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Electrical properties and defect model of tin-doped indium oxide layers

DOI: 10.1007/bf00619080

Applied Physics A: Solids and Surfaces, 1982, 27, 197-206.

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**Version:** 2024-04-28

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547	Application of thin semiconductor and metal films in energy technology. <b>1982</b> , 229-254		3
546	Dielectric function of $\text{In}_2\text{O}_3$ . <b>1983</b> , 105, L83-L86		23
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544	Transparent heat-reflecting coatings for solar applications based on highly doped tin oxide and indium oxide. <b>1983</b> , 8, 387-398		70
543	Tunneling current density $j(V)$ for $\text{PbInAu}$ alloy junctions and tunnel barrier modeling. <i>Journal of Applied Physics</i> , <b>1983</b> , 54, 2569-2577	2.5	12
542	Efficiency Increase of Light Sources by Infrared Reflecting Filters. <b>1984</b> , 14, 151-164		
541	Point defects and their influence on electrical properties of reactive sputtered $\text{Cd}_2\text{SnO}_4$ thin films. <i>Journal Physics D: Applied Physics</i> , <b>1984</b> , 17, 407-413	3	21
540	Optical properties of transparent and heat-reflecting indium-tin-oxide films: Experimental data and theoretical analysis. <b>1984</b> , 11, 239-248		14
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538	The Influence of Heat-Treatment in Gaseous Atmospheres on the Conductivity Parameters of Transparent and Conductive Thin Films. <b>1985</b> , 226-227		
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55	Oxygen-Induced Reversible Sn-Dopant Deactivation between Indium Tin Oxide and Single-Crystalline Oxide Nanowire Leading to Interfacial Switching. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 52929-52936	9.5	4
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53	Tunable Infrared Plasmon Response of Lithographic Sn-doped Indium Oxide Nanostructures. <b>2020</b> , 8, 2001024		7
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51	Carrier Density, Effective Mass, and Nuclear Relaxation Pathways in Plasmonic Sn:In <sub>2</sub> O <sub>3</sub> Nanocrystals. <b>2020</b> , 124, 28220-28229		3
50	Intrinsic Optical and Electronic Properties from Quantitative Analysis of Plasmonic Semiconductor Nanocrystal Ensemble Optical Extinction. <b>2020</b> , 124, 24351-24360		6
49	The effect of films thickness on structural and optical properties of amorphous Sn <sub>2</sub> O thin films deposited by ink jet printing method. <b>2020</b> , 1219, 128577		1
48	Synthesis of gold-coated branched ZnO nanorods for gas sensor fabrication. <b>2020</b> , 22, 1		6
47	Multilayer indium saving ITO thin films produced by sputtering method. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 827, 154378	5.7	10
46	Epsilon-near-zero response in indium tin oxide thin films: Octave span tuning and IR plasmonics. <i>Journal of Applied Physics</i> , <b>2020</b> , 127, 043102	2.5	11
45	Effect of the addition of zirconium on the electrical, optical, and mechanical properties and microstructure of ITO thin films. <i>Vacuum</i> , <b>2021</b> , 183, 109844	3.7	7

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41	Transparent MIS capacitors on plastic substrates fabricated by high-frequency ultrasonic spray pyrolysis. <i>Bulletin of Materials Science</i> , <b>2021</b> , 44, 1	1.7	
40	Structural Behavior and Spin-State Features of BaAlO Scaled through Tuned Co Doping. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 8475-8488	5.1	
39	Temporal Evolution of Microscopic Structure and Functionality during Crystallization of Amorphous Indium-Based Oxide Films. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 31825-31834	9.5	3
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