

# Zohra Nazir Kayani

## List of Publications by Year in descending order

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84  
papers

1,378  
citations

394421

19  
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414414

32  
g-index

84  
all docs

84  
docs citations

84  
times ranked

1392  
citing authors

| #  | ARTICLE                                                                                                                                                                                                                                                                                | IF  | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1  | Analysis of the Nd dopant on optical, dielectric and biological properties of ZnO nanostructures. Journal of the Mechanical Behavior of Biomedical Materials, 2022, 126, 105016.                                                                                                       | 3.1 | 10        |
| 2  | Field emission properties and ferromagnetic exchange interactions in $\text{Fe}^{3+}$ -Fe <sub>2</sub> O <sub>3</sub> and Fe <sub>3</sub> O <sub>4</sub> nanoneedles assisted oleic acid-assisted growth. Journal of Materials Science: Materials in Electronics, 2022, 33, 4025-4042. | 2.2 | 5         |
| 3  | Dielectric and ferroelectric properties of X8R perovskite barium titanate for application in multilayered ceramics capacitors. Journal of Materials Science: Materials in Electronics, 2022, 33, 7405-7422.                                                                            | 2.2 | 6         |
| 4  | Vanadium modified di-bismuth tetra-oxide thin films; synthesis, characterization and properties. Materials Chemistry and Physics, 2022, 282, 125944.                                                                                                                                   | 4.0 | 5         |
| 5  | Effect of Ce doping on crystallite size, band gap, dielectric and antibacterial properties of photocatalyst copper oxide Nano-structured thin films. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2022, 283, 115799.                            | 3.5 | 6         |
| 6  | Pulsed laser deposited Cobalt doped Ti <sub>0.9</sub> Fe <sub>0.1-x</sub> O <sub>2</sub> thin films: Structural, morphological, magnetic, optical and electrical properties. Ceramics International, 2021, 47, 8555-8565.                                                              | 4.8 | 9         |
| 7  | Investigation of structural, optical, antibacterial, and dielectric properties of V-doped copper oxide thin films: Comparison with undoped copper oxide thin films. Advanced Powder Technology, 2021, 32, 2345-2358.                                                                   | 4.1 | 17        |
| 8  | Effect of Au ions on structural, optical, magnetic, dielectric, and antibacterial properties of TiO <sub>2</sub> dip-coated thin films. Journal of Materials Science: Materials in Electronics, 2021, 32, 14398-14419.                                                                 | 2.2 | 6         |
| 9  | Antibacterial, magnetic and dielectric properties of nano-structured V doped TiO <sub>2</sub> thin films deposited by dip coating technique. Materials Chemistry and Physics, 2021, 267, 124659.                                                                                       | 4.0 | 12        |
| 10 | Structural confirmation and elucidation of optical, photo-catalytic and antibacterial properties of cerium doped Bi <sub>2</sub> O <sub>4</sub> . Journal of Physics and Chemistry of Solids, 2021, 155, 110104.                                                                       | 4.0 | 14        |
| 11 | An insight of physical and antibacterial properties of Au-doped ZnO dip coated thin films. Optical Materials, 2021, 118, 111276.                                                                                                                                                       | 3.6 | 12        |
| 12 | Sol-gel synthesized boron nitride (BN) thin films for antibacterial and magnetic applications. Optik, 2021, 243, 167502.                                                                                                                                                               | 2.9 | 10        |
| 13 | Structural, optical and magnetic properties of ZnO nanoparticles tailored by $\text{La}^{3+}$ ions. Optik, 2021, 244, 166816.                                                                                                                                                          | 2.9 | 7         |
| 14 | Effect of Mg doping on structural, morphological, optical and thermal properties of ZnO nanoparticles. Optik, 2020, 200, 163428.                                                                                                                                                       | 2.9 | 57        |
| 15 | Magnetic and antibacterial studies of sol-gel dip coated Ce doped TiO <sub>2</sub> thin films: Influence of Ce contents. Ceramics International, 2020, 46, 381-390.                                                                                                                    | 4.8 | 60        |
| 16 | Magneto-dielectric properties of in-situ oxidized magnesium-aluminium spinel thin films using electrodeposition. Ceramics International, 2020, 46, 8588-8600.                                                                                                                          | 4.8 | 12        |
| 17 | Antibacterial, magnetic, optical and dielectric analysis of novel La <sub>2</sub> O <sub>3</sub> doped ZnO thin films. Optical Materials, 2020, 109, 110287.                                                                                                                           | 3.6 | 22        |
| 18 | Enhanced magnetic, antibacterial and optical properties of Sm doped ZnO thin films: Role of Sm doping. Optical Materials, 2020, 108, 110457.                                                                                                                                           | 3.6 | 51        |

