

Munirah Abdullah Almessiere

List of Publications by Year in descending order

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276
papers

10,184
citations

19608

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62479

80
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281
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281
docs citations

281
times ranked

3951
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Correlation Between Composition and Electrodynamics Properties in Nanocomposites Based on Hard/Soft Ferrimagnetics with Strong Exchange Coupling. <i>Nanomaterials</i> , 2019, 9, 202. | 1.9 | 213 |
| 2 | Structural and magnetic properties of Ce-doped strontium hexaferrite. <i>Ceramics International</i> , 2018, 44, 9000-9008. | 2.3 | 151 |
| 3 | Magneto-optical and microstructural properties of spinel cubic copper ferrites with Li-Al co-substitution. <i>Ceramics International</i> , 2018, 44, 14242-14250. | 2.3 | 138 |
| 4 | Correlation between microstructure parameters and anti-cancer activity of the $[\text{Mn}_{0.5}\text{Zn}_{0.5}](\text{Eu}_x\text{Nd}_x\text{Fe}_{2-2x})\text{O}_4$ nanoferrites produced by modified sol-gel and ultrasonic methods. <i>Ceramics International</i> , 2020, 46, 7346-7354. | 2.3 | 128 |
| 5 | Impact of Eu^{3+} ion substitution on structural, magnetic and microwave traits of $\text{Ni}^{2+}\text{Cu}^{2+}\text{Zn}$ spinel ferrites. <i>Ceramics International</i> , 2020, 46, 11124-11131. | 2.3 | 126 |
| 6 | Enhanced magnetic property and antibacterial biomedical activity of Ce^{3+} doped CuFe_2O_4 spinel nanoparticles synthesized by sol-gel method. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 478, 140-147. | 1.0 | 124 |
| 7 | Prophylaxis of calcium oxalate stones by <i>Herniaria hirsuta</i> on experimentally induced nephrolithiasis in rats. <i>BJU International</i> , 2003, 92, 137-140. | 1.3 | 117 |
| 8 | Uptake and translocation of magnetite (Fe_3O_4) nanoparticles and its impact on photosynthetic genes in barley (<i>Hordeum vulgare</i> L.). <i>Chemosphere</i> , 2019, 226, 110-122. | 4.2 | 117 |
| 9 | Magneto-optical properties of rare earth metals substituted Co-Zn spinel nanoferrites. <i>Ceramics International</i> , 2019, 45, 3449-3458. | 2.3 | 111 |
| 10 | Influence of the dysprosium ions on structure, magnetic characteristics and origin of the reflection losses in the Ni^{2+}Co spinels. <i>Journal of Alloys and Compounds</i> , 2020, 841, 155667. | 2.8 | 109 |
| 11 | Structural, optical and magnetic properties of Tm^{3+} substituted cobalt spinel ferrites synthesized via sonochemical approach. <i>Ultrasonics Sonochemistry</i> , 2019, 54, 1-10. | 3.8 | 108 |
| 12 | Influence of the charge ordering and quantum effects in heterovalent substituted hexaferrites on their microwave characteristics. <i>Journal of Alloys and Compounds</i> , 2019, 788, 1193-1202. | 2.8 | 105 |
| 13 | Strong correlation between Dy^{3+} concentration, structure, magnetic and microwave properties of the $[\text{Ni}_{0.5}\text{Co}_{0.5}](\text{Dy}_x\text{Fe}_{2-x})\text{O}_4$ nanosized ferrites. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 90, 251-259. | 2.9 | 103 |
| 14 | Magnetic and microwave properties of $\text{SrFe}_{12}\text{O}_{19}/\text{MCo}_{0.04}\text{Fe}_{1.96}\text{O}_4$ ($\text{M} = \text{Cu, Ni, Mn, Co}$ and Zn) hard/soft nanocomposites. <i>Journal of Materials Research and Technology</i> , 2020, 9, 5858-5870. | 2.6 | 102 |
| 15 | Sonochemical synthesis and physical properties of $\text{Co}_{0.3}\text{Ni}_{0.5}\text{Mn}_{0.2}\text{Eu}_x\text{Fe}_{2-x}\text{O}_4$ nano-spinel ferrites. <i>Ultrasonics Sonochemistry</i> , 2019, 58, 104654. | 3.8 | 99 |
| 16 | Investigation of structural and physical properties of Eu^{3+} ions substituted $\text{Ni}_{0.4}\text{Cu}_{0.2}\text{Zn}_{0.4}\text{Fe}_2\text{O}_4$ spinel ferrite nanoparticles prepared via sonochemical approach. <i>Results in Physics</i> , 2020, 17, 103061. | 2.0 | 99 |
| 17 | Magnetic and structural characterization of Nb^{3+} -substituted CoFe_2O_4 nanoparticles. <i>Ceramics International</i> , 2019, 45, 8222-8232. | 2.3 | 98 |
| 18 | Impact of ZnO addition on structural, morphological, optical, dielectric and electrical performances of BaTiO_3 ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 9520-9530. | 1.1 | 97 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Structural, morphological and magneto-optical properties of CuMoO ₄ electrochemical nanocatalyst as supercapacitor electrode. <i>Ceramics International</i> , 2018, 44, 20075-20083. | 2.3 | 95 |
| 20 | Magnetic Attributes of NiFe ₂ O ₄ Nanoparticles: Influence of Dysprosium Ions (Dy ³⁺) Substitution. <i>Nanomaterials</i> , 2019, 9, 820. | 1.9 | 95 |
| 21 | Effect of dysprosium substitution on magnetic and structural properties of NiFe ₂ O ₄ nanoparticles. <i>Journal of Rare Earths</i> , 2019, 37, 871-878. | 2.5 | 93 |
| 22 | Peculiarities of the microwave properties of hard-soft functional composites SrTb _{0.01} Tm _{0.01} Fe _{11.98} O ₁₉ •AFe ₂ O ₄ (A = Co, Ni, Zn, Cu, or Mn). <i>RSC Advances</i> , 2020, 10, 32638-32651. | 1.7 | 92 |
