

Yasemin AaÄlar

List of Publications by Year in descending order

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docs citations

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times ranked

3952
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| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Architectural design of new conjugated systems carrying donor-acceptor groups (carbazole-CF ₃): Characterizations, optical, photophysical properties and DSSC's applications. <i>Journal of Molecular Structure</i> , 2022, 1250, 131689. | 3.6 | 2 |
| 2 | An Investigation of the optoelectrical properties of n-TiO ₂ /Eu/p-Si heterojunction photodiode. <i>Surfaces and Interfaces</i> , 2022, 30, 101832. | 3.0 | 3 |
| 3 | The influence of Fe substitution into photovoltaic performance of p-CuO/n-Si heterojunctions. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 20755-20766. | 2.2 | 7 |
| 4 | Tuning the optical and morphological features of Cu _x O thin films via La doping. <i>Physica B: Condensed Matter</i> , 2021, 615, 413088. | 2.7 | 5 |
| 5 | The optoelectrical properties of rare earth element Eu doped Cu _x O based heterojunction photodiode. <i>Chinese Journal of Physics</i> , 2021, 72, 587-597. | 3.9 | 8 |
| 6 | Tuning the optical properties of Fe-doped Cu _x O thin films synthesized via the sol-gel spin-coating method. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1. | 2.3 | 3 |
| 7 | The influence of low indium composition ratio on sol-gel solution-deposited amorphous zinc oxide thin film transistors. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 11720-11728. | 2.2 | 10 |
| 8 | Fabrication and characterization of green synthesized ZnO nanoparticle based dye-sensitized solar cells. <i>Journal of Science: Advanced Materials and Devices</i> , 2020, 5, 185-191. | 3.1 | 76 |
| 9 | Li doped ZnO based DSSC: Characterization and preparation of nanopowders and electrical performance of its DSSC. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2020, 121, 114127. | 2.7 | 32 |
| 10 | Tailoring the band gap of ferroelectric YMnO ₃ through tuning the Os doping level. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 3443-3451. | 2.2 | 26 |
| 11 | Controlling of surface morphology of ZnO nanopowders via precursor material and Al doping. <i>Materials Science in Semiconductor Processing</i> , 2019, 99, 149-158. | 4.0 | 22 |
| 12 | Effect of loading and standby time of the organic dye N719 on the photovoltaic performance of ZnO based DSSC. <i>Journal of Molecular Structure</i> , 2019, 1189, 181-186. | 3.6 | 34 |
| 13 | Electrical characterization of Ir doped rare-earth orthoferrite YbFeO ₃ . <i>Journal of Alloys and Compounds</i> , 2019, 787, 1212-1224. | 5.5 | 31 |
| 14 | Synthesis of Mn doped ZnO nanopowders by MW-HTS and its structural, morphological and optical characteristics. <i>Journal of Alloys and Compounds</i> , 2019, 781, 929-935. | 5.5 | 41 |
| 15 | Spectrophotometric determination of Hg(II) in water samples by dispersive liquid liquid microextraction with use ionic liquid after derivatization with a water soluble Fe(II) phthalocyanine. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2018, 90, 331-339. | 1.6 | 6 |
| 16 | XRD, SEM, XPS studies of Sb doped ZnO films and electrical properties of its based Schottky diodes. <i>Optik</i> , 2018, 164, 424-432. | 2.9 | 51 |
| 17 | Synthesis and Photodiode Characterization of Novel Twisted Carbazole Derivatives with 1,3,5-Benzene Core. <i>Silicon</i> , 2018, 10, 693-702. | 3.3 | 7 |
| 18 | Synthesis of novel carbazole derived substances using some organoboron compounds by palladium catalyzed and investigation of its semiconductor device characteristics. <i>Journal of Molecular Structure</i> , 2018, 1157, 106-111. | 3.6 | 1 |

