

PThomas

List of Publications by Year in descending order

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papers

1,067
citations

471509

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677142

22
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31
docs citations

31
times ranked

1202
citing authors

#	ARTICLE	IF	CITATIONS
1	Dielectric properties of Poly(vinylidene fluoride)/CaCu ₃ Ti ₄ O ₁₂ composites. Composites Science and Technology, 2010, 70, 539-545.	7.8	258
2	Dielectric properties of poly(vinylidene fluoride)/CaCu ₃ Ti ₄ O ₁₂ nanocrystal composite thick films. EXPRESS Polymer Letters, 2010, 4, 632-643.	2.1	124
3	Efficient Solar Energy Conversion Using CaCu ₃ Ti ₄ O ₁₂ Photoanode for Photocatalysis and Photoelectrocatalysis. Scientific Reports, 2016, 6, 18557.	3.3	83
4	Nanoparticles of the giant dielectric material, CaCu ₃ Ti ₄ O ₁₂ from a precursor route. Journal of Physics and Chemistry of Solids, 2008, 69, 2594-2604.	4.0	65
5	A study on the effect of the type and content of filler in epoxy-glass composite system on the friction and slide wear characteristics. Wear, 2005, 259, 634-641.	3.1	63
6	Synthesis of nanoparticles of the giant dielectric material, CaCu ₃ Ti ₄ O ₁₂ from a precursor route. Journal of Thermal Analysis and Calorimetry, 2009, 95, 267-272.	3.6	55
7	Piezoelectric properties of individual nanocrystallites of Ba _{0.85} Ca _{0.15} Zr _{0.1} Ti _{0.9} O ₃ obtained by oxalate precursor route. Journal of Materials Chemistry C, 2015, 3, 4762-4770.	5.5	44
8	In situ synthesis and characterization of polyaniline-CaCu ₃ Ti ₄ O ₁₂ nanocrystal composites. Synthetic Metals, 2009, 159, 2128-2134.	3.9	39
9	Structural, thermal and electrical properties of poly(methyl methacrylate)/CaCu ₃ Ti ₄ O ₁₂ composite sheets fabricated via melt mixing. Journal of Thermal Analysis and Calorimetry, 2014, 115, 1311-1319.	3.6	37
10	Effect of calcium stoichiometry on the dielectric response of CaCu ₃ Ti ₄ O ₁₂ ceramics. Journal of the European Ceramic Society, 2012, 32, 1681-1690.	5.7	35
11	Synthetic ester oil based high permittivity CaCu ₃ Ti ₄ O ₁₂ (CCTO) nanofluids an alternative insulating medium for power transformer. IEEE Transactions on Dielectrics and Electrical Insulation, 2019, 26, 314-321.	2.9	33
12	Microwave synthesis and sintering characteristics of CaCu ₃ Ti ₄ O ₁₂ . Bulletin of Materials Science, 2007, 30, 567-570.	1.7	30
13	Polyaniline/CaCu ₃ Ti ₄ O ₁₂ nanofiber composite with a synergistic effect on visible light photocatalysis. RSC Advances, 2015, 5, 87241-87250.	3.6	28
14	Symmetric supercapacitor performances of CaCu ₃ Ti ₄ O ₁₂ decorated polyaniline nanocomposite. Electrochimica Acta, 2018, 292, 558-567.	5.2	28
15	Enhanced energy storage performance of glass added 0.715Bi _{0.5} Na _{0.5} TiO ₃ -0.065BaTiO ₃ -0.22SrTiO ₃ ferroelectric ceramics. Journal of Asian Ceramic Societies, 2015, 3, 383-389.	2.3	21
16	Structural, thermal and dielectric properties and thermal degradation kinetics of nylon 11/CaCu ₃ Ti ₄ O ₁₂ (CCTO) nanocomposites. Journal of Thermal Analysis and Calorimetry, 2020, 141, 1123-1135.	3.6	20
17	Effect of Sr ₂ TiMnO ₆ fillers on mechanical, dielectric and thermal behaviour of PMMA polymer. Journal of Advanced Dielectrics, 2015, 05, 1550018.	2.4	17
18	Structural, thermal and dielectric behavior of Polyaryletherketone (PAEK)/CaCu ₃ Ti ₄ O ₁₂ (CCTO) nanocomposite films. Ceramics International, 2019, 45, 25052-25059.	4.8	13

#	ARTICLE	IF	CITATIONS
19	Dielectric properties of Poly(methyl methacrylate) (PMMA)/CaCu ₃ Ti ₄ O ₁₂ composites. , 2012, , .		12
20	Dielectric properties of nylon 11/CaCu ₃ Ti ₄ O ₁₂ (CCTO) nanocomposite films with high permittivity. IEEE Transactions on Dielectrics and Electrical Insulation, 2019, 26, 568-575.	2.9	11
21	Ageing studies on paper and oil to assess the condition of solid insulation used in power transformers. , 0, , .		9
22	Fabrication and characterization of poly(methyl methacrylate)/CaCu ₃ Ti ₄ O ₁₂ composites. Polymer Engineering and Science, 2014, 54, 551-558.	3.1	8
23	Ageing characteristics of synthetic liquids. , 0, , .		7
24	Biodegradable dielectric liquids for transformer applications. , 2005, , .		6
25	Effect of benzotriazole and 2,6 ditertiary butyl para cresol on the accelerated oxidation of new and reclaimed transformer oils-a comparative study. , 0, , .		5
26	Influence of moisture absorption on electrical characteristics of glass-epoxy polymer composite system. , 2005, , .		5
27	Effect on dielectric, structural and thermal behaviour of $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$ CaCu ₃ Ti ₄ O. Bulletin of Materials Science, 2019, 42, 1.	1.7	4
28	Dielectric liquid from vegetable origin-Indian beech oil. , 0, , .		3
29	Effect of TeO ₂ addition on the dielectric properties of CaCu ₃ Ti ₄ O ₁₂ ceramics derived from the oxalate precursor route. Journal of Advanced Dielectrics, 2013, 03, 1350028.	2.4	2
30	Synthesis and evaluation of oleic acid esters as dielectric liquids. , 0, , .		1
31	Dielectric and Thermal Behavior of PTFE/Sr ₂ TiMnO ₆ (STMO) Composites. , 2019, , .		1