Jobin Varghese

List of Publications by Year
in descending order

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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	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
2	Self assembled polyaniline nanofibers with enhanced electromagnetic shielding properties. RSC Advances, 2015, 5, 20459-20466.	3.6	72
3	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
4	Graphite reinforced polyvinylidene fluoride composites an efficient and sustainable solution for electromagnetic pollution. Composites Part B: Engineering, 2017, 123, 271-278.	12.0	58
5	Hafnium silicate: a new microwave dielectric ceramic with low thermal expansivity. Dalton Transactions, 2015, 44, 5146-5152.	3.3	46
6	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
7	In situ polymerized polyaniline nanofiber-based functional cotton and nylon fabrics as millimeter-wave absorbers. Polymer Journal, 2017, 49, 391-399.	2.7	43
8	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
9	ZrSiO4 ceramics for microwave integrated circuit applications. Materials Letters, 2011, 65, 1092-1094.	2.6	39
10	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
11	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
12	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
13	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
14	Microwave dielectric properties of low-temperature sinterable Î±-MoO3. Journal of the European Ceramic Society, 2018, 38, 1541-1547.	5.7	32
15	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
16	Multilayer Functional Tapes Cofired at 450 Â°C: Beyond HTCC and LTCC Technologies. ACS Applied Materials & Interfaces, 2018, 10, 11048-11055.	8.0	21
17	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
18	Volume crystallization and microwave dielectric properties of indialite/cordierite glass by TiO2 addition. Ceramics International, 2021, 47, 2735-2742.	4.8	21

#	Article	IF	Citations
19	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
20	Crystal Structure and Microwave Dielectric Properties of LaLuO₃ Ceramics. Journal of the American Ceramic Society, 2010, 93, 2960-2963.	3.8	18
21	Room temperature curable silica ink. RSC Advances, 2014, 4, 47701-47707.	3.6	18
22	Effect of glass fillers in Cu2ZnNb2O8 ceramics for advanced microwave applications. Materials Chemistry and Physics, 2013, 137, 811-815.	4.0	17
23	Room temperature curable zirconium silicate dielectric ink for electronic applications. Journal of Materials Chemistry C, 2015, 3, 9240-9246.	5.5	14
24	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
25	Novel low-temperature sintering ceramic substrate based on indialite/cordierite glass ceramics. Japanese Journal of Applied Physics, 2017, 56, 10PE01.	1.5	13
26	Microwave dielectric and thermal properties of mixed rare earth ortho phosphate [REmixPO4]. Ceramics International, 2014, 40, 13075-13081.	4.8	11
27	Energy efficient exponential decision MAC for energy harvesting-wireless sensor networks. , 2014, , .		8
28	SOL-GEL DERIVED TiSiO[sub 4] CERAMICS FOR HIGH-k GATE DIELECTRIC APPLICATIONS. , 2011, , .		7
29	A rotary pneumatic actuator for the actuation of the exoskeleton knee joint. Theoretical and Applied Mechanics Letters, 2017, 7, 222-230.	2.8	6
30	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
31	Structural, dielectric and thermal properties of Ca9R2W4O24 [Râ€“Nd, Sm] ceramics. Materials Chemistry and Physics, 2014, 148, 96-102.	4.0	5
32	Dynamic duty-cycled MAC for wireless sensor networks with energy harvesters. , 2014, , .		4
33	Peltier integrated heating & cooling jacket. , 2017, , .		3
34	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
35	Effect of VMD decomposition of soleus muscle EMG in SVM classification. , 2019, , .		2
36	Investigation of gait cycle deviation over surface irregularities utilizing muscle activities. Bio-Medical Materials and Engineering, 2019, 30, 267-277.	0.6	2

#	Article	IF	Citations
37	Dielectric Losses of Microwave Ceramics Based on Crystal Structure. , 0, , .		2
38	Multilayer Glassâ€“Ceramic/Ceramic Composite Substrates. , 2021, , 437-451.		2
39	Editorial: Dielectric Ceramics for Electronic Applications. Frontiers in Materials, 2021, 8, .	2.4	2
40	A NOVEL DIELECTRIC CERAMIC FOR MICROWAVE PASSIVE CIRCUITS. International Journal of Modern Physics Conference Series, 2013, 22, 153-158.	0.7	1
41	Artificial neural network based study of torque at knee during sit to stand and back to sit movements. , 2016, , .		1
42	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
43	Effect of amorphous fillers on low loss ceramics for advanced microwave electronics. , 2011, , .		0
44	Performance analysis of synchronous and receiver initiated MAC protocols under varying traffic density over Wireless Sensor Networks. , 2014, , .		0
45	Low power area optimized novel architecture for Software Defined Radio in FPGA. , 2014, , .		0
46	Theoretical validation of pneumatically actuated below-hip orthosis for partially paralysed subjects. , 2015, , .		0
47	Determination of optimum energy level trajectory during swing phase for exoskeleton knee joint. , 2016, , .		0
48	Dielectric Properties of BaZr0.2[Ti(1-x)Mgx/3Ta2x/3]0.8O3 Solid Solution. Frontiers in Materials, 2021, 8, .	2.4	0