# SalÄºh Yilmaz

List of Publications by Year
in descending order



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|---|---|---|---|
| 44 papers | 1,050 citations | 361413 20 h-index | 434195 31 g-index |
| 45 all docs | 45 docs citations | 45 times ranked | 1133 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Structural, optical and electrical properties of Al-doped ZnO microrods prepared by spray pyrolysis. Thin Solid Films, 2010, 518, 4076-4080. | 1.8 | 90 |
| 2 | Structural, optical and magnetic properties of Cr doped ZnO microrods prepared by spray pyrolysis method. Applied Surface Science, 2011, 257, 9293-9298. | 6.1 | 88 |
| 3 | Comparative studies of CdS, CdS:Al, CdS:Na and CdS:(Alâ€"Na) thin films prepared by spray pyrolysis. Superlattices and Microstructures, 2015, 88, 299-307. | 3.1 | 68 |
| 4 | Structural, optical and magnetic properties of Ni-doped ZnO micro-rods grown by the spray pyrolysis method. Chemical Physics Letters, 2012, 525-526, 72-76. | 2.6 | 62 |
| 5 | The investigation of spray pyrolysis grown CdS thin films doped with flourine atoms. Applied Surface Science, 2015, 357, 873-879. | 6.1 | 53 |
| 6 | Structural, optical and magnetic properties of Mn diffusion-doped CdS thin films prepared by vacuum evaporation. Materials Chemistry and Physics, 2011, 130, 340-345. | 4.0 | 52 |
| 7 | 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 |
| 8 | 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 |
| 9 | 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 |
| 10 | Effects of annealing temperature on the structural and optical properties of ZnO hexagonal pyramids. Journal of Alloys and Compounds, 2009, 478, 367-370. | 5.5 | 36 |
| 11 | Structural, optical and magnetic properties of Zn1â^'xMnxO micro-rod arrays synthesized by spray pyrolysis method. Thin Solid Films, 2012, 520, 5172-5178. | 1.8 | 32 |
| 12 | Defect-induced room temperature ferromagnetism in B-doped ZnO. Ceramics International, 2013, 39, 4609-4617. | 4.8 | 30 |
| 13 | The influence of diffusion temperature on the structural, optical and magnetic properties of manganese-doped zinc oxysulfide thin films. Journal of Solid State Chemistry, 2011, 184, 2683-2689. | 2.9 | 28 |
| 14 | 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 |
| 15 | Effects of Cu diffusion-doping on structural, optical, and magnetic properties of ZnO nanorod arrays grown by vapor phase transport method. Journal of Applied Physics, 2012, 111, 013903. | 2.5 | 25 |
| 16 | Effect of substrate temperature and post-deposition annealing on the properties of evaporated CdSe thin films. Physica Status Solidi (B): Basic Research, 2007, 244, 497-504. | 1.5 | 24 |
| 17 | Synthesis and characterization of Mn-doped ZnO nanorods grown in an ordered periodic honeycomb pattern using nanosphere lithography. Ceramics International, 2014, 40, 7753-7759. | 4.8 | 24 |
| 18 | A research on growth and characterization of CdS:Eu thin films. Applied Physics A: Materials Science and Processing, 2019, 125, 1. | 2.3 | 24 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | 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 |
| 20 | Fabrication of p-type CuSCN/n-type micro-structured ZnO heterojunction structures. Thin Solid Films, 2011, 519, 3679-3685. | 1.8 | 21 |
| 21 | Synthesis and fabrication of Mg-doped ZnO-based dye-synthesized solar cells. Journal of Materials Science: Materials in Electronics, 2014, 25, 3173-3178. | 2.2 | 21 |
| 22 | Effects of CdCl<sub>2</sub> treatment on properties of CdTe thin films grown by evaporation at low substrate temperatures. Crystal Research and Technology, 2007, 42, 890-894. | 1.3 | 20 |
| 23 | Surface modification of CBD-grown CdS thin films for hybrid solar cell applications. Optik, 2019, 185, 256-263. | 2.9 | 18 |
| 24 | Fabrication and structural, electrical characterization of i-ZnO/n-ZnO nanorod homojunctions. Current Applied Physics, 2012, 12, 1326-1333. | 2.4 | 16 |
| 25 | Immobilized TiO2/ZnO Sensitized Copper (II) Phthalocyanine Heterostructure for the Degradation of Ibuprofen under UV Irradiation. Separations, 2021, 8, 24. | 2.4 | 15 |
| 26 | The Investigation of Current-Conduction Mechanisms of Te/NaF:CdS/SnO2 Structure in Wide Temperature Range of 80â€“400ÂK. Proceedings of the National Academy of Sciences India Section A - Physical Sciences, 2017, 87, 409-417. | 1.2 | 13 |
| 27 | Optical and electrical optimization of dysprosium-doped CdS thin films. Journal of Materials Science: Materials in Electronics, 2018, 29, 14774-14782. | 2.2 | 13 |
| 28 | Alloying and phase transformation in CdS/CdSe bilayers annealed with or without CdCl2. Materials Science in Semiconductor Processing, 2019, 91, 90-96. | 4.0 | 12 |
| 29 | Structural and electrical characterization of rectifying behavior in n-type/intrinsic ZnO-based homojunctions. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2012, 177, 588-593. | 3.5 | 11 |
| 30 | Structural and electrical characterization of ZnO-based homojunctions. Journal of Alloys and Compounds, 2010, 496, 560-565. | 5.5 | 10 |
| 31 | 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 |
| 32 | Defect-mediated ferromagnetism in ZnO:Mn nanorods. Applied Physics A: Materials Science and Processing, 2014, 115, 313-321. | 2.3 | 8 |
| 33 | Influence of the annealing atmosphere on structural, optical and magnetic properties of Co-doped ZnO microrods. Physica E: Low-Dimensional Systems and Nanostructures, 2012, 44, 1244-1249. | 2.7 | 7 |
| 34 | Study of Influence of Annealing Time on Some Physical Properties of ZnO:Cu Nanorods Grown by a Simple Chemical Bath Deposition Method. Journal of Superconductivity and Novel Magnetism, 2014, 27, 1083-1089. | 1.8 | 7 |
| 35 | Structural characterization of Zn1âˆ’xCdxO (0â‰xâ‰0.20) microrods grown by spray pyrolysis. Materials Science in Semiconductor Processing, 2009, 12, 118-121. | 4.0 | 6 |
| 36 | A Study on Hydrothermal Grown CdS Nanospheres: Effects of Cd/S Molar Ratio. Gazi University Journal of Science, 2019, 32, 1271-1281. | 1.2 | 6 |