| 23 | Exchange spring magnetic behavior of Sr _{0.3} Ba _{0.4} Pb _{0.3} Fe ₁₂ O ₁₉ /(CuFe ₂ O ₄) _x nanocomposites fabricated by a one-pot citrate sol-gel combustion method. <i>Journal of Alloys and Compounds</i> , 2018, 762, 389-397. | 2.8 | 90 |
| 24 | Ce-Nd Co-substituted nanospinel cobalt ferrites: An investigation of their structural, magnetic, optical, and apoptotic properties. <i>Ceramics International</i> , 2019, 45, 16147-16156. | 2.3 | 90 |
| 25 | Impact of La ³⁺ and Y ³⁺ ion substitutions on structural, magnetic and microwave properties of Ni _{0.3} Cu _{0.3} Zn _{0.4} Fe ₂ O ₄ nanospinel ferrites synthesized via sonochemical route. <i>RSC Advances</i> , 2019, 9, 30671-30684. | 1.7 | 90 |
| 26 | Ni _{0.4} Cu _{0.2} Zn _{0.4} TbxFe _{2-x} O ₄ nanospinel ferrites: Ultrasonic synthesis and physical properties. <i>Ultrasonics Sonochemistry</i> , 2019, 59, 104757. | 3.8 | 89 |
| 27 | Influence of WO ₃ nanowires on structural, morphological and flux pinning ability of YBa ₂ Cu ₃ O ₇ superconductor. <i>Ceramics International</i> , 2019, 45, 2621-2628. | 2.3 | 89 |
| 28 | Investigation of structural, morphological, optical, magnetic and dielectric properties of (1-x)BaTiO ₃ /xSr _{0.92} Ca _{0.04} Mg _{0.04} Fe ₁₂ O ₁₉ composites. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 510, 166933. | 1.0 | 89 |
| 29 | Structural and magnetic properties of Ce-Y substituted strontium nanohexaferrites. <i>Ceramics International</i> , 2018, 44, 12511-12519. | 2.3 | 88 |
| 30 | Effect of Cr ³⁺ substitution on AC susceptibility of Ba hexaferrite nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 458, 204-212. | 1.0 | 88 |
| 31 | Structural, magnetic and electrochemical characterizations of Bi ₂ Mo ₂ O ₉ nanoparticle for supercapacitor application. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 486, 165254. | 1.0 | 88 |
| 32 | Effect of bimetallic (Ca, Mg) substitution on magneto-optical properties of NiFe ₂ O ₄ nanoparticles. <i>Ceramics International</i> , 2019, 45, 6021-6029. | 2.3 | 88 |
| 33 | SiO ₂ nanoparticles addition effect on microstructure and pinning properties in YBa ₂ Cu ₃ O _y . <i>Ceramics International</i> , 2014, 40, 4953-4962. | 2.3 | 86 |
| 34 | Effect of Nb ³⁺ Substitution on the Structural, Magnetic, and Optical Properties of Co _{0.5} Ni _{0.5} Fe ₂ O ₄ Nanoparticles. <i>Nanomaterials</i> , 2019, 9, 430. | 1.9 | 86 |
| 35 | The effect of Nb substitution on magnetic properties of BaFe ₁₂ O ₁₉ nanohexaferrites. <i>Ceramics International</i> , 2019, 45, 1691-1697. | 2.3 | 84 |
| 36 | Study of tungsten oxide effect on the performance of BaTiO ₃ ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 13509-13518. | 1.1 | 82 |

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|----|---|-----|-----------|
| 37 | Structural, magnetic, optical properties and cation distribution of nanosized $\text{Ni}_{0.3}\text{Cu}_{0.3}\text{Zn}_{0.4}\text{Tm}_x\text{Fe}_{2-x}\text{O}_4$ ($0.0 \leq x \leq 0.10$) spinel ferrites synthesized by ultrasound irradiation. <i>Ultrasonics Sonochemistry</i> , 2019, 57, 203-211. | 3.8 | 81 |
| 38 | Frequency and dc bias voltage dependent dielectric properties and electrical conductivity of $\text{BaTiO}_3\text{SrTiO}_3/(\text{SiO}_2)_x$ nanocomposites. <i>Ceramics International</i> , 2019, 45, 11989-12000. | 2.3 | 81 |
| 39 | Synthesis of Electrospun TiO_2 Nanofibers and Characterization of Their Antibacterial and Antibiofilm Potential against Gram-Positive and Gram-Negative Bacteria. <i>Antibiotics</i> , 2020, 9, 572. | 1.5 | 81 |
| 40 | Tuning the Structure, Magnetic, and High Frequency Properties of Sc^{3+} -Doped $\text{Sr}_{0.5}\text{Ba}_{0.5}\text{Sc}_x\text{Fe}_{12-x}\text{O}_{19}$ Hard/Soft Nanocomposites. <i>Advanced Electronic Materials</i> , 2022, 8, . | 2.6 | 81 |
| 41 | Structural, morphological and magnetic properties of hard/soft $\text{SrFe}_{12-x}\text{V}_x\text{O}_{19}/(\text{Ni}_{0.5}\text{Mn}_{0.5}\text{Fe}_2\text{O}_4)_y$ nanocomposites: Effect of vanadium substitution. <i>Journal of Alloys and Compounds</i> , 2018, 767, 966-975. | 2.8 | 80 |
| 42 | Microstructural and magnetic investigation of vanadium-substituted Sr-nanohexaferrite. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 471, 124-132. | 1.0 | 80 |
| 43 | Higher intra-granular and inter-granular performances of YBCO superconductor with TiO_2 nano-sized particles addition. <i>Ceramics International</i> , 2018, 44, 18836-18843. | 2.3 | 78 |
| 44 | Impact of Nd-Zn co-substitution on microstructure and magnetic properties of $\text{SrFe}_{12}\text{O}_{19}$ nanohexaferrite. <i>Ceramics International</i> , 2019, 45, 963-969. | 2.3 | 78 |
| 45 | Substitution effect of Cr^{3+} on hyperfine interactions, magnetic and optical properties of Sr-hexaferrites. <i>Ceramics International</i> , 2018, 44, 15995-16004. | 2.3 | 77 |
| 46 | Sonochemical synthesis of Eu^{3+} substituted CoFe_2O_4 nanoparticles and their structural, optical and magnetic properties. <i>Ultrasonics Sonochemistry</i> , 2019, 58, 104621. | 3.8 | 77 |
| 47 | Manganese/Yttrium Codoped Strontium Nanohexaferrites: Evaluation of Magnetic Susceptibility and Mossbauer Spectra. <i>Nanomaterials</i> , 2019, 9, 24. | 1.9 | 77 |
