

Ismail Polat

List of Publications by Year in descending order

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docs citations

39
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785
citing authors

#	ARTICLE	IF	CITATIONS
1	Fabrication of CdS nanospheres-based hybrid solar cells having increased efficiency. Applied Physics A: Materials Science and Processing, 2022, 128, 1.	2.3	3
2	Silver Doped Zinc Stannate (Ag-ZnSnO ₃) for the Photocatalytic Degradation of Caffeine under UV Irradiation. Water (Switzerland), 2021, 13, 1290.	2.7	21
3	Synthesis, Characterization, and Photocatalytic Evaluation of Manganese (III) Phthalocyanine Sensitized ZnWO ₄ (ZnWO ₄ MnPc) for Bisphenol A Degradation under UV Irradiation. Nanomaterials, 2020, 10, 2139.	4.1	26
4	Structural, morphological, optical analyses of Ni-doped CdS thin films and their photovoltaic performance in hybrid solar cells. Journal of Materials Science: Materials in Electronics, 2020, 31, 12932-12942.	2.2	2
5	Transparent and conductive CdS:Ca thin films for optoelectronic applications. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	4
6	Surface modification of CBD-grown CdS thin films for hybrid solar cell applications. Optik, 2019, 185, 256-263.	2.9	18
7	Determination of optimum Er-doping level to get high transparent and low resistive Cd _{1-x} Er _x S thin films. Journal of Materials Science: Materials in Electronics, 2019, 30, 5662-5669.	2.2	4
8	Enhanced efficiency of CdS/P3HT hybrid solar cells via interfacial modification. Turkish Journal of Physics, 2019, 43, 116-125.	1.1	5
9	A research on growth and characterization of CdS:Eu thin films. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	24
10	Sm-doped CdS thin films prepared by spray pyrolysis: a structural, optical, and electrical examination. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	27
11	Optical and electrical optimization of dysprosium-doped CdS thin films. Journal of Materials Science: Materials in Electronics, 2018, 29, 14774-14782.	2.2	13
12	An evaluation of structural, optical and electrical characteristics of Ag/ZnO rods/SnO ₂ /In ₂ O ₃ /Ga Schottky diode. Journal of Materials Science: Materials in Electronics, 2018, 29, 10054-10060.	2.2	1
13	Enhancement in the optical and electrical properties of CdS thin films through Ga and K co-doping. Materials Science in Semiconductor Processing, 2017, 60, 45-52.	4.0	40
14	Physical properties of CdS:Ga thin films synthesized by spray pyrolysis technique. Journal of Materials Science: Materials in Electronics, 2017, 28, 3191-3199.	2.2	22
15	Role of Mg doping in the structural, optical, and electrical characteristics of ZnO-based DSSCs. Turkish Journal of Physics, 2017, 41, 160-170.	1.1	6
16	Cu(In,Ga)(Se,Te) ₂ pentenary thin films formed by reaction of precursor layers. Thin Solid Films, 2015, 592, 189-194.	1.8	7
17	Structural, morphological, optical and electrical evolution of spray deposited ZnO rods co-doped with indium and sulphur atoms. Journal of Materials Science: Materials in Electronics, 2014, 25, 1810-1816.	2.2	10
18	The influence of Cu-doping on structural, optical and photocatalytic properties of ZnO nanorods. Materials Chemistry and Physics, 2014, 148, 528-532.	4.0	40

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19	Synthesis and fabrication of Mg-doped ZnO-based dye-sensitized solar cells. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 3173-3178.	2.2	21
20	Effects of Na-doping on the efficiency of ZnO nanorods-based dye sensitized solar cells. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 3721-3726.	2.2	16
21	Optical and Structural Properties of Nanostructured $\text{CuIn}_{0.7}\text{Ga}_{0.3}\text{(Se)}_{1-x}\text{Te}_x$ Chalcopyrite Thin Films: Effect of Stoichiometry and Annealing. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 5002-5010.	0.9	7
22	The effect of metal work function on the barrier height of metal/CdS/SnO ₂ /In ₂ O ₃ /Ga structures. <i>Current Applied Physics</i> , 2013, 13, 1306-1310.	2.4	15
23	The influence of annealing temperature and tellurium (Te) on electrical and dielectrical properties of Al/p-CIGSeTe/Mo Schottky diodes. <i>Current Applied Physics</i> , 2013, 13, 1112-1118.	2.4	17
24	Influence of the annealing atmosphere on structural, optical and magnetic properties of Co-doped ZnO microrods. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2012, 44, 1244-1249.	2.7	7
25	ZnO and ZnS microrods coated on glass and photocatalytic activity. <i>Applied Surface Science</i> , 2012, 258, 4861-4865.	6.1	31
26	The influence of diffusion temperature on the structural, optical, and magnetic properties of nickel-doped zinc oxysulfide thin films. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2012, 209, 160-166.	1.8	8
27	Fabrication and structural, electrical characterization of i-ZnO/n-ZnO nanorod homojunctions. <i>Current Applied Physics</i> , 2012, 12, 1326-1333.	2.4	16
28	Structural and electrical characterization of rectifying behavior in n-type/intrinsic ZnO-based homojunctions. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2012, 177, 588-593.	3.5	11
29	Structural, optical and magnetic properties of Zn _{1-x} Mn _x O micro-rod arrays synthesized by spray pyrolysis method. <i>Thin Solid Films</i> , 2012, 520, 5172-5178.	1.8	32
30	On the mechanism of current-transport in Cu/CdS/SnO ₂ /In ₂ O ₃ /Ga structures. <i>Journal of Alloys and Compounds</i> , 2011, 509, 5555-5561.	5.5	45
31	The influence of diffusion temperature on the structural, optical and magnetic properties of manganese-doped zinc oxysulfide thin films. <i>Journal of Solid State Chemistry</i> , 2011, 184, 2683-2689.	2.9	28
32	Structural, optical and magnetic properties of Mn diffusion-doped CdS thin films prepared by vacuum evaporation. <i>Materials Chemistry and Physics</i> , 2011, 130, 340-345.	4.0	52
33	Microstructural, optical and magnetic properties of cobalt-doped zinc oxysulfide thin films. <i>Materials Chemistry and Physics</i> , 2011, 130, 800-805.	4.0	13
34	Preparation and characterization of new window material CdS thin films at low substrate temperature (<300K) with vacuum deposition. <i>Materials Science in Semiconductor Processing</i> , 2011, 14, 120-127.	4.0	26
35	Fabrication of p-type CuSCN/n-type micro-structured ZnO heterojunction structures. <i>Thin Solid Films</i> , 2011, 519, 3679-3685.	1.8	21
36	Structural and electrical characterization of ZnO-based homojunctions. <i>Journal of Alloys and Compounds</i> , 2010, 496, 560-565.	5.5	10

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37	The influence of substrate temperature on the morphology, optical and electrical properties of thermal-evaporated ZnSe thin films. Journal of Alloys and Compounds, 2009, 487, 280-285.	5.5	45
38	Improved performance of CdS powder-based hybrid solar cells through surface modification. Gmhane niversitesi Fen Bilimleri Enstits Dergisi, , .	0.0	0