| #  | ARTICLE                                                                                                                                                                                                      | IF  | CITATIONS |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Effect of capping agent on microwave assisted sol-gel synthesized zirconia coatings for optical applications. <i>Optik</i> , 2020, 222, 165297.                                                              | 2.9 | 6         |
| 20 | Transparent boron-doped zinc oxide films for antibacterial and magnetic applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 11911-11926.                                 | 2.2 | 21        |
| 21 | Dielectric and Magnetic Properties of Rare-Earth Metal Ce-Doped ZnO Thin Films. <i>Journal of Electronic Materials</i> , 2020, 49, 3114-3123.                                                                | 2.2 | 3         |
| 22 | Dielectric and magnetic properties of dilute magnetic semiconductors Ag-doped ZnO thin films. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.                                     | 2.3 | 12        |
| 23 | Impact of Ag doping on structural, optical, morphological, optical and photoluminescent properties of ZnO nanoparticles. <i>Optical and Quantum Electronics</i> , 2020, 52, 1.                               | 3.3 | 19        |
| 24 | Role of Mn in biological, optical, and magnetic properties ZnO nano-particles. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.                                                    | 2.3 | 34        |
| 25 | Dip-coated V doped ZnO thin films: Dielectric and magnetic properties. <i>Ceramics International</i> , 2020, 46, 14605-14612.                                                                                | 4.8 | 15        |
| 26 | Microwave assisted tuning of optical and magnetic properties of zinc oxide nanorodsâ€”efficient antibacterial and photocatalytic agent. <i>Journal of Sol-Gel Science and Technology</i> , 2020, 95, 88-100. | 2.4 | 7         |
| 27 | Assessment of antibacterial and optical features of sol-gel dip coated La doped TiO <sub>2</sub> thin films. <i>Materials Chemistry and Physics</i> , 2020, 250, 123217.                                     | 4.0 | 29        |
| 28 | Structural and magnetic properties of nano-crystalline FeCoNiN thin films. <i>Journal of Saudi Chemical Society</i> , 2019, 23, 392-396.                                                                     | 5.2 | 1         |
| 29 | The effect of the withdrawal speed on properties of nickel oxide thin films. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2019, 234, 647-655.                                           | 0.8 | 2         |
| 30 | Optical properties and antibacterial activity of V doped ZnO used in solar cells and biomedical applications. <i>Materials Research Bulletin</i> , 2019, 115, 121-129.                                       | 5.2 | 32        |
| 31 | Structure and Optical Properties of TiO <sub>2</sub> Thin Films Prepared by a Sol-Gel Processing. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2019, 74, 635-642.        | 1.5 | 2         |
| 32 | Investigation of structural, optical and magnetic characteristics of Co <sub>3</sub> O <sub>4</sub> thin films. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.                   | 2.3 | 11        |
| 33 | Tailoring of optical, biological and magnetic properties of nanocrystalline Fe doped TiO <sub>2</sub> thin films. <i>Materials Research Express</i> , 2019, 6, 1250h2.                                       | 1.6 | 9         |
| 34 | Structural and magnetization crossover in electrodeposited FeAl <sub>2</sub> O <sub>4</sub> â€” effect of <i>in situ</i> oxidation. <i>RSC Advances</i> , 2019, 9, 38183-38194.                              | 3.6 | 7         |
| 35 | Influence of Al percentage on the magnetic, optical, and structural properties of Al-doped CoZnO thin films. <i>Journal of the Australian Ceramic Society</i> , 2019, 55, 479-487.                           | 1.9 | 4         |
| 36 | Tuning of optical and antibacterial characteristics of ZnO thin films: Role of Ce content. <i>Ceramics International</i> , 2019, 45, 3930-3939.                                                              | 4.8 | 20        |