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|----|---|-----|-----------|
| 19 | Fabrication of p-Si/n-ZnO:Al heterojunction diode and determination of electrical parameters. Journal of Molecular Structure, 2018, 1156, 675-683. | 3.6 | 34 |
| 20 | Anthracene Substituted Co (II) and Cu (II) phthalocyanines; Preparations, Investigation of Catalytical and Electrochemical Behaviors. Applied Organometallic Chemistry, 2018, 32, e4451. | 3.5 | 5 |
| 21 | New Co(II) and Cu(II) Phthalocyanine Catalysts Reinforced by Long Alkyl Chains for the Degradation of Organic Pollutants. Catalysis Letters, 2017, 147, 1471-1477. | 2.6 | 23 |
| 22 | Modification of gate dielectric on the performance of copper (II) phthalocyanine based on organic field effect transistors. Optik, 2017, 130, 61-67. | 2.9 | 9 |
| 23 | FESEM, XRD and DRS studies of electrochemically deposited boron doped ZnO films. Materials Science-Poland, 2017, 35, 824-829. | 1.0 | 9 |
| 24 | Influence of Irradiation Time on Structural, Morphological Properties of ZnO-NRs Films Deposited by MW-CBD and Their Photodiode Applications. Journal of Nanomaterials, 2017, 2017, 1-12. | 2.7 | 10 |
| 25 | XPS Studies of Electrodeposited Grown F-Doped ZnO Rods and Electrical Properties of p-Si/n-FZN Heterojunctions. Journal of Nanomaterials, 2016, 2016, 1-9. | 2.7 | 15 |
| 26 | Magnesium-doped zinc oxide nanorod/nanotube semiconductor/p-silicon heterojunction diodes. Applied Physics A: Materials Science and Processing, 2016, 122, 1. | 2.3 | 14 |
| 27 | A Simple Spectrofluorimetric Method Based on Quenching of a Nickel(II)-Phthalocyanine Complex to Determine Iron (III). Journal of Fluorescence, 2016, 26, 1381-1389. | 2.5 | 9 |
| 28 | Temperature dependence of the optical band gap of sol-gel derived Fe-doped ZnO films. Optik, 2016, 127, 8554-8561. | 2.9 | 13 |
| 29 | Synthesis, structural characterization, catalytic activity on aerobic oxidation of novel Co(II) and Fe(II) phthalocyanines and computational studies of 4-[2-(2,3-dichlorophenoxy)ethoxy]phthalonitrile. Journal of Organometallic Chemistry, 2016, 810, 25-32. | 1.8 | 27 |
| 30 | Investigation of the effect of Mg doping for improvements of optical and electrical properties. Physica B: Condensed Matter, 2016, 485, 6-13. | 2.7 | 36 |
| 31 | Effect of Deposition Time of Electrodeposited ZnO Nanorod Films on Crystallinity, Microstructure and Absorption Edge. Journal of Nanoelectronics and Optoelectronics, 2016, 11, 244-249. | 0.5 | 3 |
| 32 | Influence of Annealing Temperature on the Structural and Optical Characteristics of Nanostructure SnO ₂ Films and Their Applications in Heterojunction Diode. Journal of Nanoelectronics and Optoelectronics, 2016, 11, 115-121. | 0.5 | 9 |
| 33 | Effect of deposition parameters on the structural properties of ZnO nanopowders prepared by microwave-assisted hydrothermal synthesis. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 138, 617-622. | 3.9 | 25 |
| 34 | Effect of channel thickness on the field effect mobility of ZnO-TFT fabricated by sol gel process. Journal of Alloys and Compounds, 2015, 621, 189-193. | 5.5 | 50 |
| 35 | Controlled growth of c-axis oriented ZnO nanorod array films by electrodeposition method and characterization. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 128, 716-723. | 3.9 | 20 |
| 36 | Structural transformations of TiO ₂ films with deposition temperature and electrical properties of nanostructure n-TiO ₂ /p-Si heterojunction diode. Journal of Alloys and Compounds, 2014, 613, 330-337. | 5.5 | 69 |

