

Hajer Guermazi

List of Publications by Year in descending order

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69
papers

1,023
citations

430442

18
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476904

29
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69
all docs

69
docs citations

69
times ranked

999
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Optical and structural properties of ZnO NPs and ZnO@Bi ₂ O ₃ nanocomposites. <i>Ceramics International</i> , 2022, 48, 266-277. | 2.3 | 18 |
| 2 | Enhanced dielectric properties of ternary ZnO-based composites for dielectric applications. <i>Applied Physics A: Materials Science and Processing</i> , 2022, 128, 1. | 1.1 | 4 |
| 3 | Synthesis and characterization of nanosheet NiMoO ₄ powder as a highly efficient and reusable catalyst for environmental remediation. <i>Journal of Nanoparticle Research</i> , 2022, 24, 1. | 0.8 | 6 |
| 4 | Dysprosium ion effect on the structural, optical, and dielectric characteristics of epoxy resin polymer composite panels for use as a transducer material. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 16899-16914. | 1.1 | 1 |
| 5 | Enhancement of conductivity and conduction mechanisms in hybrid epoxy based nanocomposites for microelectronic applications. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021, 266, 115035. | 1.7 | 1 |
| 6 | Enhancement of dielectric responses and conduction properties of Zn-doped TiO ₂ for energy storage and photosensitivity applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 13187-13204. | 1.1 | 5 |
| 7 | Exploring the optical and dielectric properties of bifunctional and trifunctional epoxy polymers. <i>Polymer</i> , 2021, 228, 123882. | 1.8 | 6 |
| 8 | Impact of CuO nanofiller on structural, optical and dielectric properties of CuO/DGEBA hybrid nanocomposites for optoelectronic devices. <i>Optical and Quantum Electronics</i> , 2021, 53, 1. | 1.5 | 9 |
| 9 | Conduction mechanisms and relaxation phenomena along with electronic transition of ZnO/ZnNb ₂ O ₆ /Nb ₂ O ₅ composite. <i>Ceramics International</i> , 2021, 47, 24732-24742. | 2.3 | 4 |
| 10 | Synthesis, structural, optical properties and toxicity against cancer cells of new urea-CdCl ₂ complex. <i>Materials Letters: X</i> , 2021, 11, 100085. | 0.3 | 0 |
| 11 | The effect of the thickness on structural, optical limiting, and dielectric properties of hybrid coatings rhodamine B dye films on an epoxy polymeric substrate for display applications. <i>Physica Scripta</i> , 2021, 96, 125862. | 1.2 | 3 |
| 12 | Structural, optical, photoluminescence properties and Ab initio calculations of new Zn ₂ SiO ₄ /ZnO composite for white light emitting diodes. <i>Ceramics International</i> , 2020, 46, 12656-12664. | 2.3 | 35 |
| 13 | Exploring the structural properties and enhancement of Opto-electrical investigations for the synthesized epoxy based polymers with local nanoscale structures. <i>Materials Research Express</i> , 2020, 7, 035305. | 0.8 | 2 |
| 14 | Impact of substrate nature and film thickness on physical properties of antimony trisulphide (Sb ₂ S ₃) thin films for multifunctional device applications. <i>Superlattices and Microstructures</i> , 2020, 142, 106473. | 1.4 | 10 |
| 15 | Synthesis, structural and microstructural study of new FeNa _{0.5} H _{1.5} MoO ₅ hybrid material for highly efficient energy storage hybrid systems. <i>Inorganic Chemistry Communication</i> , 2020, 113, 107811. | 1.8 | 1 |
| 16 | Effect of ITO Nanoparticles on Dielectric Relaxation Processes and an Analysis of The Electric Impedance Characteristics of ITO/Epoxy Nanocomposites for Embedded Capacitor Devices. <i>Journal of Electronic Materials</i> , 2019, 48, 6529-6539. | 1.0 | 3 |
| 17 | Effects of neutron-gamma radiation on the free radical contents in epoxy resin: upconversion luminescence and structural stabilization. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1. | 1.1 | 44 |
| 18 | Enhanced photocatalytic activity against crystal violet dye of Co and In doped ZnO thin films grown on PEI flexible substrate under UV and sunlight irradiations. <i>Heliyon</i> , 2019, 5, e01912. | 1.4 | 47 |