| 48 | Features of structure, magnetic state and electrodynamic performance of $\text{SrFe}_{12-x}\text{In}_x\text{O}_{19}$. <i>Scientific Reports</i> , 2021, 11, 18342. | 1.6 | 77 |
| 49 | Review on recent advances of zinc substituted cobalt ferrite nanoparticles: Synthesis characterization and diverse applications. <i>Ceramics International</i> , 2021, 47, 10512-10535. | 2.3 | 76 |
| 50 | Mössbauer Studies and Magnetic Properties of Cubic CuFe_2O_4 Nanoparticles. <i>Journal of Superconductivity and Novel Magnetism</i> , 2019, 32, 557-564. | 0.8 | 74 |
| 51 | AC susceptibility investigation of YBCO superconductor added by carbon nanotubes. <i>Journal of Alloys and Compounds</i> , 2020, 812, 152150. | 2.8 | 74 |
| 52 | Role of WO_3 nanoparticles in electrical and dielectric properties of $\text{BaTiO}_3\text{SrTiO}_3$ ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 7786-7797. | 1.1 | 74 |
| 53 | Excess Conductivity Study in Nano- CoFe_2O_4 -Added $\text{YBa}_2\text{Cu}_3\text{O}_{7-d}$ and $\text{Y}_3\text{Ba}_5\text{Cu}_8\text{O}_{18+x}$ Superconductors. <i>Journal of Superconductivity and Novel Magnetism</i> , 2015, 28, 3001-3010. | 0.8 | 73 |
| 54 | Superconducting properties of polycrystalline $\text{YBa}_2\text{Cu}_3\text{O}_{7-d}$ prepared by sintering of ball-milled precursor powder. <i>Ceramics International</i> , 2014, 40, 1461-1470. | 2.3 | 72 |

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|----|--|-----|-----------|
| 55 | Microstructural, Optical, and Magnetic Properties of Vanadium-Substituted Nickel Spinel Nanoferrites. <i>Journal of Superconductivity and Novel Magnetism</i> , 2019, 32, 1057-1065. | 0.8 | 72 |
| 56 | Morphology and magnetic traits of strontium nanohexaferrites: Effects of manganese/yttrium co-substitution. <i>Journal of Rare Earths</i> , 2019, 37, 732-740. | 2.5 | 72 |
| 57 | Improvement of flux pinning ability by tungsten oxide nanoparticles added in YBa ₂ Cu ₃ O ₇ superconductor. <i>Ceramics International</i> , 2019, 45, 6828-6835. | 2.3 | 71 |
| 58 | Enhancement on the exchange coupling behavior of SrCo _{0.02} Zr _{0.02} Fe _{11.96} O ₁₉ /MFe ₂ O ₄ (M ²⁺ = Co, Ni, Cu.) <i>Tj ETQq 0 0 0 rgBT /Ov</i> 2020, 499, 166308. | 1.0 | 71 |
| 59 | Functional Sr _{0.5} Ba _{0.5} Sm _{0.02} Fe _{11.98} O ₄ /x(Ni _{0.8} Zn _{0.2} Fe ₂ O ₄) Hard/Soft Ferrite Nanocomposites: Structure, Magnetic and Microwave Properties. <i>Nanomaterials</i> , 2020, 10, 2134. | 1.9 | 71 |
| 60 | Investigation of the impact of nano-sized wires and particles TiO ₂ on Y-123 superconductor performance. <i>Journal of Alloys and Compounds</i> , 2019, 781, 664-673. | 2.8 | 69 |
| 61 | Size effect of iron (III) oxide nanomaterials on the growth, and their uptake and translocation in common wheat (<i>Triticum aestivum</i> L.). <i>Ecotoxicology and Environmental Safety</i> , 2020, 194, 110377. | 2.9 | 66 |
| 62 | Structural, magnetic, optical properties and cation distribution of nanosized Co _{0.7} Zn _{0.3} Tm _x Fe _{2-x} O ₄ (0.0 ≤ x ≤ 0.04) spinel ferrites synthesized by ultrasonic irradiation. <i>Ultrasonics Sonochemistry</i> , 2019, 85, 104638. | 1.8 | 64 |
| 63 | Review on functional bi-component nanocomposites based on hard/soft ferrites: Structural, magnetic, electrical and microwave absorption properties. <i>Nano Structures Nano Objects</i> , 2021, 26, 100728. | 1.9 | 63 |
| 64 | Structural and Magnetic Properties of Co _{0.5} Ni _{0.5} Gd _{0.01} Fe _{1.98} O ₄ /ZnFe ₂ O ₄ Spinel Ferrite Nanocomposites: Comparative Study between Sol-Gel and Pulsed Laser Ablation in Liquid Approaches. <i>Nanomaterials</i> , 2021, 11, 2461. | 1.9 | 62 |
| 65 | Calcination effect on the magneto-optical properties of vanadium substituted NiFe ₂ O ₄ nanoferrites. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 9143-9154. | 1.1 | 58 |
| 66 | AC susceptibility and Mossbauer study of Ce ³⁺ ion substituted SrFe ₁₂ O ₁₉ nanohexaferrites. <i>Ceramics International</i> , 2018, 44, 10470-10477. | 2.3 | 56 |
| 67 | Synthesis of Mn _{0.5} Zn _{0.5} Sm _x EuxFe _{1.8-2x} O ₄ Nanoparticles via the Hydrothermal Approach Induced Anti-Cancer and Anti-Bacterial Activities. <i>Nanomaterials</i> , 2019, 9, 1635. | 1.9 | 56 |
| 68 | Nickel substituted MgFe ₂ O ₄ nanoparticles via co-precipitation method for photocatalytic applications. <i>Physica B: Condensed Matter</i> , 2021, 606, 412660. | 1.3 | 55 |
| 69 | Electrodeposited ZnIn ₂ S ₄ onto TiO ₂ thin films for semiconductor-sensitized photocatalytic and photoelectrochemical applications. <i>Applied Surface Science</i> , 2015, 351, 927-934. | 3.1 | 54 |
| 70 | Magnetic properties, anticancer and antibacterial effectiveness of sonochemically produced Ce ³⁺ /Dy ³⁺ co-activated Mn-Zn nanospinel ferrites. <i>Arabian Journal of Chemistry</i> , 2020, 13, 7403-7417. | 2.3 | 53 |
| 71 | Investigation of the effects of Tm ³⁺ on the structural, microstructural, optical, and magnetic properties of Sr hexaferrites. <i>Results in Physics</i> , 2019, 13, 102166. | 2.0 | 52 |
| 72 | Correlation between entropy state, crystal structure, magnetic and electrical properties in M-type Ba-hexaferrites. <i>Journal of the European Ceramic Society</i> , 2020, 40, 4022-4028. | 2.8 | 52 |

