

S Premkumar

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

166
citations

1307594

7
h-index

1281871

11
g-index

23
all docs

23
docs citations

23
times ranked

186
citing authors

#	ARTICLE	IF	CITATIONS
1	Rheology studies of NTO-TNT based melt-cast dispersions and influence of particle-dispersant interactions. Powder Technology, 2015, 273, 118-124.	4.2	17
2	Surface modification of UHMWPE using ECR plasma for osteoblast and osteoclast differentiation. Applied Surface Science, 2020, 506, 144665.	6.1	16
3	A comprehensive study of pressure dependent phase transitions in ferroelectric PbTiO ₃ , PbZrO ₃ and BaTiO ₃ . Materials Chemistry and Physics, 2020, 254, 123545.	4.0	15
4	Structure-property correlation of precipitation hardened AZ91 magnesium alloy. Materials Science and Technology, 2004, 20, 835-838.	1.6	12
5	Lithium niobate nanoparticle-coated Y-coupler optical fiber for enhanced electro-optic sensitivity. Optics Letters, 2015, 40, 491.	3.3	12
6	Understanding A and B-site engineered lead-free Ba _(1-x) Ca _x Zr _y Ti _(1-y) O ₃ piezoceramics: a perspective from DFT. Journal of Materials Chemistry C, 2021, 9, 4248-4259.	5.5	12
7	Improved ferroelectric and piezoelectric properties of tape casted free standing PSLZT thick films. Materials Research Express, 2019, 6, 026303.	1.6	9
8	Design, analysis and experimental investigation of a rotational piezoelectric energy harvester with storage system. Journal of Mechanical Science and Technology, 2020, 34, 4475-4487.	1.5	8
9	Dielectric and ferroelectric properties of (1-x)PMN-(x)PT synthesized by co-precipitation method. Ferroelectrics, 2017, 516, 8-17.	0.6	7
10	Magnetic and magnetostrictive properties of tape casted free standing NZFO thick films and its composite with piezoelectric phase. Journal of Magnetism and Magnetic Materials, 2019, 490, 165523.	2.3	7
11	Enhanced strain derivative of Ho substituted cobalt ferrite and improved magnetoelectric coupling in co-sintered bi-layered ME composites. Sensors and Actuators A: Physical, 2020, 301, 111716.	4.1	7
12	Effect of Sr and La co-doping on structural and electrical properties of RF sputtered PZT thin films. Materials Research Express, 2020, 7, 026406.	1.6	7
13	Behaviour of Pb (Ni _{1/3} Sb _{2/3})O ₃ -PbZrTiO ₃ ferroelectric ceramics under cyclic electric loading. Journal of Materials Science: Materials in Electronics, 2013, 24, 1989-1993.	2.2	5
14	Microstructural analysis of co-sintered PSLZT-NZFO layered magnetoelectric composite. Ferroelectrics, 2017, 516, 60-66.	0.6	5
15	Ferroelectric and piezoelectric properties of PSLZT multilayer / NZFO co-sintered magnetoelectric composites fabricated by tape casting. Journal of the European Ceramic Society, 2019, 39, 5267-5276.	5.7	5
16	Studies on ferroelectric and nanomechanical response of single-layered PZT thick film for energy harvester applications. Ferroelectrics, 2019, 551, 17-23.	0.6	5
17	Structural and morphological tuning of iron oxide polymorphs by ECR plasma-assisted thermal oxidation. RSC Advances, 2020, 10, 32088-32101.	3.6	5
18	Microstructural evolution of 0.75PMN-0.25PT ferroelectrics synthesized by hydroxide co-precipitation method and their dielectric properties. Journal of Materials Science: Materials in Electronics, 2017, 28, 5485-5497.	2.2	4

#	ARTICLE	IF	CITATIONS
19	Characterization of PZT multi-layer actuator. , 2012, , .		2
20	First-principles study of polarization and piezoelectric properties of PbZrO ₃ . AIP Conference Proceedings, 2018, , .	0.4	2
21	Effect of co-sintering time on magnetoelectric response of Pb _{0.895} Sr _{0.06} La _{0.03} (Zr _{0.56} Ti _{0.44})O ₃ multilayer–Ni _{0.6} Zn _{0.4} Fe ₂ O ₄ composite fabricated by tape casting. Journal of Applied Physics, 2019, 126, .	2.5	2
22	Key issues and challenges in device level fabrication of MEMS acoustic sensors using piezo thin films doped with strontium and lanthanum. Journal of Materials Science: Materials in Electronics, 2022, 33, 11271-11280.	2.2	2
23	Migration of Conventional PZT to Thin Film PZT for Underwater Acoustic Sensing Applications. , 2021, , .		0