Arun Palakkandy

List of Publications by Year
in descending order

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39	707	567281 15	552781 26
papers	citations	h-index	g-index

39	39	39	750
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Influence of grain size on the band-gap of annealed SnS thin films. Thin Solid Films, 2013, 548, 241-246.	1.8	87
2	An accurate formula for the period of a simple pendulum oscillating beyond the small angle regime. American Journal of Physics, 2006, 74, 892-895.	0.7	86
3	Effect of energetic ion irradiation on CdI2 films. Journal of Applied Physics, 2004, 95, 7725-7730.	2.5	84
4	Laser-induced crystallization in amorphous films of (C = S, Se, Te), potential optical storage media. Journal Physics D: Applied Physics, 1999, 32, 183-190.	2.8	48
5	Effect of argon ion irradiation on Sb2Te3 films in a dense plasma focus device. Materials Research Bulletin, 2000, 35, 477-486.	5.2	39
6	Grain size and lattice parameter's influence on band gap of SnS thin nano-crystalline films. Thin Solid Films, 2016, 612, 310-316.	1.8	30
7	Potential of Sb2Se3 films for photo-thermal phase change optical storage. Thin Solid Films, 1998, 335, 270-278.	1.8	28
8	White-light emission from annealed ZnO:Si nanocomposite thin films. Journal of Luminescence, 2012, 132, 1744-1749.	3.1	25
9	Ageing effect of Sb2Te3 thin films. Physica B: Condensed Matter, 2001, 307, 105-110.	2.7	24
10	The effect of cesium metal clusters on the optical properties ofÂcesium iodide thin films. Applied Physics A: Materials Science and Processing, 2010, 99, 305-310.	2.3	21
11	Refractive index of SnS thin nano-crystalline films. Solid State Communications, 2013, 168, 31-35.	1.9	20
12	Suitability of SnS thin films for photovoltaic application due to the existence of persistent photocurrent. Physica Status Solidi (B): Basic Research, 2016, 253, 509-514.	1.5	19
13	Controlling the photoluminescence of ZnO:Si nano-composite films by heat-treatment. Materials Research Bulletin, 2010, 45, 1368-1374.	5.2	16
14	Effect of residual stress on the optical properties of CsCl thin films. Journal of Physics and Chemistry of Solids, 2010, 71, 163-169.	4.0	16
15	Simple pendulum revisited. European Journal of Physics, 2005, 26, 517-523.	0.6	15
16	Metal clusterâ€™s effect on the optical properties of cesium bromide thin films. Applied Physics Letters, 2012, 100, 243106.	3.3	15
17	Size and defect related broadening of photoluminescence spectra in ZnO:Si nanocomposite films. Materials Research Bulletin, 2012, 47, 901-906.	5.2	15
18	Large potential of Sb100â^'xTex films for optical storage. Materials Research Bulletin, 1999, 34, 203-216.	5.2	13

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19	Localized surface plasmon resonance in SnS:Ag nano-composite films. Journal of Applied Physics, 2014, 115, 204512.	2.5	12
20	Improved efficiency of plasmonic tin sulfide solar cells. Journal of Materials Science: Materials in Electronics, 2016, 27, 5107-5113.	2.2	11
21	Influence of grain size on the electrical properties of Sb2Te3 polycrystalline films. Materials Research Bulletin, 2003, 38, 1929-1938.	5.2	9
22	Accurate measurement of the position and velocity of a falling object. American Journal of Physics, 2007, 75, 254-258.	0.7	8
23	Reaction time of a group of physics students. Physics Education, 2008, 43, 309-313.	0.5	8
24	Characterization of ZnO:Si nanocomposite films grown by thermal evaporation. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 7068-7072.	2.1	7
25	Film thickness controlled photoluminescence emission in ZnO:Si nanocomposite. Optical Materials, 2012, 35, 314-316.	3.6	7
26	Mitigating Reasons for the Poor Performance of nâ€CdS/pâ€SnS Solar Cells. Global Challenges, 2018, 2, 1800017.	3.6	7
27	Large grain size dependence of resistance of polycrystalline films. Physica B: Condensed Matter, 2002, 322, 289-296.	2.7	6
28	Study of CdI2 nanocrystals dispersed in amorphous Sb2S3 matrix. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 364, 157-162.	2.1	6
29	Defect diffusion assisted formation of cesium metal clusters in cesium halide thin films. Journal of Taibah University for Science, 2017, 11, 1238-1244.	2.5	6
30	Surface Plasmon Near Field Effects in Silver Nano Cylinders Arranged in Triangular Geometry. Journal of Computational and Theoretical Nanoscience, 2013, 10, 1418-1424.	0.4	4
31	Zener behaviour of p-SnS/ZnO and p-SnS/ZnS heterojunctions. Materials Research Express, 2018, 5, 036409.	1.6	4
32	Hysteresis-like behavior of resistivity of thin films in heatingâ€“cooling cycle. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 313, 126-131.	2.1	2
33	Influence of Urbach tail on the refractive index of pâ€SnS thin films. Physica Status Solidi C: Current Topics in Solid State Physics, 2017, 14, 1600207.	0.8	2
34	Influence of strain on the sensitivity of tin sulphide films. Materials Chemistry and Physics, 2017, 191, 86-88.	4.0	2
35	A Novel Route for Fabrication of Stable CsPbI₃ Perovskite Thin Film by Thermal Evaporation. ChemistrySelect, 2019, 4, 5091-5096.	1.5	2
36	Studying three-phase supply in school. Physics Education, 2009, 44, 415-419.	0.5	1

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37	A comment on the dependence of LEDâ€™s efficiency on the junction ideality factor. Physics Education, 2018, 53, 035024.	0.5	1
38	Effect of Life Expectancy on Technological Development. Technium Social Sciences Journal (tssj), 0, 5, 225-237.	0.1	1
39	Occurrence of hysteresis-like behavior of resistance of film in the dynamical measurement of heatingâ€“cooling cycle. Physica B: Condensed Matter, 2005, 362, 158-166.	2.7	0