

Nilakantha Tripathy

List of Publications by Year in descending order

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33
papers

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1307594

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#	ARTICLE	IF	CITATIONS
1	Reduced graphene oxide-CuFe ₂ O ₄ nanocomposite: A highly sensitive room temperature NH ₃ gas sensor. <i>Sensors and Actuators B: Chemical</i> , 2018, 272, 100-109.	7.8	110
2	Ultraviolet photodetection characteristics of Zinc oxide thin films and nanostructures. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016, 115, 012035.	0.6	44
3	Evolution of microstructural and electrical properties of sputtered HfO ₂ ceramic thin films with RF power and substrate temperature. <i>Ceramics International</i> , 2016, 42, 138-145.	4.8	19
4	Electrical characteristics of dip coated TiO ₂ thin films with various withdrawal speeds for resistive switching applications. <i>Applied Surface Science</i> , 2018, 449, 181-185.	6.1	16
5	Microstructural, surface and interface properties of zirconium doped HfO ₂ thin films grown by RF co-sputtering technique. <i>Vacuum</i> , 2017, 143, 288-293.	3.5	14
6	Effect of RF sputtering power on morphological and electrical properties of calcium copper titanate thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 11401-11405.	2.2	10
7	Microstructural evolution of sputtered ZnO thin films with rapid thermal annealing. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 7860-7866.	2.2	9
8	Surface and interface studies of RF sputtered HfO ₂ thin films with working pressure and gas flow ratio. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 6025-6031.	2.2	7
9	Fabrication of high-k dielectric Calcium Copper Titanate (CCTO) target by solid state route. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016, 115, 012022.	0.6	7
10	Synthesis of copper doped Zinc oxide nanowires with enhanced ultraviolet photoresponse behavior. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 178, 012021.	0.6	7
11	Investigation of surface and interface properties of RF sputtered calcium copper titanate thin films on silicon substrate. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 2686-2690.	2.2	6
12	Impact of post-deposition annealing on RF sputtered calcium copper titanate thin film for memory application. <i>Materials Research Express</i> , 2018, 5, 074001.	1.6	6
13	Transformation of sputtered calcium copper titanate thin film into nanorods by sequential annealing. <i>Ceramics International</i> , 2018, 44, 4052-4057.	4.8	5
14	Enhanced organophosphate sensing response of copper incorporated ZnO nanowires. <i>Materials Science in Semiconductor Processing</i> , 2019, 104, 104675.	4.0	4
15	High dielectric constant, low loss and efficient visible photoluminescence properties of porous rose-flower shaped CoFe ₂ O ₄ for photovoltaic application. <i>Materials Letters</i> , 2019, 242, 62-65.	2.6	4
16	Modulation of microstructure and interface properties of co-sputter derived Hf _{1-x} Ti _x O ₂ thin films with various Ti content. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 12408-12414.	2.2	3
17	Limited volume heating method: a simple low cost approach to synthesize additive free long nanowires. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 5065-5073.	2.2	3
18	Effect of Process Temperature on Molybdenum Disulphide Layers Grown by Chemical Vapor Deposition Technique. , 2018, , .		2

#	ARTICLE	IF	CITATIONS
19	Morphological and electrical characterizations of dip coated porous TiO ₂ thin films with different concentrations of thiourea additives for resistive switching applications. Journal of Materials Science: Materials in Electronics, 2019, 30, 15928-15934.	2.2	2
20	Morphological and electrical properties of RF sputtered calcium copper titanate thin films with the incorporation of intermediate layer. Ceramics International, 2019, 45, 23993-24000.	4.8	2
21	Structural and morphological study of thermally oxidized titanium thin films for the detection of chlorpyrifos. Materials Science in Semiconductor Processing, 2020, 105, 104695.	4.0	2
22	Role of Gd dopants on electrical properties of RF co-sputtered HfO ₂ thin films for resistive switching applications. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 265, 114997.	3.5	2
23	Effect of substrate temperature on structural and electrical properties of RF sputtered hafnium oxide thin films. AIP Conference Proceedings, 2015, , .	0.4	1
24	Morphological and Photoluminescence analysis of Zinc Oxide thin films deposited by RF sputtering at different substrate temperatures. IOP Conference Series: Materials Science and Engineering, 2015, 75, 012023.	0.6	1
25	Reduction of oxide and interface charge density of reactive sputtered HfO ₂ thin films by rapid thermal annealing. AIP Conference Proceedings, 2017, , .	0.4	1
26	Investigation of microstructural and electrical properties of composition dependent co-sputtered Hf _{1-x} TaxO ₂ thin films. Materials Research Express, 2017, 4, 114007.	1.6	1
27	Effect of rapid thermal annealing on the structural and electrical properties of RF sputtered CCTO thin film. IOP Conference Series: Materials Science and Engineering, 2017, 178, 012009.	0.6	1
28	Resistive Switching Behavior of RF Sputtered Calcium Copper Titanate Thin Films with Various Annealing Approach. , 2018, , .		1
29	Morphological evolution of zinc oxide thin films with variation in sputtering power and substrate temperature. International Journal of Microstructure and Materials Properties, 2016, 11, 325.	0.1	1
30	Morphological evolution of zinc oxide thin films with variation in sputtering power and substrate temperature. International Journal of Microstructure and Materials Properties, 2016, 11, 325.	0.1	0
31	Effect of post-deposition annealing on the structural and electrical properties of RF sputtered hafnium oxide thin films. IOP Conference Series: Materials Science and Engineering, 2016, 115, 012015.	0.6	0
32	Optical & current-voltage characteristics of dip coated TiO ₂ thin film. IOP Conference Series: Materials Science and Engineering, 2018, 338, 012058.	0.6	0
33	Room Temperature Organophosphate Detection by Thermally Oxidized Metal Oxide Thin Films. Springer Proceedings in Physics, 2019, , 849-854.	0.2	0