| #  | ARTICLE                                                                                                                                                                                                                                     | IF  | CITATIONS |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | Role of co-doping on structural, optical and magnetic properties of nano-crystalline ZnO thin films. <i>Materials Research Express</i> , 2019, 6, 036404.                                                                                   | 1.6 | 3         |
| 38 | Preparation and characterization of dip coated cobalt oxide thin films. <i>Materials Research Innovations</i> , 2019, 23, 253-259.                                                                                                          | 2.3 | 5         |
| 39 | Effect of in-situ oxidation on structure and ferromagnetic properties of Fe <sub>3</sub> Al and FeAl <sub>2</sub> O <sub>4</sub> thin films prepared by electrodeposition. <i>Ceramics International</i> , 2018, 44, 9550-9560.             | 4.8 | 17        |
| 40 | Investigation of Fe doping on the magnetic and optical properties of ZnO thin films. <i>Materials Research Express</i> , 2018, 5, 036418.                                                                                                   | 1.6 | 9         |
| 41 | Probe of ZrTiO <sub>2</sub> thin films with TiO <sub>2</sub> -ZrO <sub>2</sub> binary oxides deposited by dip coating technique. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 183, 357-366.                         | 3.8 | 19        |
| 42 | Effect of Cu doping on the structural, magnetic and optical properties of ZnO thin films. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.                                                                        | 2.3 | 27        |
| 43 | Structural, magnetic and optical investigations of Fe and Ni co-doped TiO <sub>2</sub> dilute magnetic semiconductors. <i>Ceramics International</i> , 2018, 44, 17767-17774.                                                               | 4.8 | 17        |
| 44 | Biological and optical properties of sol-gel derived ZnO using different percentages of silver contents. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 171, 383-390.                                                                | 5.0 | 17        |
| 45 | Photocatalytic, antibacterial, optical and magnetic properties of Fe-doped ZnO nano-particles prepared by sol-gel. <i>Materials Science in Semiconductor Processing</i> , 2018, 88, 109-119.                                                | 4.0 | 64        |
| 46 | Synthesis of NiO nanoparticles by sol-gel technique. <i>Materials Science-Poland</i> , 2018, 36, 547-552.                                                                                                                                   | 1.0 | 33        |
| 47 | Characteristics of Al-doped ZnO:Ni films grown on glass by sol-gel dip coating technique. <i>Journal of Saudi Chemical Society</i> , 2017, 21, 425-433.                                                                                     | 5.2 | 15        |
| 48 | Study of Nickel Nitride Thin Films Deposited by Sol-Gel Route. <i>Transactions of the Indian Institute of Metals</i> , 2017, 70, 1097-1101.                                                                                                 | 1.5 | 2         |
| 49 | Properties of NiZnO Thin Films with Different Amounts of Al Doping. <i>Journal of Electronic Materials</i> , 2017, 46, 5764-5772.                                                                                                           | 2.2 | 2         |
| 50 | Effect of Co doping on the physical properties of Co-doped ZnO nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 5953-5961.                                                                          | 2.2 | 16        |
| 51 | Optical, magnetic and structural properties of Cr-doped ZnO thin films by sol-gel dip-coating method. <i>Materials Research Express</i> , 2017, 4, 096403.                                                                                  | 1.6 | 11        |
| 52 | Structural, Optical and Magnetic Properties of Nanocrystalline Co-Doped ZnO Thin Films Grown by Sol-Gel. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2017, 73, 13-21.                                  | 1.5 | 9         |
| 53 | Influence of annealing temperature on the structural, optical, and magnetic properties of two-phase MnZnO <sub>x</sub> (x=1, 3) thin films grown by a sol-gel method. <i>Journal of the Australian Ceramic Society</i> , 2017, 53, 863-874. | 1.9 | 2         |
| 54 | Effect of aluminum doping concentration on optical, magnetic and microstructural properties of MnZnO thin films. <i>Optik</i> , 2017, 144, 172-179.                                                                                         | 2.9 | 4         |

