835.	7.8	71
8	Photoluminescent properties of SrSi₂O₂N₂â€‰:â€‰Eu²⁺phosphor: concentration related quenching and red shift behaviour. Journal Physics D: Applied Physics, 2009, 42, 065409.	2.8	67
9	Ce3+â†'Eu2+ energy transfer mechanism in the Li2SrSiO4:Eu2+, Ce3+ phosphor. Optical Materials, 2010, 32, 632-636.	3.6	67
10	High thermal conductive epoxy molding compound with thermal conductive pathway. Journal of Applied Polymer Science, 2009, 113, 2117-2125.	2.6	65
11	Thermal conductivity of AlN ceramics sintered with CaF2 and YF3. Ceramics International, 2003, 29, 893-896.	4.8	59
12	Synthesis of BaSi₂O₂N₂:Ce³⁺,Eu²⁺ Phosphors and Determination of their Luminescence Properties. Journal of the American Ceramic Society, 2011, 94, 501-507.	3.8	52
13	High Thermal Conductive Si3N4 Particle Filled Epoxy Composites With a Novel Structure. Journal of Electronic Packaging, Transactions of the ASME, 2007, 129, 469-472.	1.8	50
14	Electrical insulating MXene/PDMS/BN composite with enhanced thermal conductivity for electromagnetic shielding application. Composites Communications, 2021, 23, 100593.	6.3	47
15	Effects of Li2O on the low temperature sintering and thermal conductivity of AlN ceramics. Journal of the European Ceramic Society, 2003, 23, 1517-1524.	5.7	46
16	Li₂SrSiO₄:Eu²⁺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
17	Photoluminescence properties of Eu2+-activated CaSi2O2N2: Redshift and concentration quenching. Journal of Applied Physics, 2009, 106, .	2.5	46
18	Synthesis and luminescence properties of a broad-band red phosphor Ca3Si2O7:Eu2+ for warm white light-emitting diodes. Journal of Luminescence, 2012, 132, 71-75.	3.1	43

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19	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
20	A new method for preparation of direct bonding copper substrate on Al2O3. Materials Letters, 2007, 61, 4131-4133.	2.6	41
21	Flexible quantum dotâ€“PVA composites for white LEDs. Journal of Materials Chemistry C, 2015, 3, 257-264.	5.5	41
22	Low thermal expansion coefficient and high thermal conductivity epoxy/Al2O3/T-ZnOw composites with dual-scale interpenetrating network structure. Composites Part A: Applied Science and Manufacturing, 2020, 137, 105993.	7.6	40
23	Luminescence and energy transfer of Mn2+ co-doped SrSi2O2N2:Eu2+ green-emitting phosphors. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2009, 164, 12-15.	3.5	39
24	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
25	Luminescence and Energy-Transfer Mechanism in SrSi[sub 2]O[sub 2]N[sub 2]:Ce[sup 3+],Eu[sup 2+] Phosphors for White LEDs. Journal of the Electrochemical Society, 2010, 157, J34.	2.9	38
26	Photoluminescence properties of an orange-red LaSr2AlO5:Sm3+ phosphor prepared by the Pechini-type sol-gel process. Journal of Rare Earths, 2015, 33, 954-960.	4.8	38
27	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
28	Crystallization behaviour and properties of BaO-CaO-B 2 O 3 -SiO 2 glasses and glass-ceramics for LTCC applications. Ceramics International, 2018, 44, 10147-10153.	4.8	35
29	Novel PEG/EP form-stable phase change materials with high thermal conductivity enhanced by 3D ceramics network. Ceramics International, 2020, 46, 25285-25292.	4.8	34
30	Photoluminescence spectra tuning of Eu2+ activated orthosilicate phosphors used for white light emitting diodes. Journal of Materials Science: Materials in Electronics, 2009, 20, 433-438.	2.2	33
31	Crystal structure and luminescence of Li2Ca0.7Sr0.3SiO4:Eu2+ and its application in multi-phosphor converted white LEDs. Journal of Alloys and Compounds, 2010, 493, 401-405.	5.5	32
32	Influence of Ba2+-doping on structural and luminescence properties of Sr2SiO4:Eu2+ phosphors. Journal of Luminescence, 2009, 129, 1105-1108.	3.1	31
33	AlN/Cu composite ceramic substrate fabricated using a novel TiN/AgCuTi composite brazing alloy. Journal of the European Ceramic Society, 2020, 40, 5332-5338.	5.7	30
34	Observation of Fluorescence and Phosphorescence in Ca[sub 2]MgSi[sub 2]O[sub 7]:Eu[sup 2+],Dy[sup 3+] Phosphors. Journal of the Electrochemical Society, 2010, 157, J69.	2.9	29
35	Influence of energy transfer from Ce3+ to Eu2+ on luminescence properties of CaSi2O2N2:Ce3+, Eu2+ phosphors. Optical Materials, 2010, 33, 99-102.	3.6	28