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| 37 | 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 |
| 38 | Enhanced efficiency of CdS/P3HT hybrid solar cells via interfacial modification. Turkish Journal of Physics, 2019, 43, 116-125. | 1.1 | 5 |
| 39 | Determination of optimum Er-doping level to get high transparent and low resistive Cd1â€‰â^'â€‰xErxS thin films. Journal of Materials Science: Materials in Electronics, 2019, 30, 5662-5669. | 2.2 | 4 |
| 40 | Transparent and conductive CdS:Ca thin films for optoelectronic applications. Applied Physics A: Materials Science and Processing, 2020, 126, 1. | 2.3 | 4 |
| 41 | Fabrication of CdS nanospheres-based hybrid solar cells having increased efficiency. Applied Physics A: Materials Science and Processing, 2022, 128, 1. | 2.3 | 3 |
| 42 | 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 |
| 43 | An evaluation of structural, optical and electrical characteristics of Ag/ZnO rods/SnO2/Inâ€"Ga Schottky diode. Journal of Materials Science: Materials in Electronics, 2018, 29, 10054-10060. | 2.2 | 1 |
| 44 | IImproved performance of CdS powder-based hybrid solar cells through surface modification. GÃ¼mÃ¼ÅŸhane Ãœniversitesi Fen Bilimleri EnstitÃ¼sÃ¼ Dergisi, 0, , . | 0.0 | 0 |