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|----|---|-----|-----------|
| 73 | Effect of Annealing Temperature on Magnetic and Mössbauer Properties of ZnFe ₂ O ₄ Nanoparticles by Sol-gel Approach. <i>Journal of Superconductivity and Novel Magnetism</i> , 2018, 31, 3347-3356. | 0.8 | 51 |
| 74 | Developing the magnetic, dielectric and anticandidal characteristics of SrFe ₁₂ O ₁₉ /(Mg _{0.5} Cd _{0.5} Dy _{0.03} Fe _{1.97} O ₄) _x hard/soft ferrite nanocomposites. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020, 113, 344-362. | 2.7 | 50 |
| 75 | Synthesis of Dy-Y co-substituted manganese-zinc spinel nanoferrites induced anti-bacterial and anti-cancer activities: Comparison between sonochemical and sol-gel auto-combustion methods. <i>Materials Science and Engineering C</i> , 2020, 116, 111186. | 3.8 | 50 |
| 76 | Evaluation of Cu-MgFe ₂ O ₄ spinel nanoparticles for photocatalytic and antimicrobial activities. <i>Journal of Physics and Chemistry of Solids</i> , 2021, 153, 110010. | 1.9 | 49 |
| 77 | Ca ²⁺ and Mg ²⁺ incorporated barium hexaferrites: structural and magnetic properties. <i>Journal of Sol-Gel Science and Technology</i> , 2018, 88, 628-638. | 1.1 | 48 |
| 78 | Fabrication of exchange coupled hard/soft magnetic nanocomposites: Correlation between composition, magnetic, optical and microwave properties. <i>Arabian Journal of Chemistry</i> , 2021, 14, 102992. | 2.3 | 46 |
| 79 | Structural, optical and magnetic properties of Tb ³⁺ substituted Co nanoferrites prepared via sonochemical approach. <i>Ceramics International</i> , 2019, 45, 22538-22546. | 2.3 | 45 |
| 80 | Influence of Dy ³⁺ Ions on the Microstructures and Magnetic, Electrical, and Microwave Properties of [Ni _{0.4} Cu _{0.2} Zn _{0.4}](Fe ₂ O ₄) _x (Dy _{0.00-0.04}) _{1-x} O ₄ Spinel Ferrites. <i>ACS Omega</i> , 2021, 6, 10266-10280. | 1.6 | 45 |
| 81 | The impact of Zr substituted Sr hexaferrite: Investigation on structure, optic and magnetic properties. <i>Results in Physics</i> , 2019, 13, 102244. | 2.0 | 44 |
| 82 | Uptake, translocation, and physiological effects of hematite (α-Fe ₂ O ₃) nanoparticles in barley (<i>Hordeum vulgare</i> L.). <i>Environmental Pollution</i> , 2020, 266, 115391. | 3.7 | 43 |
| 83 | Bactericidal and In Vitro Cytotoxicity of Moringa oleifera Seed Extract and Its Elemental Analysis Using Laser-Induced Breakdown Spectroscopy. <i>Pharmaceuticals</i> , 2020, 13, 193. | 1.7 | 43 |
| 84 | Synthesis, characterization, and performance assessment of new composite ceramics towards radiation shielding applications. <i>Journal of Alloys and Compounds</i> , 2022, 899, 163173. | 2.8 | 43 |
| 85 | Impact of Tm ³⁺ and Tb ³⁺ Rare Earth Cations Substitution on the Structure and Magnetic Parameters of Co-Ni Nanospinel Ferrite. <i>Nanomaterials</i> , 2020, 10, 2384. | 1.9 | 42 |
| 86 | Influence of Tm-Tb substitution on magnetic and optical properties of Ba-Sr hexaferrites prepared by ultrasonic assisted citrate sol-gel approach. <i>Materials Chemistry and Physics</i> , 2020, 253, 123324. | 2.0 | 41 |
| 87 | Effect of Nb substitution on magneto-optical properties of Co _{0.5} Mn _{0.5} Fe ₂ O ₄ nanoparticles. <i>Journal of Molecular Structure</i> , 2019, 1195, 269-279. | 1.8 | 40 |
| 88 | Impact of superparamagnetic iron oxide nanoparticles (SPIONs) and ionic iron on physiology of summer squash (<i>Cucurbita pepo</i>): A comparative study. <i>Plant Physiology and Biochemistry</i> , 2019, 139, 56-65. | 2.8 | 40 |
| 89 | Exchange-coupling behavior in SrTb _{0.01} Tm _{0.01} Fe _{11.98} O ₁₉ /(CoFe ₂ O ₄) _x hard/soft nanocomposites. <i>New Journal of Chemistry</i> , 2020, 44, 5800-5808. | 1.0 | 40 |
| 90 | Impact of Sm ³⁺ and Er ³⁺ Cations on the Structural, Optical, and Magnetic Traits of Spinel Cobalt Ferrite Nanoparticles: Comparison Investigation. <i>ACS Omega</i> , 2022, 7, 6292-6301. | 1.6 | 40 |

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|-----|---|-----|-----------|
| 91 | Enhanced critical current density and flux pinning traits with Dy ₂ O ₃ nanoparticles added to YBa ₂ Cu ₃ O _{7-d} superconductor. <i>Journal of Alloys and Compounds</i> , 2021, 852, 157019. | 2.8 | 39 |
| 92 | (BaTiO ₃) _{1-x} + (Co _{0.5} Ni _{0.5} Nb _{0.06} Fe _{1.94} O ₄) _x nanocomposites: Structure, morphology, magnetic and dielectric properties. <i>Journal of the American Ceramic Society</i> , 2021, 104, 5648-5658. | 1.9 | 39 |
| 93 | Biosynthesis effect of Moringa oleifera leaf extract on structural and magnetic properties of Zn doped Ca-Mg nano-spinel ferrites. <i>Arabian Journal of Chemistry</i> , 2021, 14, 103261. | 2.3 | 39 |
| 94 | Comparative study of nano-sized particles CoFe ₂ O ₄ effects on superconducting properties of Y-123 and Y-358. <i>Physica B: Condensed Matter</i> , 2014, 450, 7-15. | 1.3 | 38 |
| 95 | Comparative investigation of the ball milling role against hand grinding on microstructure, transport and pinning properties of Y ₃ Ba ₅ Cu ₈ O _{18±1} and YBa ₂ Cu ₃ O ₇₋₁ . <i>Ceramics International</i> , 2018, 44, 19950-19957. | 2.3 | 37 |