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|----|--|-----|-----------|
| 19 | The effect of zinc iodide on the physicochemical properties of highly flexible transparent poly (vinyl) Tj ETQq1 1 0.784314 rgBT /Overl Materials in Electronics, 2019, 30, 11799-11806. | 1.1 | 12 |
| 20 | Photoluminescence enhancement from the defects state formed by neutron/gamma mixed irradiation in an epoxy resin for LED applications. Radiation Effects and Defects in Solids, 2019, 174, 467-479. | 0.4 | 5 |
| 21 | Effect of Ni doping on the structural, vibrational, optical and magnetic properties of YMn _{0.4} Fe _{0.6-x} Ni _x O ₃ (0 ≤ x ≤ 0.1) nanoparticles. Journal of Alloys and Compounds, 2019, 771, 327-334. | 2.8 | 7 |
| 22 | Optical, Dielectric Properties and Energy Storage Efficiency of ZnO/Epoxy Nanocomposites. Journal of Inorganic and Organometallic Polymers and Materials, 2019, 29, 456-464. | 1.9 | 27 |
| 23 | Effect of the different concentrations of ZnO:Mn incorporation on the microstructure and dielectric properties of epoxy nanocomposites. Journal of Materials Science: Materials in Electronics, 2018, 29, 5908-5917. | 1.1 | 6 |
| 24 | Influence of TiO ₂ Incorporation on the Microstructure, Optical, and Dielectric Properties of TiO ₂ /Epoxy Composites. Journal of Inorganic and Organometallic Polymers and Materials, 2018, 28, 1114-1126. | 1.9 | 35 |
| 25 | Analysis of high temperature phase transitions of copper doped (C ₂ H ₅ NH ₃) ₂ CdCl ₄ perovskite. Journal of Molecular Structure, 2018, 1165, 236-245. | 1.8 | 6 |
| 26 | Electronic conduction mechanism and optical spectroscopy of Indigo carmine as novel organic semiconductors. Optical and Quantum Electronics, 2018, 50, 1. | 1.5 | 10 |
| 27 | CdS/PVA In-Situ Polymerization Composite Films with Enhanced Structural, Optics, Limiting Effect and Electrical Properties. Journal of Inorganic and Organometallic Polymers and Materials, 2018, 28, 1494-1501. | 1.9 | 12 |
| 28 | Physical investigations and photocatalytic activities on ZnO and SnO ₂ thin films deposited on flexible polymer substrate. Vacuum, 2018, 155, 546-552. | 1.6 | 37 |
| 29 | Effect of organic dyes on structural properties, linear optics and impedance spectroscopy of methyl orange (C.I. acid orange 52) doped polyvinyl alcohol composite thin films. Journal of Materials Science: Materials in Electronics, 2018, 29, 16446-16453. | 1.1 | 15 |
| 30 | Structural and optical investigation of (V, Al) doped and co-doped ZnO nanopowders: Tailored visible luminescence for white light emitting diodes. Superlattices and Microstructures, 2018, 122, 349-361. | 1.4 | 23 |
| 31 | Synthesis, phase transition and analysis of high temperature AC conductivity of (C ₂ H ₅ NH ₃) ₂ Cd _{0.5} Cu _{0.5} Cl ₄ perovskite. Microelectronic Engineering, 2018, 200, 12-18. | 1.1 | 3 |
| 32 | Enhanced structural and optical properties of ZnO nanopowder with tailored visible luminescence as a function of sodium hydroxide to zinc sulfate mass ratio. Advanced Powder Technology, 2018, 29, 325-332. | 2.0 | 9 |
| 33 | Design of smart optical sensor using polyvinyl alcohol/Fluorescein sodium salt: Laser filters and optical limiting effect. Journal of Molecular Structure, 2018, 1156, 492-500. | 1.8 | 34 |
| 34 | Physical investigations on undoped and Fluorine doped SnO ₂ nanofilms on flexible substrate along with wettability and photocatalytic activity tests. Materials Science in Semiconductor Processing, 2017, 61, 17-26. | 1.9 | 41 |
| 35 | Structural, optical properties and characterization of (C ₂ H ₅ NH ₃) ₂ CdCl ₄ , (C ₂ H ₅ NH ₃) ₂ CuCl ₄ and (C ₂ H ₅ NH ₃) ₂ Cd _{0.5} Cu _{0.5} Cl ₄ compounds. Journal of Alloys and Compounds, 2017, 696, 1244-1254. | 2.8 | 27 |
| 36 | A comparative study of structural and dielectric properties of diglycidyl ether of bisphenol A (DGEBA) cured with aromatic or aliphatic hardeners. Journal of Materials Science, 2016, 51, 7874-7886. | 1.7 | 20 |

