

Atul Thakre

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

423
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759055

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times ranked

433
citing authors

#	ARTICLE	IF	CITATIONS
1	Asymmetric resistive switching by anion out-diffusion mechanism in transparent Al/ZnO/ITO heterostructure for memristor applications. <i>Surfaces and Interfaces</i> , 2022, , 101950.	1.5	7
2	Highly Reliable Passive RFID-Based Inductor-Capacitor Sensory System Strengthened by Solvatochromism for Fast and Wide-Range Lactate Detection. <i>IEEE Sensors Journal</i> , 2022, 22, 12228-12236.	2.4	3
3	First principle understanding of antiferroelectric ordering in La-doped silver niobate. <i>Physica B: Condensed Matter</i> , 2022, 640, 414040.	1.3	2
4	Effect of irradiation on pyroelectric and electrocaloric parameters in lead-free relaxor ferroelectric ceramic. <i>Materials Today Communications</i> , 2022, 32, 103924.	0.9	6
5	Enhanced pyroelectric response from domain-engineered lead-free (K _{0.5} Bi _{0.5} TiO ₃ -BaTiO ₃)-Na _{0.5} Bi _{0.5} TiO ₃ ferroelectric ceramics. <i>Journal of the European Ceramic Society</i> , 2021, 41, 2524-2532.	2.8	18
6	Increased Energy-Storage Density and Superior Electric Field and Thermally Stable Energy Efficiency of Aerosol-Deposited Relaxor (Pb _{0.89} La _{0.11})(Zr _{0.70} Ti _{0.30})O ₃ Films. <i>Journal of Thermal Spray Technology</i> , 2021, 30, 591-602.	1.6	16
7	Enhancement of Energy-Harvesting Performance of Magneto-Mechano-Electric Generators through Optimization of the Interfacial Layer. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 19983-19991.	4.0	18
8	High performance of polycrystalline piezoelectric ceramic-based magneto-mechano-electric energy generators. <i>Journal of Asian Ceramic Societies</i> , 2021, 9, 1290-1297.	1.0	8
9	Induced slim ferroelectric hysteresis loops and enhanced energy-storage properties of Mn-doped (Pb _{0.93} La _{0.07})(Zr _{0.82} Ti _{0.18})O ₃ anti-ferroelectric thick films by aerosol deposition. <i>Ceramics International</i> , 2021, 47, 31590-31596.	2.3	12
10	Artificially induced normal ferroelectric behaviour in aerosol deposited relaxor 65PMN-35PT thick films by interface engineering. <i>Journal of Materials Chemistry C</i> , 2021, 9, 3403-3411.	2.7	11
11	Enhancement of pyroelectricity in Mn-doped (011) 71Pb(Mg _{1/3} Nb _{2/3})O ₃ -6PbZrO ₃ -23PbTiO ₃ single crystals. <i>Applied Physics Letters</i> , 2021, 119, .	1.5	8
12	Enhanced Mechanical Quality Factor of 32 Mode Mn Doped 71Pb(Mg _{1/3} Nb _{2/3})O ₃ -29PbZrTiO ₃ Piezoelectric Single Crystals. <i>Electronic Materials Letters</i> , 2020, 16, 156-163.	1.0	15
13	Piezoelectric Thick Film Deposition via Powder/Granule Spray in Vacuum: A Review. <i>Actuators</i> , 2020, 9, 59.	1.2	19
14	Tin titanate—the hunt for a new ferroelectric perovskite. <i>Reports on Progress in Physics</i> , 2019, 82, 092501.	8.1	15
15	Pyroelectric Energy Conversion and Its Applications—Flexible Energy Harvesters and Sensors. <i>Sensors</i> , 2019, 19, 2170.	2.1	86
16	Prospects and challenges of the electrocaloric phenomenon in ferroelectric ceramics. <i>Journal of Materials Chemistry C</i> , 2019, 7, 6836-6859.	2.7	58
17	Dielectric, Ferroelectric, Energy Storage, and Pyroelectric Properties of Mn-Doped (Pb _{0.93} La _{0.07})(Zr _{0.82} Ti _{0.18})O ₃ Anti-Ferroelectric Ceramics. <i>Journal of the Korean Ceramic Society</i> , 2019, 56, 412-420.	1.1	19
18	Unipolar resistive switching in sol-gel synthesized strontium titanate thin films. <i>Vacuum</i> , 2018, 151, 182-184.	1.6	9

#	ARTICLE	IF	CITATIONS
19	Negative-capacitance and bulk photovoltaic phenomena in gallium nitride nanorods network. RSC Advances, 2018, 8, 32794-32798.	1.7	3
20	Unipolar resistive switching in cobalt titanate thin films. Europhysics Letters, 2017, 117, 37003.	0.7	5
21	Bipolar resistive switching in PVDF and Graphene Oxide hetero-structure thin films. Journal of Alloys and Compounds, 2017, 722, 579-584.	2.8	14
22	Unipolar resistive switching behavior in sol-gel synthesized FeSrTiO ₃ thin films. RSC Advances, 2017, 7, 54111-54116.	1.7	6
23	Enhanced bipolar resistive switching behavior in polar Cr-doped barium titanate thin films without electro-forming process. AIP Advances, 2017, 7, .	0.6	8
24	Electroforming free high resistance resistive switching of graphene oxide modified polar-PVDF. RSC Advances, 2015, 5, 57406-57413.	1.7	30
25	Light assisted irreversible resistive switching in ultra thin hafnium oxide. RSC Advances, 2015, 5, 35046-35051.	1.7	27