

P Arun

List of Publications by Year in descending order

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times ranked

870
citing authors

#	ARTICLE	IF	CITATIONS
1	Tunability of Surface Plasmon Resonance Peaks in CsI:Ag Films by Growth Conditions. <i>Plasmonics</i> , 2020, 15, 735-741.	3.4	6
2	Luminescence behavior of CsI:Ag thin films. <i>Materials Science in Semiconductor Processing</i> , 2020, 110, 104881.	4.0	1
3	Contribution of lattice parameter and vacancies on anisotropic optical properties of tin sulphide. <i>Journal of Alloys and Compounds</i> , 2018, 746, 9-18.	5.5	9
4	Plasmon coupling and aging effect in CsCl:Ag thin films. <i>Materials Research Express</i> , 2018, 5, 096405.	1.6	6
5	Ab initio calculation of stressed cesium iodide lattices and resulting surface plasmon resonance peak shifts. <i>International Journal of Modern Physics B</i> , 2018, 32, 1850205.	2.0	2
6	SPR in Cesium Halide Thin Films Due to Embedded Elliptic Cesium Metal Nano-Particles. <i>Ukrainian Journal of Physics</i> , 2018, 63, 824.	0.2	0
7	Influence of strain on the sensitivity of tin sulphide films. <i>Materials Chemistry and Physics</i> , 2017, 191, 86-88.	4.0	2
8	Defect diffusion assisted formation of cesium metal clusters in cesium halide thin films. <i>Journal of Taibah University for Science</i> , 2017, 11, 1238-1244.	2.5	6
9	Optimization of SnS active layer thickness for solar cell application. <i>Journal of Semiconductors</i> , 2017, 38, 113001.	3.7	7
10	SPR sensitivity of silver nanorods in CsBr-Ag nanocomposite thin films. <i>Materials Research Express</i> , 2016, 3, 076403.	1.6	5
11	Photovoltaic performance of hybrid ITO/PEDOT:PSS/n-SnS/Al solar cell structure. <i>Journal of Semiconductors</i> , 2016, 37, 074002.	3.7	4
12	Grain size and lattice parameter's influence on band gap of SnS thin nano-crystalline films. <i>Thin Solid Films</i> , 2016, 612, 310-316.	1.8	30
13	Suitability of SnS thin films for photovoltaic application due to the existence of persistent photocurrent. <i>Physica Status Solidi (B): Basic Research</i> , 2016, 253, 509-514.	1.5	19
14	Improved efficiency of plasmonic tin sulfide solar cells. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 5107-5113.	2.2	11
15	Localized surface plasmon resonance in SnS:Ag nano-composite films. <i>Journal of Applied Physics</i> , 2014, 115, 204512.	2.5	12
16	Refractive index of SnS thin nano-crystalline films. <i>Solid State Communications</i> , 2013, 168, 31-35.	1.9	20
17	Influence of grain size on the band-gap of annealed SnS thin films. <i>Thin Solid Films</i> , 2013, 548, 241-246.	1.8	87
18	Parameters influencing the optical properties of SnS thin films. <i>Journal of Semiconductors</i> , 2013, 34, 093004.	3.7	22

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19	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
20	Metal cluster's effect on the optical properties of cesium bromide thin films. Applied Physics Letters, 2012, 100, 243106.	3.3	15
21	Film thickness controlled photoluminescence emission in ZnO:Si nanocomposite. Optical Materials, 2012, 35, 314-316.	3.6	7
22	Size and defect related broadening of photoluminescence spectra in ZnO:Si nanocomposite films. Materials Research Bulletin, 2012, 47, 901-906.	5.2	15
23	White-light emission from annealed ZnO:Si nanocomposite thin films. Journal of Luminescence, 2012, 132, 1744-1749.	3.1	25
24	The effect of cesium metal clusters on the optical properties of cesium iodide thin films. Applied Physics A: Materials Science and Processing, 2010, 99, 305-310.	2.3	21
25	Classroom. Resonance, 2010, 15, 244-256.	0.3	0
26	Controlling the photoluminescence of ZnO:Si nano-composite films by heat-treatment. Materials Research Bulletin, 2010, 45, 1368-1374.	5.2	16
27	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
28	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
29	Study of CdI ₂ nanocrystals dispersed in amorphous Sb ₂ S ₃ matrix. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 364, 157-162.	2.1	6
30	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
31	Occurrence of hysteresis-like behavior of resistance of film in the dynamical measurement of heating-cooling cycle. Physica B: Condensed Matter, 2005, 362, 158-166.	2.7	0
32	On the structure of ZnI ₂ . Journal of Materials Science, 2005, 40, 4141-4143.	3.7	1
33	Simple pendulum revisited. European Journal of Physics, 2005, 26, 517-523.	0.6	15
34	Effect of energetic ion irradiation on CdI ₂ films. Journal of Applied Physics, 2004, 95, 7725-7730.	2.5	84
35	Influence of grain size on the electrical properties of Sb ₂ Te ₃ polycrystalline films. Materials Research Bulletin, 2003, 38, 1929-1938.	5.2	9
36	Hysteresis-like behavior of resistivity of thin films in heating-cooling cycle. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 313, 126-131.	2.1	2

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37	Large grain size dependence of resistance of polycrystalline films. Physica B: Condensed Matter, 2002, 322, 289-296.	2.7	6
38	Ageing effect of Sb ₂ Te ₃ thin films. Physica B: Condensed Matter, 2001, 307, 105-110.	2.7	24
39	Effect of argon ion irradiation on Sb ₂ Te ₃ films in a dense plasma focus device. Materials Research Bulletin, 2000, 35, 477-486.	5.2	39
40	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
41	Large potential of Sb ₁₀₀ Te _x films for optical storage. Materials Research Bulletin, 1999, 34, 203-216.	5.2	13
42	Potential of Sb ₂ Se ₃ films for photo-thermal phase change optical storage. Thin Solid Films, 1998, 335, 270-278.	1.8	28
43	Effect of heat treatment on the optical properties of amorphous Sb ₂ S ₃ film: The possibility of optical storage. Journal of Non-Crystalline Solids, 1997, 220, 63-68.	3.1	22
44	LASER-INDUCED CRYSTALLIZATION IN Sb ₂ S ₃ FILMS. Materials Research Bulletin, 1997, 32, 907-913.	5.2	31
45	Temperature rise at laser-irradiated spot in a low thermal conducting film. Physica B: Condensed Matter, 1997, 229, 409-415.	2.7	12
46	On the structure of stibnite (Sb ₂ S ₃). Journal of Materials Science, 1996, 31, 6507-6510.	3.7	12
47	Phase modification by instantaneous heat treatment of Sb ₂ S ₃ films and their potential for photothermal optical recording. Journal of Applied Physics, 1996, 79, 4029.	2.5	39