

Ferhat Aslan

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

936
citations

394421

19
h-index

610901

24
g-index

25
all docs

25
docs citations

25
times ranked

973
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and characterization of spray pyrolysis Zinc Oxide microrods. <i>Thin Solid Films</i> , 2007, 515, 3448-3451.	1.8	74
2	Tuning of structural, optical and dielectric constants by various transition metal doping in ZnO:TM (TM=Mn, Co, Fe) nanostructured thin films: A comparative study. <i>Ceramics International</i> , 2017, 43, 704-713.	4.8	68
3	Nanostructured Cu-doped ZnS polycrystalline thin films produced by a wet chemical route: the influences of Cu doping and film thickness on the structural, optical and electrical properties. <i>Journal of Sol-Gel Science and Technology</i> , 2015, 75, 45-53.	2.4	65
4	Physical properties of solution processable n-type Fe and Al co-doped ZnO nanostructured thin films: Role of Al doping levels and annealing. <i>Materials Science in Semiconductor Processing</i> , 2018, 75, 221-233.	4.0	58
5	Effect of preparation technique on the selected characteristics of Zn 1 [~] x Co x O nanocrystalline thin films deposited by sol-gel and magnetron sputtering. <i>Journal of Alloys and Compounds</i> , 2014, 615, 765-778.	5.5	56
6	Enhancing crystalline/optical quality, and photoluminescence properties of the Na and Sn substituted ZnS thin films for optoelectronic and solar cell applications; a comparative study. <i>Optical Materials</i> , 2020, 107, 110073.	3.6	55
7	Preparation and characterisation of thickness dependent nano-structured ZnS thin films by sol-gel technique. <i>Journal of Materials Science: Materials in Electronics</i> , 2012, 23, 1361-1366.	2.2	51
8	All solution processed superstrate type Cu ₂ ZnSnS ₄ (CZTS) thin film solar cell: Effect of absorber layer thickness. <i>Journal of Alloys and Compounds</i> , 2019, 781, 280-288.	5.5	51
9	Influence of pH on structural, optical and electrical properties of solution processed Cu ₂ ZnSnS ₄ thin film absorbers. <i>Materials Science in Semiconductor Processing</i> , 2016, 43, 139-143.	4.0	46
10	A new approach to growth of chemically depositable different ZnS nanostructures. <i>Journal of Sol-Gel Science and Technology</i> , 2019, 90, 487-497.	2.4	44
11	Highly stable ethanol-based Cu ₂ ZnSnS ₄ (CZTS) low-cost thin film absorber: Effect of solution aging. <i>Materials Chemistry and Physics</i> , 2021, 258, 123997.	4.0	43
12	Non-vacuum processed Cu ₂ ZnSnS ₄ thin films: Influence of copper precursor on structural, optical and morphological properties. <i>Journal of Alloys and Compounds</i> , 2014, 612, 1-4.	5.5	41
13	Grain size-induced structural, magnetic and magnetoresistance properties of Nd _{0.67} Ca _{0.33} MnO ₃ nanocrystalline thin films. <i>Journal of Sol-Gel Science and Technology</i> , 2016, 78, 262-269.	2.4	39
14	Growth of ZnO nanorod arrays by one-step sol-gel process. <i>Journal of Sol-Gel Science and Technology</i> , 2016, 80, 389-395.	2.4	37
15	Structural, morphological and optical properties of the vacuum-free processed CZTS thin film absorbers. <i>Materials Research Express</i> , 2018, 5, 066408.	1.6	36
16	Indium selenide thin film preparation by sol-gel technique. <i>Journal of Sol-Gel Science and Technology</i> , 2007, 43, 223-226.	2.4	33
17	Sol-gel derived In ₂ S ₃ buffer layers for inverted organic photovoltaic cells. <i>Solar Energy</i> , 2014, 108, 230-237.	6.1	30
18	Annealing effect on the characteristics of La _{0.67} Sr _{0.33} MnO ₃ polycrystalline thin films produced by the sol-gel dip-coating process. <i>Journal of Materials Science: Materials in Electronics</i> , 2012, 23, 605-611.	2.2	29

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19	Solution processed boron doped ZnO thin films: influence of different boron complexes. Materials Research Express, 2019, 6, 035903.	1.6	27
20	Effects of Cu/In ratio and annealing temperature on physical properties of dip-coated CuInS ₂ thin films. Materials Science in Semiconductor Processing, 2013, 16, 138-142.	4.0	16
21	Electrocatalytic Reduction of Carbon Dioxide using Sol-gel Processed Copper Indium Sulfide (CIS) Immobilized on ITO-Coated Glass Electrode. Electroanalysis, 2015, 6, 405-413.	3.0	14
22	Preparation of Ga ₂ Se ₃ thin films by sol-gel technique. Journal of Sol-Gel Science and Technology, 2009, 50, 271-274.	2.4	11
23	Preparation and characterization of In ₂ S ₃ semiconductor thin films using the sol-gel method. Journal of Sol-Gel Science and Technology, 2011, 59, 153-157.	2.4	9
24	Solution assisted roll-coating of transparent conducting oxide thin films for organic photovoltaic applications. Thin Solid Films, 2019, 677, 137-141.	1.8	3
25	Solution processed n-In ₂ S ₃ /p-P3HT planar hybrid solar cell. Journal of Sol-Gel Science and Technology, 2017, 81, 639-644.	2.4	0