36	A red-emitting phosphor LaSr2AlO5: Eu3+/Eu2+ prepared under oxidative and reductive atmospheres. Journal of Luminescence, 2015, 157, 46-52.	3.1	28

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37	Sound insulation of multi-layer glass-fiber felts: Role of morphology. Textile Reseach Journal, 2017, 87, 261-269.	2.2	28
38	Sound insulation properties of sandwich structures on glass fiber felts. Fibers and Polymers, 2015, 16, 1568-1577.	2.1	27
39	The flexible film of SCF/BN/PDMS composites with high thermal conductivity and electrical insulation. Composites Communications, 2021, 23, 100573.	6.3	26
40	Micromechanical and microstructure characterization of BaO-Sm2O3â€“5TiO2 ceramic with addition of Al2O3. Ceramics International, 2022, 48, 992-1005.	4.8	22
41	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
42	Luminous efficiency enhancement of WLEDs via patterned RGB phosphor arrays. Journal of Luminescence, 2019, 211, 1-7.	3.1	21
43	Numerical Simulation of Thermal Conductivity of Particle Filled Epoxy Composites. Journal of Electronic Packaging, Transactions of the ASME, 2009, 131, .	1.8	20
44	Morphology of thick film metallization on aluminum nitride ceramics and composition of interface layer. Ceramics International, 2015, 41, 13381-13388.	4.8	20
45	Epoxy-matrix composite with low dielectric constant and high thermal conductivity fabricated by HGMs/Al2O3 co-continuous skeleton. Journal of Alloys and Compounds, 2021, 869, 159332.	5.5	19
46	Enhanced bonding strength of Al2O3/AlN ceramics joined via glass frit with gradient thermal expansion coefficient. Ceramics International, 2020, 46, 12806-12811.	4.8	18
47	Combustion synthesis of rod-like Î±-SiAlON seed crystals. Materials Letters, 2004, 58, 1956-1958.	2.6	16
48	Effects of Ca2+ substitution on microstructure and microwave dielectric properties of low loss Ba(Mg1/3Nb2/3)O3 perovskite ceramics. Journal of Materials Science: Materials in Electronics, 2019, 30, 5726-5732.	2.2	15
49	Highly crystalline AlN particles synthesized by SHS method. Materials Letters, 2005, 59, 2605-2609.	2.6	14
50	Luminescent properties of Li2CaSiO4:Eu2+ phosphor. Journal of Materials Science: Materials in Electronics, 2012, 23, 599-604.	2.2	14
51	Processing technique and uniformity affecting tensile strength and hydrophobicity properties of glass wool felt. Fibers and Polymers, 2015, 16, 1587-1594.	2.1	14
52	A preparation method for Al/AlN ceramics substrates by using a CuO interlayer. Materials and Design, 2017, 130, 373-380.	7.0	14
53	Effect of the fluoride additives on the oxidation of AlN. Materials Research Bulletin, 2002, 37, 2427-2435.	5.2	13
54	Synthesis and microwave dielectric properties of BaO-Sm 2 O 3 -5TiO 2 ceramics with NdAlO 3 additions. Ceramics International, 2016, 42, 14573-14580.	4.8	12

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55	Effect of SiO₂ nanoparticlesâ€decorated SCF on mechanical and tribological properties of cenosphere/SCF/PEEK composites. Journal of Applied Polymer Science, 2020, 137, 48749.	2.6	12
56	Enhanced adhesion strength of silver paste on AlN ceramic substrate via sintered nano-CuO. Ceramics International, 2021, 47, 9471-9476.	4.8	12
57	Effect of homogenizing procedures on the slip casting of reaction sialon suspensions. Ceramics International, 2004, 30, 745-749.	4.8	10
58	Effect of cross-sectional morphology and composite structure of glass fiber felts on their corresponding acoustic properties. Fibers and Polymers, 2016, 17, 97-103.	2.1	10
59	Crystal Structure and Luminescent Properties of Eu[sup 2+]-Doped Li[sub 2]BaSiO[sub 4] with a Polymorph for White LEDs. Electrochemical and Solid-State Letters, 2010, 13, J21.	2.2	9
60	Ultra-low thermal expansion coefficient of PZB/Î²-eucryptite composite glass for MEMS packaging. Ceramics International, 2020, 46, 8385-8390.	4.8	9
61	Enhanced dielectric properties and chemical bond characteristics of ZnNb2O6 ceramics due to zinc oxide doping. Ceramics International, 2022, 48, 82-89.	4.8	9
62	Synthesis of aluminum nitride fibres from aluminum silicate fibres by carbothermal reduction method. Journal of Materials Science, 1999, 34, 3605-3608.	3.7	8
63	Cost-effective fabrication of porous Î±-SiAlON bonded Î²-SiAlON ceramics. Materials Letters, 2005, 59, 2601-2604.	2.6	8
