Jobin Varghese

List of Publications by Year
in descending order

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Version: 2024-02-01

48	937	430874	454955
papers	citations	18	30
		h-index	g-index

49	49	49	897
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Volume crystallization and microwave dielectric properties of indialite/cordierite glass by TiO2 addition. Ceramics International, 2021, 47, 2735-2742.	4.8	21
2	Multilayer Glassâ€“Ceramic/Ceramic Composite Substrates. , 2021, , 437-451.		2
3	Temperature-Stable x(Na_{0.5}Bi_{0.5})MoO₄â€“(1â€“x)MoO₃ Composite Ceramics with Ultralow Sintering Temperatures and Low Dielectric Loss for Dielectric Resonator Antenna Applications. ACS Applied Electronic Materials, 2021, 3, 2286-2296.	4.3	22
4	Dielectric Properties of BaZr0.2[Ti(1-x)Mgx/3Ta2x/3]0.8O3 Solid Solution. Frontiers in Materials, 2021, 8, .	2.4	0
5	Editorial: Dielectric Ceramics for Electronic Applications. Frontiers in Materials, 2021, 8, .	2.4	2
6	PVDF-SIC Composite Thick Films an Effective ESD Composition for Growing Anti-static Applications. Journal of Electronic Materials, 2020, 49, 1638-1645.	2.2	6
7	A Temperature-Responsive Copper Molybdate Polymorph Mixture near to Water Boiling Point by a Simple Cryogenic Quenching Route. ACS Applied Materials & Interfaces, 2020, 12, 1046-1053.	8.0	14
8	Ultralow temperature cofired BiZn₂<scp>VO</scp>₆ dielectric ceramics doped with B₂O₃ and Li₂<scp>CO</scp>₃ for <scp>ULTCC</scp> applications. Journal of the American Ceramic Society, 2019, 102, 1218-1226.	3.8	21
9	Effect of VMD decomposition of soleus muscle EMG in SVM classification. , 2019, , .		2
10	Ultra-Low-Temperature Cofired Ceramic Substrates with Low Residual Carbon for Next-Generation Microwave Applications. ACS Applied Materials & Interfaces, 2019, 11, 23798-23807.	8.0	37
11	Investigation of gait cycle deviation over surface irregularities utilizing muscle activities. Bio-Medical Materials and Engineering, 2019, 30, 267-277.	0.6	2
12	Recycling perovskite solar cells through inexpensive quality recovery and reuse of patterned indium tin oxide and substrates from expired devices by single solvent treatment. Solar Energy Materials and Solar Cells, 2019, 194, 74-82.	6.2	39
13	ULTCC Glass Composites Based on Rutile and Anatase with Cofiring at 400 Â°C for High Frequency Applications. ACS Sustainable Chemistry and Engineering, 2019, 7, 4274-4283.	6.7	19
14	Micro/Millimeter-Wave Dielectric Indialite/Cordierite Glass-Ceramics Applied as LTCC and Direct Casting Substrates: Current Status and Prospects. Journal of the Korean Ceramic Society, 2019, 56, 526-533.	2.3	33
15	Multilayer Functional Tapes Cofired at 450 Â°C: Beyond HTCC and LTCC Technologies. ACS Applied Materials & Interfaces, 2018, 10, 11048-11055.	8.0	21
16	Ultra-low sintering temperature ceramic composites of CuMoO4 through Ag2O addition for microwave applications. Composites Part B: Engineering, 2018, 141, 214-220.	12.0	43
17	Microwave dielectric properties of low-temperature sinterable Î±-MoO3. Journal of the European Ceramic Society, 2018, 38, 1541-1547.	5.7	32
18	Approach to Fabricate Rigid Substrate for 2.4ÂGHz Inverted-F Antenna Using a Room Temperature Curable Dielectric Ink on Photo and Nanopaper. Journal of Electronic Materials, 2018, 47, 3957-3962.	2.2	3