| 96 | Excess conductivity and AC susceptibility studies of Y-123 superconductor added with TiO ₂ nano-wires. <i>Materials Chemistry and Physics</i> , 2019, 235, 121721. | 2.0 | 37 |
| 97 | Sonochemical synthesis of Dy ³⁺ substituted Mn _{0.5} Zn _{0.5} Fe ₂ xO ₄ nanoparticles: Structural, magnetic and optical characterizations. <i>Ultrasonics Sonochemistry</i> , 2020, 61, 104836. | 3.8 | 37 |
| 98 | Enhancement of ZnO Nanorods Properties Using Modified Chemical Bath Deposition Method: Effect of Precursor Concentration. <i>Crystals</i> , 2020, 10, 386. | 1.0 | 37 |
| 99 | Investigation of exchange coupling and microwave properties of hard/soft (SrNi _{0.02} Zr _{0.01} Fe _{11.96} O ₁₉)/(CoFe ₂ O ₄) _x nanocomposites. <i>Materials Today Nano</i> , 2022, 18, 100186. | 2.3 | 37 |
| 100 | Impact of planetary ball milling parameters on the microstructure and pinning properties of polycrystalline superconductor Y ₃ Ba ₅ Cu ₈ O _y . <i>Cryogenics</i> , 2018, 92, 5-12. | 0.9 | 36 |
| 101 | Effect of Nb ³⁺ ion substitution on the magnetic properties of SrFe ₁₂ O ₁₉ hexaferrites. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 11181-11192. | 1.1 | 36 |
| 102 | Structure, optical properties, and ionizing radiation shielding performance using Monte Carlo simulation for lead-free BTO perovskite ceramics doped with ZnO, SiO ₂ , and WO ₃ oxides. <i>Materials Science in Semiconductor Processing</i> , 2022, 145, 106629. | 1.9 | 36 |
| 103 | Microstructure, magnetic and optical properties of Nb ³⁺ and Y ³⁺ ions co-substituted Sr hexaferrites. <i>Ceramics International</i> , 2020, 46, 4610-4618. | 2.3 | 35 |
| 104 | A study on the spectral, microstructural, and magnetic properties of Eu ²⁺ -Nd double-substituted Ba _{0.5} Sr _{0.5} Fe ₁₂ O ₁₉ hexaferrites synthesized by an ultrasonic-assisted approach. <i>Ultrasonics Sonochemistry</i> , 2020, 62, 104847. | 3.8 | 35 |
| 105 | Electronic, magnetic, and microwave properties of hard/soft nanocomposites based on hexaferrite SrNi _{0.02} Zr _{0.02} Fe _{11.96} O ₁₉ with variable spinel phase MFe ₂ O ₄ (M = Mn, Co, Cu, and Zn). <i>Ceramics International</i> , 2021, 47, 35209-35223. | 2.3 | 35 |
| 106 | Effects of Ce ²⁺ -Dy rare earths co-doping on various features of Ni ²⁺ -Co spinel ferrite microspheres prepared via hydrothermal approach. <i>Journal of Materials Research and Technology</i> , 2021, 14, 2534-2553. | 2.6 | 35 |
| 107 | AC susceptibility study of Cu substituted BaFe ₁₂ O ₁₉ nanohexaferrites. <i>Ceramics International</i> , 2018, 44, 13097-13105. | 2.3 | 34 |
| 108 | AC susceptibility and hyperfine interactions of vanadium substituted barium nanohexaferrites. <i>Ceramics International</i> , 2018, 44, 17749-17758. | 2.3 | 34 |

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|-----|---|-----|-----------|
| 109 | Magneto-resistivity and magnetization investigations of YBCO superconductor added by nano-wires and nano-particles of titanium oxide. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 8805-8813. | 1.1 | 34 |
| 110 | Correlation between chemical composition, electrical, magnetic and microwave properties in Dy-substituted Ni-Cu-Zn ferrites. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021, 270, 115202. | 1.7 | 34 |
| 111 | Magneto-conductivity fluctuation in YBCO prepared by sintering of ball-milled precursor powder. <i>Materials Chemistry and Physics</i> , 2015, 159, 185-193. | 2.0 | 33 |
| 112 | Synthesis and characterization of Co _{1-x} Ni _x Mn _{1-y} Ce _{1-z} Fe ₂ O ₄ nanoparticles. <i>Journal of Rare Earths</i> , 2020, 38, 188-194. | 2.5 | 33 |
| 113 | Effect of Nd-Y co-substitution on structural, magnetic, optical and microwave properties of NiCuZn nanospinel ferrites. <i>Journal of Materials Research and Technology</i> , 2020, 9, 11278-11290. | 2.6 | 33 |
| 114 | Synthesis and biological characterization of Mn _{0.5} Zn _{0.5} Eu _x Dy _{1.8-2x} Fe _{1.8-2x} O ₄ nanoparticles by sonochemical approach. <i>Materials Science and Engineering C</i> , 2020, 109, 110534. | 3.8 | 31 |
| 115 | Investigation of hard/soft CoFe ₂ O ₄ / NiSc ₀ / Sc _{0.3} Fe ₁ / Sc _{0.97} O ₄ . <i>International Journal of Energy Research</i> , 2021, 45, 16691-16708. | 2.2 | 31 |
| 116 | Influence of CuS membrane annealing time on the sensitivity of EGFET pH sensor. <i>Materials Science in Semiconductor Processing</i> , 2017, 71, 217-225. | 1.9 | 30 |
| 117 | Impact of calcium and magnesium substituted strontium nano-hexaferrite on mineral uptake, magnetic character, and physiology of barley (<i>Hordeum vulgare</i> L.). <i>Ecotoxicology and Environmental Safety</i> , 2019, 186, 109751. | 2.9 | 30 |
| 118 | Exchange-coupling effect in hard/soft SrTb _{0.01} Tm _{0.01} Fe _{1.98} O ₁₉ /AFe ₂ O ₄ (where A = Co, Ni, Zn, Cu and) Tj ETQq0.00 rgBTj/Overlock | 2.3 | 30 |
| 119 | Comparative study of electrical transport and magnetic measurements of Y ₃ Ba ₅ Cu ₈ O ₁₈ ± δ and YBa ₂ Cu ₃ O ₇ ± δ compounds: intragranular and intergranular superconducting properties. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1. | 1.1 | 29 |
