Luchao Ren

List of Publications by Year
in descending order

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19	258	1040056 9	940533 16
papers	citations	h-index	g-index

19	19	19	143
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Microstructure, sinterability and properties of CaO-B 2 O 3 -SiO 2 glass/Al 2 O 3 composites for LTCC application. Ceramics International, 2017, 43, 6791-6795.	4.8	61
2	The tape casting process for manufacturing lowâ€temperature coâ€fired ceramic green sheets: A review. Journal of the American Ceramic Society, 2018, 101, 3874-3889.	3.8	45
3	Microstructure, sintering and properties of CaOâ€“Al2O3â€“B2O3â€“SiO2 glass/Al2O3 composites with different CaO contents. Journal of Materials Science: Materials in Electronics, 2016, 27, 5446-5451.	2.2	29
4	Synthesis and characteristics of borosilicate-based glassâ€“ceramics with different SiO2 and Na2O contents. Journal of Alloys and Compounds, 2015, 646, 780-786.	5.5	25
5	Synthesis and characterization of LTCC compositions with middle permittivity based on CaO-B2O3-SiO2 glass/CaTiO3 system. Journal of the European Ceramic Society, 2017, 37, 619-623.	5.7	23
6	Fabrication of a high-performance film based borosilicate glass/Al 2 O 3 ceramics for LTCC application. Journal of the European Ceramic Society, 2017, 37, 2415-2421.	5.7	21
7	Application of composite binders in the fabrication of LTCC green tape based on the borosilicate glass/Al2O3 system with optimized Ca/Mg ratios. Ceramics International, 2020, 46, 25979-25986.	4.8	13
8	Optimization of tape casting process via surface modification of glass/Al2O3 powder. Journal of Materials Science: Materials in Electronics, 2016, 27, 9877-9884.	2.2	11
9	Effects of ZrO2â€“ZnO on the sintering behavior and microwave dielectric properties of 0.65CaTiO3â€“0.35SmAlO3 ceramics. Journal of Materials Science: Materials in Electronics, 2016, 27, 12834-12839.	2.2	10
10	Sintering behavior, structure, and microwave properties of novel Li2Cu1-MoO4 ceramics. Ceramics International, 2022, 48, 17225-17233.	4.8	6
11	Modification of tape casting slurry via effective plasticization by butyl benzyl phthalate of CaOâ€“SiO2â€“B2O3 glassâ€“ceramics. Journal of Materials Science: Materials in Electronics, 2018, 29, 20546-20553.	2.2	3
12	Optimization of borosilicate glass/CaTiO₃â€“TiO₂ composite via altering prefiring temperature and particle size. International Journal of Applied Ceramic Technology, 2019, 16, 77-87.	2.1	3
13	Influence of Nd2O3/SrO additives on sintering characteristics and microwave dielectric properties of (Zr0.8Sn0.2)TiO4 ceramics. Journal of Materials Science: Materials in Electronics, 2019, 30, 491-498.	2.2	3
14	Effect of ferroelectric material activity on dielectric properties of ferroelectricâ€“dielectric composite ceramics. Journal of Materials Science: Materials in Electronics, 2021, 32, 14006-14013.	2.2	2
15	Sintering behaviour and microwave dielectric properties of MgO/Eu2O3-doped 0.65CaTiO3â€“0.35SmAlO3 ceramics. Journal of Materials Science: Materials in Electronics, 2019, 30, 9372-9378.	2.2	1
16	Co-firing compatibility of LTCC hetero-laminates with low and middle permittivity. Journal of Materials Science: Materials in Electronics, 2020, 31, 12282-12291.	2.2	1
17	Structure and dielectric properties of Ba1â^'xSrxCuSi2O6-Ba0.55Sr0.45TiO3 ferroelectric-dielectric composite ceramics. Journal of Materials Science: Materials in Electronics, 2021, 32, 21318-21325.	2.2	1
18	Effect of phase distribution on dielectric properties of ferroelectric-dielectric composite ceramics. Journal of Asian Ceramic Societies, 2020, 8, 711-720.	2.3	0

#	Article	IF	Citations
19	Effect of grain morphology and ion diffusion on the dielectric properties of ferroelectric-dielectric composite ceramics. Materials Technology, 0, , 1-6.	3.0	0