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|----|---|-----|-----------|
| 37 | Correlation between structural and optical properties of GaN epi-layers by the cathodoluminescence technique. <i>European Physical Journal Plus</i> , 2016, 131, 1. | 1.2 | 6 |
| 38 | Optical, electrical properties and characterization of (C ₂ H ₅ NH ₃) ₂ CdCl ₄ compound. <i>Optik</i> , 2016, 127, 5534-5541. | 1.4 | 14 |
| 39 | Study of AC electrical conduction mechanisms in an epoxy polymer. <i>European Physical Journal Plus</i> , 2015, 130, 1. | 1.2 | 4 |
| 40 | Cathodoluminescence and depth profiling studies of unintentionally doped GaN films grown by MOVPE. <i>Materials Research Express</i> , 2015, 2, 106201. | 0.8 | 3 |
| 41 | Structural and optical characterization of copper oxide composite thin films elaborated by GLAD technique. <i>Vacuum</i> , 2015, 121, 9-17. | 1.6 | 46 |
| 42 | Preparation, structural and optical investigations of ITO nanopowder and ITO/epoxy nanocomposites. <i>Materials Science in Semiconductor Processing</i> , 2015, 39, 536-543. | 1.9 | 21 |
| 43 | Dielectric relaxations investigation of a synthesized epoxy resin polymer. <i>European Physical Journal Plus</i> , 2015, 130, 1. | 1.2 | 14 |
| 44 | Preparation and electrical properties in epoxy resin/In ₂ O ₃ :Sn nanocomposites materials for optoelectronics. <i>Materials Science in Semiconductor Processing</i> , 2015, 34, 334-342. | 1.9 | 2 |
| 45 | Low-temperature growth and physical investigations of undoped and (In, Co) doped ZnO thin films sprayed on PEI flexible substrate. <i>Superlattices and Microstructures</i> , 2015, 84, 99-112. | 1.4 | 19 |
| 46 | Effects of curing agent on conductivity, structural and dielectric properties of an epoxy polymer. <i>Polymer</i> , 2015, 79, 73-81. | 1.8 | 24 |
| 47 | Thermally stimulated depolarization current and dielectric spectroscopy used to study dipolar relaxations and trap level distribution in PMMA polymer. <i>Journal of Non-Crystalline Solids</i> , 2015, 427, 76-82. | 1.5 | 19 |
| 48 | Elaboration, structural and optical investigations of ZnO/epoxy nanocomposites. <i>European Physical Journal Plus</i> , 2015, 130, 1. | 1.2 | 13 |
| 49 | Study of electrical properties of polymethylmethacrylate treated in aqueous and saline environments. <i>EPJ Applied Physics</i> , 2015, 69, 20202. | 0.3 | 2 |
| 50 | Study of polarization parameters effect on dipolar relaxation in epoxy-based polymer using thermally stimulated depolarization current. <i>EPJ Applied Physics</i> , 2014, 65, 31302. | 0.3 | 8 |
| 51 | Thermally Stimulated Depolarization Current analysis to the determination of polarization and relaxation parameters in aged PMMA. <i>IOP Conference Series: Materials Science and Engineering</i> , 2010, 13, 012018. | 0.3 | 1 |
| 52 | Effect of space charges on the local field and mechanisms of conduction in aged PMMA. <i>IOP Conference Series: Materials Science and Engineering</i> , 2010, 13, 012006. | 0.3 | 5 |
| 53 | Study of relaxations in epoxy polymer by thermally stimulated depolarization current (TSDC) and dielectric relaxation spectroscopy (DRS). <i>Journal of Alloys and Compounds</i> , 2010, 489, 429-436. | 2.8 | 36 |
| 54 | Study of charge relaxations after thermal aging in poly (methyl methacrylate). <i>Physics Procedia</i> , 2009, 2, 961-970. | 1.2 | 8 |