| 120 | Electrical properties of La ³⁺ and Y ³⁺ ions substituted Ni _{0.3} Cu _{0.3} Zn _{0.4} Fe ₂ O ₄ nanospinel ferrites. <i>Results in Physics</i> , 2019, 15, 102755. | 2.0 | 29 |
| 121 | Impact of Dy ₂ O ₃ nanoparticles additions on the properties of porous YBCO ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 17572-17582. | 1.1 | 29 |
| 122 | Nd ³⁺ Ion-Substituted Co _{1-x} Ni _x Mn _x Fe _{2-y} Nd _y O ₄ Nanoparticles: Structural, Morphological, and Magnetic Investigations. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2019, 29, 783-791. | 1.9 | 29 |
| 123 | Ultrasonic synthesis, magnetic and optical characterization of Tm ³⁺ and Tb ³⁺ ions co-doped barium nanohexaferrites. <i>Journal of Solid State Chemistry</i> , 2020, 286, 121310. | 1.4 | 29 |
| 124 | Fabrication and Characterization of High-Quality UV Photodetectors Based ZnO Nanorods Using Traditional and Modified Chemical Bath Deposition Methods. <i>Nanomaterials</i> , 2021, 11, 677. | 1.9 | 29 |
| 125 | Influences of substrate type on the pH sensitivity of CuS thin films EGFET prepared by spray pyrolysis deposition. <i>Materials Science in Semiconductor Processing</i> , 2017, 63, 269-278. | 1.9 | 28 |
| 126 | Tailored microstructures, optical and magnetic qualities of strontium hexaferrites: Consequence of Tm ³⁺ and Tb ³⁺ ions Co-substitution. <i>Ceramics International</i> , 2019, 45, 21385-21394. | 2.3 | 28 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 127 | Engineered magnetic nanoparticles enhance chlorophyll content and growth of barley through the induction of photosystem genes. <i>Environmental Science and Pollution Research</i> , 2020, 27, 34311-34321. | 2.7 | 28 |
| 128 | Sol-gel Synthesis of Dy-Substituted $Ni_{0.4}Cu_{0.2}Zn_{0.4}(Fe_{2-x}Dy_x)O_4$ Nano Spinel Ferrites and Evaluation of Their Antibacterial, Antifungal, Antibiofilm and Anticancer Potentialities for Biomedical Application. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 5633-5650. | 3.3 | 28 |
| 129 | Electrical and dielectric properties of rare earth substituted hard-soft ferrite $(Co_{0.5}Ni_{0.5}Ga_{0.01}Gd_{0.01}Fe_{1.98}O_4)_x/(ZnFe_2O_4)_y$ nanocomposites. <i>Journal of Materials Research and Technology</i> , 2021, 15, 969-983. | 2.6 | 28 |
| 130 | Areca catechu extracted natural new sensitizer for dye-sensitized solar cell: performance evaluation. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 3564-3575. | 1.1 | 28 |
| 131 | Dissipation mechanisms in polycrystalline YBCO prepared by sintering of ball-milled precursor powder. <i>Physica B: Condensed Matter</i> , 2013, 430, 52-57. | 1.3 | 27 |
| 132 | Fluctuation induced conductivity studies in $YBa_2Cu_3O_y$ compound embedded by superconducting nano-particles Y-deficient $YBa_2Cu_3O_y$: effect of silver inclusion. <i>Indian Journal of Physics</i> , 2016, 90, 1009-1018. | 0.9 | 27 |
| 133 | Structural, optical and thermal properties of the Ce doped YAG synthesized by solid state reaction method. <i>Thermochimica Acta</i> , 2017, 654, 35-39. | 1.2 | 27 |
| 134 | The Conductivity and Dielectric Properties of Neobium Substituted Sr-Hexaferrites. <i>Nanomaterials</i> , 2019, 9, 1168. | 1.9 | 27 |
| 135 | Flux pinning properties of YBCO added by WO_3 nanoparticles. <i>Journal of Alloys and Compounds</i> , 2019, 810, 151884. | 2.8 | 27 |
| 136 | Electrical and dielectric properties of Nb^{3+} ions substituted Ba-hexaferrites. <i>Results in Physics</i> , 2019, 14, 102468. | 2.0 | 27 |
| 137 | Investigation on the structural, optical, and magnetic features of Dy^{3+} and Y^{3+} co-doped $Mn_{0.5}Zn_{0.5}Fe_2O_4$ spinel ferrite nanoparticles. <i>Journal of Molecular Structure</i> , 2022, 1248, 131412. | 1.8 | 27 |
| 138 | The study on SiO_2 nanoparticles and nanowires added YBCuO: Microstructure and normal state electrical properties. <i>Physica C: Superconductivity and Its Applications</i> , 2014, 498, 38-44. | 0.6 | 26 |
| 139 | Customized magnetic properties of $(Mn_{0.5}Zn_{0.5})[Eu_xNd_xFe_{2-2x}]O_4$ nanospinel ferrites synthesized via ultrasonic irradiation approach. <i>Results in Physics</i> , 2020, 19, 103350. | 2.0 | 26 |
| 140 | Electrical and optical properties of $Ni_{0.5}Co_{0.5-x}Cd_xNd_{0.02}Fe_{1.78}O_4$ ($x \approx 0.25$) spinel ferrite nanofibers. <i>Ceramics International</i> , 2020, 46, 24605-24614. | 2.3 | 26 |
| 141 | Synthesis of $Ni_{0.5}Co_{0.5-x}Cd_xFe_{1.78}Nd_{0.02}O_4$ ($x \approx 0.25$) nanofibers by using electrospinning technique induce anti-cancer and anti-bacterial activities. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020, 39, 1-8. | 2.0 | 26 |
| 142 | Magnetic and microstructural features of Dy^{3+} substituted $NiFe_2O_4$ nanoparticles derived by sol-gel approach. <i>Journal of Sol-Gel Science and Technology</i> , 2020, 95, 202-210. | 1.1 | 26 |
| 143 | Excess Conductivity Investigation of $Y_3Ba_5Cu_8O_{18 \pm \delta}$ Superconductors Prepared by Various Parameters of Planetary Ball Milling Technique. <i>Journal of Superconductivity and Novel Magnetism</i> , 2018, 31, 2339-2348. | 0.8 | 25 |