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19	Graphite reinforced polyvinylidene fluoride composites an efficient and sustainable solution for electromagnetic pollution. Composites Part B: Engineering, 2017, 123, 271-278.	12.0	58
20	In situ polymerized polyaniline nanofiber-based functional cotton and nylon fabrics as millimeter-wave absorbers. Polymer Journal, 2017, 49, 391-399.	2.7	43
21	Novel low-temperature sintering ceramic substrate based on indialite/cordierite glass ceramics. Japanese Journal of Applied Physics, 2017, 56, 10PE01.	1.5	13
22	A rotary pneumatic actuator for the actuation of the exoskeleton knee joint. Theoretical and Applied Mechanics Letters, 2017, 7, 222-230.	2.8	6
23	Peltier integrated heating & cooling jacket. , 2017, , .		3
24	Torque required at the knee joint of a robotic assistive device for its thigh to follow the parabolic trajectory generated by its hip joint during sit-to-stand posture. , 2017, , .		1
25	Determination of optimum energy level trajectory during swing phase for exoskeleton knee joint. , 2016, , .		0
26	Glass-Free CuMoO₄ Ceramic with Excellent Dielectric and Thermal Properties for Ultralow Temperature Cofired Ceramic Applications. ACS Sustainable Chemistry and Engineering, 2016, 4, 5632-5639.	6.7	86
27	Artificial neural network based study of torque at knee during sit to stand and back to sit movements. , 2016, , .		1
28	Structural, Dielectric, and Thermal Properties of Pb Free Molybdate Based Ultralow Temperature Glass. ACS Sustainable Chemistry and Engineering, 2016, 4, 3897-3904.	6.7	46
29	A facile formulation and excellent electromagnetic absorption of room temperature curable polyaniline nanofiber based inks. Journal of Materials Chemistry C, 2016, 4, 999-1008.	5.5	64
30	Dielectric, thermal and mechanical properties of zirconium silicate reinforced high density polyethylene composites for antenna applications. Physical Chemistry Chemical Physics, 2015, 17, 14943-14950.	2.8	35
31	Self assembled polyaniline nanofibers with enhanced electromagnetic shielding properties. RSC Advances, 2015, 5, 20459-20466.	3.6	72
32	Hafnium silicate: a new microwave dielectric ceramic with low thermal expansivity. Dalton Transactions, 2015, 44, 5146-5152.	3.3	46
33	Room temperature curable zirconium silicate dielectric ink for electronic applications. Journal of Materials Chemistry C, 2015, 3, 9240-9246.	5.5	14
34	Theoretical validation of pneumatically actuated below-hip orthosis for partially paralysed subjects. , 2015, , .		0
35	Performance analysis of synchronous and receiver initiated MAC protocols under varying traffic density over Wireless Sensor Networks. , 2014, , .		0
36	Low power area optimized novel architecture for Software Defined Radio in FPGA. , 2014, , .		0

#	Article	IF	Citations
37	Dynamic duty-cycled MAC for wireless sensor networks with energy harvesters. , 2014, , .		4
38	Energy efficient exponential decision MAC for energy harvesting-wireless sensor networks. , 2014, , .		8
39	Structural, dielectric and thermal properties of Ca9R2W4O24 [Râ€“Nd, Sm] ceramics. Materials Chemistry and Physics, 2014, 148, 96-102.	4.0	5
40	Room temperature curable silica ink. RSC Advances, 2014, 4, 47701-47707.	3.6	18
41	Microwave dielectric and thermal properties of mixed rare earth ortho phosphate [REmixPO4]. Ceramics International, 2014, 40, 13075-13081.	4.8	11
42	Effect of glass fillers in Cu2ZnNb2O8 ceramics for advanced microwave applications. Materials Chemistry and Physics, 2013, 137, 811-815.	4.0	17
43	A NOVEL DIELECTRIC CERAMIC FOR MICROWAVE PASSIVE CIRCUITS. International Journal of Modern Physics Conference Series, 2013, 22, 153-158.	0.7	1
44	Effect of amorphous fillers on low loss ceramics for advanced microwave electronics. , 2011, , .		0
45	SOL-GEL DERIVED TiSiO[sub 4] CERAMICS FOR HIGH-k GATE DIELECTRIC APPLICATIONS. , 2011, , .		7
46	ZrSiO4 ceramics for microwave integrated circuit applications. Materials Letters, 2011, 65, 1092-1094.	2.6	39
47	Crystal Structure and Microwave Dielectric Properties of LaLuO₃ Ceramics. Journal of the American Ceramic Society, 2010, 93, 2960-2963.	3.8	18
48	Dielectric Losses of Microwave Ceramics Based on Crystal Structure. , 0, , .		2