64	Influence of cenosphere on tribological properties of short carbon fiber reinforced PEEK composites. Journal of Applied Polymer Science, 2019, 136, 47245.	2.6	8
65	Green emission from Tb-doped SrSi2O2N2 phosphors under ultraviolet light irradiation. Journal of Physics and Chemistry of Solids, 2011, 72, 233-235.	4.0	7
66	Influence of rare earth substitution in Ca0.66Ti0.66R0.34Al0.34O3 (RÂ=ÂLa,ÂSm, Nd) ceramics on crystal structure and microwave dielectric properties. Journal of Alloys and Compounds, 2017, 693, 454-461.	5.5	7
67	Tunable luminescence and energy transfer from Ce3+ to Dy3+ in Ca3Al2O6 host matrix prepared via a facile sol-gel process. Journal of Alloys and Compounds, 2019, 810, 151960.	5.5	7
68	Multi-colour light emission based on pixel-array phosphor layer in LEDs. Journal of Luminescence, 2020, 221, 117057.	3.1	7
69	Bonding of Al to Al2O3 via Alâ€“Cu eutectic method. Materials and Design, 2015, 87, 619-624.	7.0	6
70	Sintering behavior, microstructure, and microwave dielectric properties of Ca0.66Ti0.66Sm0.34Al0.34O3 ceramics. Ceramics International, 2016, 42, 19036-19041.	4.8	6
71	Sintering behavior, microwave dielectric properties of Ca0.66Ti0.66Nd0.34Al0.34O3 ceramics revealed by microstructure and Raman scattering. Journal of Alloys and Compounds, 2019, 785, 335-342.	5.5	6
72	Simulation of optical behavior of YAG:Ce3+@SiO2 phosphor used for chip scale packages WLED. Journal of Luminescence, 2022, 244, 118699.	3.1	5

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73	Influence of the processing way for La3+-doping on crystal structure, microstructure, and microwave dielectric properties of Ca0.7Ti0.7La0.3Al0.3O3 ceramics. Ceramics International, 2016, 42, 18108-18115.	4.8	4
74	SCF-NiFe2O4/epoxy composites with high thermal conductivity and electromagnetic interference resistance. Journal of Materials Science: Materials in Electronics, 2020, 31, 21325-21334.	2.2	4
75	Crystal structure and microwave dielectric properties of (Ba1â^'Î± Sr Î±) Sm2Ti4O12 solid solutions. Journal of Materials Science: Materials in Electronics, 2016, 27, 11137-11141.	2.2	3
76	Novel blue-emitting KBaGdSi2O7:Eu2+ phosphor used for near-UV white-light LED. Journal of Materials Science: Materials in Electronics, 2020, 31, 3159-3165.	2.2	3
77	Interfacial strength and microstructure of AlN/Cu joints produced by a novel brazing method facilitated by porous copper layer and Ag foil. Journal of Materials Science: Materials in Electronics, 2021, 32, 15826-15836.	2.2	3
78	Tailoring the photoluminescence properties of lanthanum strontium aluminate phosphors by controlling crystal field environment with fluorine ions. Journal of Rare Earths, 2016, 34, 1089-1094.	4.8	2
79	Characterization of Glass Insulating Thick Films with Ag Conductors for Multilayer Packages. Materials, 2021, 14, 494.	2.9	2
80	Effect of Organizational Evolution on the Stress Corrosion Cracking of the Cr-Co-Ni-Mo Series of Ultra-High Strength Stainless Steel. Materials, 2022, 15, 497.	2.9	2
81	Influence of nano-SiO2/copper electroless composite plating on morphologies and properties of Cu thick films on Al2O3. Journal of Materials Science: Materials in Electronics, 2015, 26, 8350-8357.	2.2	1
82	Synthesis, characterization and dielectric properties of xBaTi4O9â€“(1Ââ^'Âx)BaSm2Ti4O12. Journal of Materials Science: Materials in Electronics, 2017, 28, 4328-4332.	2.2	1
83	Synthesis and luminescence enhancement of CaySr4â^'xâ^'yAl2O7:xEu2+ phosphors by a novel halide-assisted solid-state reaction method. Journal of Materials Science: Materials in Electronics, 2018, 29, 10487-10493.	2.2	1
84	Low temperature sintered of Ba3MgNb2O9 ceramics with high quality factor via B-site oxide precursor method. Journal of Materials Science: Materials in Electronics, 2020, 31, 20245-20254.	2.2	1
85	Hybrid silver pastes with synergistic effect of multi-scale silver fillers and the application in flexible circuits. Materials Research Express, 2021, 8, 096303.	1.6	1
86	Microstructure and quality factor of Mg4Nb2O9 ceramics via B-site precursor method. Materials Letters, 2021, 293, 129704.	2.6	0
87	Effect of niobium alloying on the austenite grain growth and mechanical properties of ultrahigh-strength stainless steel. Materials Research Express, 2022, 9, 026511.	1.6	0