| 144 | Qualitative and quantitative analysis of human nails to find correlation between nutrients and vitamin D deficiency using LIBS and ICP-AES. <i>Talanta</i> , 2018, 185, 61-70. | 2.9 | 25 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 145 | Sonochemical Synthesis of CoFe _{2-x} Nd _x O ₄ Nanoparticles: Structural, Optical, and Magnetic Investigation. <i>Journal of Superconductivity and Novel Magnetism</i> , 2019, 32, 3837-3844. | 0.8 | 25 |
| 146 | AC susceptibility and hyperfine interactions of Mg-Ca ions co-substituted BaFe ₁₂ O ₁₉ nanohexaferrites. <i>Ceramics International</i> , 2019, 45, 10048-10055. | 2.3 | 25 |
| 147 | Microstructure, dielectric and microwave features of [Ni _{0.4} Cu _{0.2} Zn _{0.4}](Fe ₂ Tb _x)O ₄ (x% 0.1) nanospinel ferrites. <i>Journal of Materials Research and Technology</i> , 2020, 9, 10608-10623. | 2.6 | 25 |
| 148 | Determination of heavy metals in cancerous and healthy colon tissues using laser induced breakdown spectroscopy and its cross-validation with ICP-AES method. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 183, 113153. | 1.4 | 25 |
| 149 | Bi-based superconductors prepared with addition of CoFe ₂ O ₄ for the design of a magnetic probe. <i>Cryogenics</i> , 2018, 89, 53-57. | 0.9 | 24 |
| 150 | Effect of Annealing Time of YAG:Ce ³⁺ Phosphor on White Light Chromaticity Values. <i>Journal of Electronic Materials</i> , 2018, 47, 1638-1646. | 1.0 | 24 |
| 151 | Comparative study of sonochemically synthesized Co-Zr and Ni-Zr substituted Sr-hexaferrites: Magnetic and structural investigations. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 497, 165996. | 1.0 | 24 |
| 152 | Investigation of AC susceptibility, dielectric and electrical properties of Tb-Tm co-substituted M-type Sr hexaferrites. <i>Materials Chemistry and Physics</i> , 2021, 260, 124162. | 2.0 | 24 |
| 153 | Nutritional and toxic elemental analysis of dry fruits using laser induced breakdown spectroscopy (LIBS) and inductively coupled plasma atomic emission spectrometry (ICP-AES). <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 408-416. | 1.8 | 24 |
| 154 | Polysubstituted High-Entropy [LaNd](Cr _{0.2} Mn _{0.2} Fe _{0.2} Co _{0.2} Ni _{0.2})O ₃ Perovskites: Correlation of the Electrical and Magnetic Properties. <i>Nanomaterials</i> , 2021, 11, 1014. | 1.9 | 24 |
| 155 | Structural, fabrication and enhanced electromagnetic wave absorption properties of reduced graphene oxide (rGO)/zirconium substituted cobalt ferrite (Co _{0.5} Zr _{0.5} Fe ₂ O ₄) nanocomposites. <i>Physica B: Condensed Matter</i> , 2021, 605, 412784. | 1.3 | 23 |
| 156 | Sol-gel combustion synthesis and photocatalytic dye degradation studies of rare earth element Ce substituted Mn-Zn ferrite nanoparticles. <i>Journal of Materials Research and Technology</i> , 2022, 18, 5280-5289. | 2.6 | 23 |
| 157 | Comparison of the Microstructure and Flux Pinning Properties of Polycrystalline YBa ₂ Cu ₃ O _{7-d} Containing Zn _{0.95} Mn _{0.05} O or Al ₂ O ₃ Nanoparticles. <i>Journal of Low Temperature Physics</i> , 2018, 192, 100-116. | 0.6 | 22 |
| 158 | Effect of thulium substitution on conductivity and dielectric belongings of nanospinel cobalt ferrite. <i>Journal of Rare Earths</i> , 2020, 38, 1103-1113. | 2.5 | 22 |
| 159 | Radiation shielding properties of bi-ferroic ceramics added with CNTs. <i>Radiation Physics and Chemistry</i> , 2022, 200, 110096. | 1.4 | 22 |
| 160 | High sensitivity extended gate effect transistor based on V ₂ O ₅ nanorods. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 1364-1369. | 1.1 | 21 |
| 161 | Study of the structural and luminescent properties of Ce ³⁺ and Eu ³⁺ co-doped YAG synthesized by solid state reaction. <i>Optik</i> , 2018, 158, 152-163. | 1.4 | 20 |
| 162 | Exploration of catalytic and cytotoxicity activities of Ca _x Mg _x Ni _{1-2x} Fe ₂ O ₄ nanoparticles. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2019, 196, 111506. | 1.7 | 20 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 163 | Tb ³⁺ ion substituted Sr-hexaferrites as high quality microwave absorbers. Journal of Magnetism and Magnetic Materials, 2019, 491, 165595. | 1.0 | 19 |
| 164 | Tb ³⁺ substituted strontium hexaferrites: Structural, magnetic and optical investigation and cation distribution. Journal of Rare Earths, 2020, 38, 402-410. | 2.5 | 19 |
| 165 | Impacts of Sol-Gel Auto-Combustion and Ultrasonication Approaches on Structural, Magnetic, and Optical Properties of Sm-Tm Co-Substituted Sr _{0.5} Ba _{0.5} Fe ₁₂ O ₁₉ Nano-hexaferrites: Comparative Study. Nanomaterials, 2020, 10, 272. | 1.9 | 19 |
| 166 | Investigation on electrical and dielectric properties of hard/soft spinel ferrite nanocomposites of CoFe ₂ O ₄ /(NiSc _{0.03} Fe _{1.97} O ₄) _x . Vacuum, 2021, 194, 110628. | 1.6 | 19 |
| 167 | Green synthesis of Nd substituted Co-Ni nanospinel ferrites: a structural, magnetic, and antibacterial/anticancer investigation. Journal Physics D: Applied Physics, 2022, 55, 055002. | 1.3 | 19 |
| 168 | Electrodeposited and characterization of Ag ⁺ /Sn ²⁺ /S semiconductor thin films. Materials Science in Semiconductor Processing, 2015, 40, 267-275. | 1.9 | 18 |
| 169 | Investigation of Structural and Magnetic Properties on Mg ^{1-x} Zn ^x Fe ₂ Al _x O ₄ (0.0 ≤ x ≤ 0.8) Nanoparticles. Journal of Inorganic and Organometallic Polymers and Materials, 2018, 28, 942-953. | 1.9 | 18 |