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|----|---|-----|-----------|
| 55 | Investigation on electrical properties of thermally aged PMMA by combined use of FTIR and impedance spectroscopies. <i>Journal of Alloys and Compounds</i> , 2009, 469, 197-202. | 2.8 | 73 |
| 56 | Study of dielectric relaxations in zinc oxide-epoxy resin nanocomposites. <i>Journal of Alloys and Compounds</i> , 2009, 477, 316-321. | 2.8 | 72 |
| 57 | Heat treatment effects on dielectric and physico-chemical properties of an epoxy polymer. <i>Journal of Physics and Chemistry of Solids</i> , 2008, 69, 2476-2480. | 1.9 | 13 |
| 58 | Dielectric properties in aged amorphous silicon oxide thin film. <i>Journal of Alloys and Compounds</i> , 2008, 456, 425-428. | 2.8 | 3 |
| 59 | Towards a structural characterization of an epoxy based polymer using small-angle x-ray scattering. <i>Journal of Applied Physics</i> , 2007, 101, 043509. | 1.1 | 11 |
| 60 | Study of thermal aging effect on space charge in poly(methyl methacrylate). <i>European Polymer Journal</i> , 2007, 43, 4821-4829. | 2.6 | 18 |
| 61 | Characterisation of gamma-irradiated polyetherimide films with infrared spectroscopy and thermally stimulated current measurements. <i>Polymer International</i> , 2007, 56, 325-332. | 1.6 | 6 |
| 62 | Structural changes in epoxy resin polymer after heating and their influence on space charges. <i>Polymer International</i> , 2003, 52, 1287-1293. | 1.6 | 16 |
| 63 | A new numerical technique of electric field determination within dielectric materials plate and cable using the TSM method. <i>EPJ Applied Physics</i> , 2003, 23, 63-71. | 0.3 | 3 |
| 64 | Characterisation and phase transitions in a new mixed acid sulphate $K_{0.9}Rb_{0.1}HSO_4$. <i>EPJ Applied Physics</i> , 2002, 18, 99-107. | 0.3 | 1 |
| 65 | Determination of the diffusion length and the optical self absorption coefficient using EBIC model. <i>EPJ Applied Physics</i> , 2001, 16, 45-51. | 0.3 | 5 |
| 66 | Influence of heat treatment on the space charge within an epoxy resin polymer material. <i>Polymer International</i> , 2001, 50, 743-747. | 1.6 | 14 |
| 67 | Space charge measurements by the thermal step method in epoxidic polymer materials. <i>Polymer International</i> , 2000, 49, 1513-1518. | 1.6 | 7 |
| 68 | Contribution to the theoretical and experimental study of the dielectric material $Rb_{0.7}(NH_4)_{0.3}HSO_4$. <i>EPJ Applied Physics</i> , 2000, 11, 83-89. | 0.3 | 2 |
| 69 | Dielectric, optical and infrared studies of the mixed caesium-ammonium acid sulphate $Cs_{0.9}(NH_4)_{0.1}HSO_4$. <i>Phase Transitions</i> , 1996, 56, 61-66. | 0.6 | 6 |