| #  | ARTICLE                                                                                                                                                          | IF  | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 55 | Fabrication and characterization of nanocrystalline Al, Co:ZnO thin films by a sol-gel dip coating. <i>Optical and Quantum Electronics</i> , 2017, 49, 1.        | 3.3 | 7         |
| 56 | Deposition of porous titanium oxide thin films as anti-fogging and anti-reflecting medium. <i>Optik</i> , 2016, 127, 5124-5127.                                  | 2.9 | 9         |
| 57 | Structural, optical and magnetic properties of aluminum doped MnZnO films deposited by dip coating. <i>Journal of Alloys and Compounds</i> , 2016, 662, 489-496. | 5.5 | 12        |
| 58 | Structural and Magnetic Properties of CoZnO Films. <i>Materials Today: Proceedings</i> , 2015, 2, 5473-5476.                                                     | 1.8 | 2         |
| 59 | Effect of Calcination on Phase Transition in Iron Oxide Nanoparticles. <i>Materials Today: Proceedings</i> , 2015, 2, 5743-5747.                                 | 1.8 | 4         |
| 60 | Structural and Magnetic Properties of Iron Doped ZnO Nanoparticles. <i>Materials Today: Proceedings</i> , 2015, 2, 5384-5389.                                    | 1.8 | 14        |
| 61 | Structural and Optical Study of NiO Nano-particles. <i>Materials Today: Proceedings</i> , 2015, 2, 5804-5807.                                                    | 1.8 | 8         |
| 62 | Fabrication of Copper Oxide Nanoparticles by Sol-gel Route. <i>Materials Today: Proceedings</i> , 2015, 2, 5446-5449.                                            | 1.8 | 9         |
| 63 | Structural, Optical and Magnetic Properties of MnZnO Thin Films. <i>Materials Today: Proceedings</i> , 2015, 2, 5166-5169.                                       | 1.8 | 2         |
| 64 | Optical and Magnetic Properties of Iron Oxide Thin Films. <i>Materials Today: Proceedings</i> , 2015, 2, 5568-5571.                                              | 1.8 | 4         |
| 65 | Structural, Optical and Magnetic Properties of Iron Oxide Nano-particles. <i>Materials Today: Proceedings</i> , 2015, 2, 5660-5663.                              | 1.8 | 6         |
| 66 | Magnetic and Structural Phase Transition in Iron Oxide Nanostructures. <i>Materials Today: Proceedings</i> , 2015, 2, 5280-5287.                                 | 1.8 | 5         |
| 67 | Preparation of Thin Film of NiZnO by Sol-Gel Dip Coating. <i>Materials Today: Proceedings</i> , 2015, 2, 5607-5610.                                              | 1.8 | 0         |
| 68 | Effect of Calcination on Properties of ZnO Nanoparticles. <i>Materials Today: Proceedings</i> , 2015, 2, 5468-5472.                                              | 1.8 | 17        |
| 69 | Fabrication and properties of zinc oxide thin film prepared by sol-gel dip coating method. <i>Materials Science-Poland</i> , 2015, 33, 515-520.                  | 1.0 | 59        |
| 70 | Synthesis and Characterization of ZnO Nanoparticles. <i>Materials Today: Proceedings</i> , 2015, 2, 5619-5621.                                                   | 1.8 | 11        |
| 71 | Effect of calcination temperature on the properties of ZnO nanoparticles. <i>Applied Physics A: Materials Science and Processing</i> , 2015, 119, 713-720.       | 2.3 | 98        |
| 72 | Characterization of Copper Oxide Nanoparticles Fabricated by the Sol-Gel Method. <i>Journal of Electronic Materials</i> , 2015, 44, 3704-3709.                   | 2.2 | 117       |

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|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 73 | Structural, optical and magnetic properties of manganese zinc oxide thin films prepared by sol-gel dip coating method. Superlattices and Microstructures, 2015, 82, 472-482. | 3.1 | 24        |
| 74 | Dip coated nickel zinc oxide thin films: Structural, optical and magnetic investigations. Superlattices and Microstructures, 2015, 77, 171-180.                              | 3.1 | 22        |
| 75 | STRUCTURAL AND MAGNETIC PROPERTIES OF THIN FILM OF IRON NITRIDE. Surface Review and Letters, 2014, 21, 1450013.                                                              | 1.1 | 7         |
| 76 | STRUCTURAL AND MAGNETIC PROPERTIES OF THE THIN FILM OF COBALT NITRIDE. Surface Review and Letters, 2014, 21, 1450081.                                                        | 1.1 | 3         |
| 77 | Structural and magnetic properties of FeCoNi thin films. Indian Journal of Physics, 2014, 88, 165-169.                                                                       | 1.8 | 5         |
| 78 | Structural, Optical, and Magnetic Properties of Cobalt-Doped Dip Coated ZnO Films. IEEE Transactions on Magnetics, 2014, 50, 1-4.                                            | 2.1 | 11        |
| 79 | Effect of Bi/Fe Ratio on the Structural and Magnetic Properties of BiFeO <sub>3</sub> Thin Films by Sol-Gel. IEEE Transactions on Magnetics, 2014, 50, 1-4.                  | 2.1 | 10        |
| 80 | Synthesis of Iron Oxide Nanoparticles by Sol-Gel Technique and Their Characterization. IEEE Transactions on Magnetics, 2014, 50, 1-4.                                        | 2.1 | 45        |
| 81 | Optical and structural properties of thin films of ZnO at elevated temperature. Journal of Alloys and Compounds, 2014, 606, 177-181.                                         | 5.5 | 30        |
| 82 | Development of novel chiral dopants to be used in ferroelectric liquid crystal system. Journal of Molecular Liquids, 2013, 180, 74-88.                                       | 4.9 | 3         |
| 83 | Synthesis of 4-Alkyl-2,3-difluoro terphenyl nitrile using coupling reactions. Journal of Molecular Liquids, 2012, 175, 72-84.                                                | 4.9 | 5         |
| 84 | Cyanoalkyl difluoro-terphenyl-carboxylate chiral dopants. Journal of Molecular Liquids, 2012, 170, 11-19.                                                                    | 4.9 | 2         |