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|----|--|-----|-----------|
| 37 | Structural and Optical Properties of Electrochemically Grown Fluorine Doped Zinc Oxide Rods. Journal of Nanoelectronics and Optoelectronics, 2014, 9, 590-595. | 0.5 | 1 |
| 38 | The Effect of Sol Concentration on the Structural and Electrical Parameters of Nanostructure ZnO Films by Sol Gel Dip Coating. Journal of Nanoelectronics and Optoelectronics, 2014, 9, 618-623. | 0.5 | 3 |
| 39 | Effect of the Deposition Temperature on the Device Performance of the Nanostructured ZnO Thin Film Transistor by Sol Gel Method. Journal of Nanoelectronics and Optoelectronics, 2014, 9, 689-693. | 0.5 | 2 |
| 40 | Sol-gel derived nanostructure undoped and cobalt doped ZnO: Structural, optical and electrical studies. Journal of Alloys and Compounds, 2013, 560, 181-188. | 5.5 | 98 |
| 41 | Preparation and characterization of electrodeposited ZnO and ZnO:Co nanorod films for heterojunction diode applications. Journal of Alloys and Compounds, 2013, 574, 104-111. | 5.5 | 36 |
| 42 | Electrical characterization of the diodes-based nanostructure ZnO:B. EPJ Applied Physics, 2012, 58, 30101. | 0.7 | 12 |
| 43 | Synthesis and characterization of $(\text{CuO})_x(\text{ZnO})_{1-x}$ composite thin films with tunable optical and electrical properties. Thin Solid Films, 2012, 520, 6642-6647. | 1.8 | 31 |
| 44 | Sol-gel derived Li-Mg co-doped ZnO films: Preparation and characterization via XRD, XPS, FESEM. Journal of Alloys and Compounds, 2012, 512, 171-178. | 5.5 | 190 |
| 45 | Phthalocyanine-based fluorescent chemosensor for the sensing of Zn (II) in dimethyl sulfoxide-acetonitrile. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2012, 72, 443-447. | 1.6 | 5 |
| 46 | Microstructural, optical and electrical studies on sol gel derived ZnO and ZnO:Al films. Current Applied Physics, 2012, 12, 963-968. | 2.4 | 91 |
| 47 | Effect of ambient temperature on electrical properties of nanostructure n-ZnO/p-Si heterojunction diode. Superlattices and Microstructures, 2012, 51, 613-625. | 3.1 | 55 |
| 48 | Investigation of structural, morphological and optical properties of nickel zinc oxide films prepared by sol-gel method. Journal of Alloys and Compounds, 2011, 509, 2461-2465. | 5.5 | 21 |
| 49 | Boron doped nanostructure ZnO films onto ITO substrate. Journal of Alloys and Compounds, 2011, 509, 3177-3182. | 5.5 | 57 |
| 50 | The role of pH and boron doping on the characteristics of sol gel derived ZnO films. Journal of Alloys and Compounds, 2011, 509, 5290-5294. | 5.5 | 45 |
| 51 | Sol-gel derived zinc oxide films: Effect of deposition parameters on structure, microstructure and photoluminescence properties. Superlattices and Microstructures, 2011, 50, 470-479. | 3.1 | 15 |
| 52 | Azathia crown ethers carrying pyrene pendant as receptor molecules for metal sensor systems. Journal of Luminescence, 2011, 131, 808-814. | 3.1 | 9 |
| 53 | Electrical characterization of nanocluster n-CdO/p-Si heterojunction diode. Journal of Alloys and Compounds, 2010, 506, 188-193. | 5.5 | 59 |
| 54 | Influence of Mn incorporation on the structural and optical properties of sol gel derived ZnO film. Journal of Sol-Gel Science and Technology, 2010, 53, 372-377. | 2.4 | 39 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | Mg _x Zn _{1-x} O (x=0-1) films fabricated by sol-gel spin coating. Materials Research Bulletin, 2010, 45, 284-287. | 5.2 | 20 |
| 56 | Sn doping effects on the electro-optical properties of sol gel derived transparent ZnO films. Applied Surface Science, 2010, 256, 7204-7210. | 6.1 | 156 |
| 57 | ZnO/p-Si heterojunction photodiode by sol-gel deposition of nanostructure n-ZnO film on p-Si substrate. Materials Science in Semiconductor Processing, 2010, 13, 137-140. | 4.0 | 134 |
| 58 | Microstructure and electro-optical properties of sol-gel derived Cd-doped ZnO films. Superlattices and Microstructures, 2010, 47, 732-743. | 3.1 | 112 |
| 59 | Temperature dependence of the optical band gap and electrical conductivity of sol-gel derived undoped and Li-doped ZnO films. Applied Surface Science, 2010, 256, 4966-4971. | 6.1 | 85 |
| 60 | Improved mobility of the copper phthalocyanine thin-film transistor. Synthetic Metals, 2010, 160, 1520-1523. | 3.9 | 11 |
| 61 | XRD study of indium oxide film deposited by sol-gel spin coating. Acta Crystallographica Section A: Foundations and Advances, 2009, 65, s210-s210. | 0.3 | 0 |
| 62 | Determination of the electronic parameters of nanostructure SnO ₂ /p-Si diode. Microelectronic Engineering, 2009, 86, 2072-2077. | 2.4 | 33 |
| 63 | Effect of heat treatment on physical properties of CdO films deposited by sol-gel method. International Journal of Hydrogen Energy, 2009, 34, 5191-5195. | 7.1 | 91 |
| 64 | Photovoltaic solar cell properties of Cd _x Zn _{1-x} O films prepared by sol-gel method. International Journal of Hydrogen Energy, 2009, 34, 5201-5207. | 7.1 | 62 |
| 65 | Influence of dopant concentration on the optical properties of ZnO: In films by sol-gel method. Thin Solid Films, 2009, 517, 5023-5028. | 1.8 | 177 |
| 66 | Crystalline structure and morphological properties of undoped and Sn doped ZnO thin films. Superlattices and Microstructures, 2009, 46, 469-475. | 3.1 | 104 |
| 67 | Synthesized some 4-(2-thiazolylazo)resorcinol complexes: Characterization, thermal and optical properties. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2009, 73, 174-180. | 3.9 | 38 |
| 68 | Electrical conductivity and optical properties of ZnO nanostructured thin film. Applied Surface Science, 2009, 255, 4491-4496. | 6.1 | 278 |
| 69 | Morphological, optical and electrical properties of CdZnO films prepared by sol-gel method. Journal Physics D: Applied Physics, 2009, 42, 065421. | 2.8 | 77 |
| 70 | The effects of substrate temperature on refractive index dispersion and optical constants of CdZn(S _{0.8} Se _{0.2}) ₂ alloy thin films. Journal of Alloys and Compounds, 2009, 480, 234-237. | 5.5 | 22 |
| 71 | Influence of heat treatment on the nanocrystalline structure of ZnO film deposited on p-Si. Journal of Alloys and Compounds, 2009, 481, 885-889. | 5.5 | 79 |
| 72 | Effect of Sn dopant on the crystalline structure of sol-gel coated ZnO film. Acta Crystallographica Section A: Foundations and Advances, 2009, 65, s210-s210. | 0.3 | 0 |

