Atul Thakre

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7101566/publications.pdf

Version: 2024-02-01

25	423	759233 12	752698 20
papers	citations	h-index	g-index

25	25	25	433
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Pyroelectric Energy Conversion and Its Applicationsâ€"Flexible Energy Harvesters and Sensors. Sensors, 2019, 19, 2170.	3.8	86
2	Prospects and challenges of the electrocaloric phenomenon in ferroelectric ceramics. Journal of Materials Chemistry C, 2019, 7, 6836-6859.	5.5	58
3	Electroforming free high resistance resistive switching of graphene oxide modified polar-PVDF. RSC Advances, 2015, 5, 57406-57413.	3.6	30
4	Light assisted irreversible resistive switching in ultra thin hafnium oxide. RSC Advances, 2015, 5, 35046-35051.	3.6	27
5	Piezoelectric Thick Film Deposition via Powder/Granule Spray in Vacuum: A Review. Actuators, 2020, 9, 59.	2.3	19
6	Dielectric, Ferroelectric, Energy Storage, and Pyroelectric Properties of Mn-Doped (Pb0.93La0.07)(Zr0.82Ti0.18)O3 Anti-Ferroelectric Ceramics. Journal of the Korean Ceramic Society, 2019, 56, 412-420.	2.3	19
7	Enhanced pyroelectric response from domain-engineered lead-free (K0.5Bi0.5TiO3-BaTiO3)-Na0.5Bi0.5TiO3 ferroelectric ceramics. Journal of the European Ceramic Society, 2021, 41, 2524-2532.	5.7	18
8	Enhancement of Energy-Harvesting Performance of Magnetoâ€"Mechanoâ€"Electric Generators through Optimization of the Interfacial Layer. ACS Applied Materials & Interfaces, 2021, 13, 19983-19991.	8.0	18
9	Increased Energy-Storage Density and Superior Electric Field and Thermally Stable Energy Efficiency of Aerosol-Deposited Relaxor (Pb0.89La0.11)(Zr0.70Ti0.30)O3 Films. Journal of Thermal Spray Technology, 2021, 30, 591-602.	3.1	16
10	Tin titanateâ€"the hunt for a new ferroelectric perovskite. Reports on Progress in Physics, 2019, 82, 092501.	20.1	15
11	Enhanced Mechanical Quality Factor of 32 Mode Mn Doped 71Pb(Mg1/3Nb2/3)O3â€"29PbZrTiO3 Piezoelectric Single Crystals. Electronic Materials Letters, 2020, 16, 156-163.	2.2	15
12	Bipolar resistive switching in PVDF and Graphene Oxide hetero-structure thin films. Journal of Alloys and Compounds, 2017, 722, 579-584.	5.5	14
13	Induced slim ferroelectric hysteresis loops and enhanced energy-storage properties of Mn-doped (Pb0Â·93La0.07)(Zr0Â·82Ti0.18)O3 anti-ferroelectric thick films by aerosol deposition. Ceramics International, 2021, 47, 31590-31596.	4.8	12
14	Artificially induced normal ferroelectric behaviour in aerosol deposited relaxor 65PMNâ€"35PT thick films by interface engineering. Journal of Materials Chemistry C, 2021, 9, 3403-3411.	5.5	11
15	Unipolar resistive switching in sol-gel synthesized strontium titanate thin films. Vacuum, 2018, 151, 182-184.	3.5	9
16	Enhanced bipolar resistive switching behavior in polar Cr-doped barium titanate thin films without electro-forming process. AIP Advances, 2017, 7, .	1.3	8
17	High performance of polycrystalline piezoelectric ceramic-based magneto-mechano-electric energy generators. Journal of Asian Ceramic Societies, 2021, 9, 1290-1297.	2.3	8
18	Enhancement of pyroelectricity in Mn-doped (011) 71Pb(Mg1/3Nb2/3)O3â€"6PbZrO3â€"23PbTiO3 single crystals. Applied Physics Letters, 2021, 119, .	3.3	8

#	Article	IF	Citations
19	Asymmetric resistive switching by anion out-diffusion mechanism in transparent Al/ZnO/ITO heterostructure for memristor applications. Surfaces and Interfaces, 2022, , 101950.	3.0	7
20	Unipolar resistive switching behavior in solâ€“gel synthesized FeSrTiO₃ thin films. RSC Advances, 2017, 7, 54111-54116.	3.6	6
21	Effect of irradiation on pyroelectric and electrocaloric parameters in lead-free relaxor ferroelectric ceramic. Materials Today Communications, 2022, 32, 103924.	1.9	6
22	Unipolar resistive switching in cobalt titanate thin films. Europhysics Letters, 2017, 117, 37003.	2.0	5
23	Negative-capacitance and bulk photovoltaic phenomena in gallium nitride nanorods network. RSC Advances, 2018, 8, 32794-32798.	3.6	3
24	Highly Reliable Passive RFID-Based Inductorâ€“Capacitor Sensory System Strengthened by Solvatochromism for Fast and Wide-Range Lactate Detection. IEEE Sensors Journal, 2022, 22, 12228-12236.	4.7	3
25	First principle understanding of antiferroelectric ordering in La-doped silver niobate. Physica B: Condensed Matter, 2022, 640, 414040.	2.7	2