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|----|---|-----|-----------|
| 73 | Structural, optical and electrical properties of F-doped ZnO nanorod semiconductor thin films deposited by sol-gel process. <i>Applied Surface Science</i> , 2008, 255, 2353-2359. | 6.1 | 163 |
| 74 | The effects of Al doping on the optical constants of ZnO thin films prepared by spray pyrolysis method. <i>Journal of Materials Science: Materials in Electronics</i> , 2008, 19, 704-708. | 2.2 | 130 |
| 75 | Preparation of Sb-doped ZnO nanostructures and studies on some of their properties. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008, 41, 96-100. | 2.7 | 38 |
| 76 | A spectroelectrochemical study on single-oscillator model and optical constants of sulfonated polyaniline film. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008, 71, 621-627. | 3.9 | 32 |
| 77 | Structural, morphological and optical properties of CuAlS ₂ films deposited by spray pyrolysis method. <i>Optics Communications</i> , 2008, 281, 1615-1624. | 2.1 | 34 |
| 78 | Thermally stimulated current and space charge limited current mechanism in film of the gold/zinc oxide/gold type. <i>Physica B: Condensed Matter</i> , 2007, 392, 99-103. | 2.7 | 20 |
| 79 | The effects of fluorine on the structural, surface morphology and optical properties of ZnO thin films. <i>Physica B: Condensed Matter</i> , 2007, 394, 86-92. | 2.7 | 126 |
| 80 | A new dioxime ligand and its trinuclear copper(II) complex: Synthesis, characterization and optical properties. <i>Optics Communications</i> , 2007, 272, 131-137. | 2.1 | 80 |
| 81 | Synthesis, structural and optical properties of novel borylated Cu(II) and Co(II) metal complexes of 4-benzylaminobiphenylglyoxime. <i>Journal of Organometallic Chemistry</i> , 2007, 692, 2473-2481. | 1.8 | 18 |
| 82 | Effects of In, Al and Sn dopants on the structural and optical properties of ZnO thin films. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2007, 67, 1113-1119. | 3.9 | 91 |
| 83 | Electrical and optical properties of undoped and In-doped ZnO thin films. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2007, 4, 1337-1340. | 0.8 | 37 |
| 84 | Single-oscillator model and determination of optical constants of spray pyrolyzed amorphous SnO ₂ thin films. <i>European Physical Journal B</i> , 2007, 58, 251-256. | 1.5 | 80 |
| 85 | Electrical conductivity, optical and structural properties of indium-doped ZnO nanofiber thin film deposited by spray pyrolysis method. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2006, 35, 131-138. | 2.7 | 113 |
| 86 | Effect of indium incorporation on the optical properties of spray pyrolyzed Cd _{0.22} Zn _{0.78} S thin films. <i>European Physical Journal D</i> , 2006, 56, 277-287. | 0.4 | 41 |