| 170 | Dimensionality and superconducting parameters of YBa ₂ Cu ₃ O _{7-δ} /(WO ₃ NPs) _x composites deduced from excess conductivity analysis. Materials Chemistry and Physics, 2020, 243, 122665. | 2.0 | 18 |
| 171 | Anti-microbial and anti-cancer activities of Mn _{0.5} Zn _{0.5} Dy _x Fe _{2-2x} O ₄ (x ≤ 0.1) nanoparticles. Artificial Cells, Nanomedicine and Biotechnology, 2021, 49, 493-499. | 1.9 | 18 |
| 172 | Fate and impact of maghemite (γ-Fe ₂ O ₃) and magnetite (Fe ₃ O ₄) nanoparticles in barley (Hordeum vulgare) Tj ETQ ₀ 0 0 rgBT /Overlo | 2.7 | 18 |
| 173 | Ce-Y co-substituted strontium nanohexaferrites: AC susceptibility and Mossbauer studies. Ceramics International, 2018, 44, 12520-12527. | 2.3 | 17 |
| 174 | Investigation of the crystal/magnetic structure, magnetic and optical properties of SrY _x Nb _x Fe _{12-2x} O ₁₉ (x ≤ 0.05) hexaferrites. Physica Scripta, 2020, 95, 055802. | 1.2 | 17 |
| 175 | Spectral analysis of Miracle Moringa tree leaves using X-ray photoelectron, laser induced breakdown and inductively coupled plasma-optical emission spectroscopic techniques. Talanta, 2020, 217, 121062. | 2.9 | 17 |
| 176 | The multi-dimensional approach to synergistically improve the performance of inorganic thermoelectric materials: A critical review. Arabian Journal of Chemistry, 2021, 14, 103103. | 2.3 | 17 |
| 177 | Viewing the Emphasis on State-of-the-Art Magnetic Nanoparticles: Synthesis, Physical Properties, and Applications in Cancer Theranostics. Current Pharmaceutical Design, 2019, 25, 1505-1523. | 0.9 | 17 |
| 178 | Effect of the Ball-Milling Technique on the Transport Current Density of Polycrystalline Superconductor YBa ₂ Cu ₃ O _y -Pinning Mechanism. Journal of Superconductivity and Novel Magnetism, 2015, 28, 493-498. | 0.8 | 16 |
| 179 | Multilayer ZnO/Pd/ZnO Structure as Sensing Membrane for Extended-Gate Field-Effect Transistor (EGFET) with High pH Sensitivity. Journal of Electronic Materials, 2017, 46, 5901-5908. | 1.0 | 16 |
| 180 | Synthesis of niobium substituted cobalt-nickel nano-ferrite | | |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 181 | Comparative study of thermal fluctuation induced conductivity in YBa ₂ Cu ₃ O _{7-d} containing Nano-Zn _{0.95} Mn _{0.05} O and Nano-Al ₂ O ₃ particles. <i>Solid State Sciences</i> , 2020, 105, 106264. | 1.5 | 16 |
| 182 | Structure, magnetoelectric, and anticancer activities of core-shell Co _{0.8} Mn _{0.2} R _{0.02} Fe _{1.98} O ₄ @BaTiO ₃ nanocomposites (R = Ce, Eu, Tb, Tm, or Gd). <i>Ceramics International</i> , 2022, 48, 14640-14651. | 2.3 | 16 |
| 183 | A novel CuS thin film deposition method by laser-assisted spray photolysis deposition and its application to EGFET. <i>Sensors and Actuators B: Chemical</i> , 2017, 247, 197-215. | 4.0 | 15 |
| 184 | Fabrication, characterization of ZnO nanorods on the flexible substrate (Kapton tape) via chemical bath deposition for UV photodetector applications. <i>AIP Conference Proceedings</i> , 2017, , . | 0.3 | 15 |
| 185 | Structure, Mössbauer and AC susceptibility of strontium nanohexaferrites: Effect of vanadium ions doping. <i>Ceramics International</i> , 2019, 45, 11615-11624. | 2.3 | 15 |
| 186 | Investigation of Microstructural and Magnetic Properties of BaV _x Fe _{12-x} O ₁₉ Nanohexaferrites. <i>Journal of Superconductivity and Novel Magnetism</i> , 2019, 32, 1437-1445. | 0.8 | 15 |
| 187 | Preparation and characterization of high-T _c (YBa ₂ Cu ₃ O _{7-δ}) _{1-x} /(CNTs) _x superconductors with highly boosted superconducting performances. <i>Ceramics International</i> , 2021, 47, 23539-23548. | 2.3 | 15 |
| 188 | Boron-incorporated Sulfonated polysulfone/polyphosphoric acid electrolytes for supercapacitor application. <i>Soft Materials</i> , 2019, 17, 203-211. | 0.8 | 14 |
| 189 | Magnetic Behavior and Nutrient Content Analyses of Barley (<i>Hordeum vulgare</i> L.) Tissues upon CoNd _{0.2} Fe _{1.8} O ₄ Magnetic Nanoparticle Treatment. <i>Journal of Soil Science and Plant Nutrition</i> , 2020, 20, 357-366. | 1.7 | 14 |
| 190 | Sensitivity of CuS Membrane pH Sensor With and Without MOSFET. <i>Jom</i> , 2017, 69, 1134-1142. | 0.9 | 13 |
| 191 | AC susceptibility, DC magnetization and superconducting properties of tungsten oxide nanowires added YBa ₂ Cu ₃ O _y . <i>Ceramics International</i> , 2019, 45, 21864-21869. | 2.3 | 13 |
| 192 | Synthesis, characterization and magnetic investigation of Er-substituted electrospun NiFe ₂ O ₄ nanofibers. <i>Physica Scripta</i> , 2020, 95, 075801. | 1.2 | 13 |
| 193 | Quantitative elemental analysis of nutritional, hazardous and pharmacologically active elements in medicinal Rhatany root using laser induced breakdown spectroscopy. <i>Arabian Journal of Chemistry</i> , 2021, 14, 102919. | 2.3 | 13 |
| 194 | Synthesis, Characterization, Anti-Cancer Analysis of Sr _{0.5} Ba _{0.5} Dy _x Sm _x Fe _{8-2x} O ₁₉ (0.00 ≤ x ≤ 1.0) Microsphere Nanocomposites. <i>Nanomaterials</i> , 2021, 11, 700. | 1.9 | 13 |
| 195 | Development of EGFET-based ITO pH sensors using epoxy free membrane. <i>Semiconductor Science and Technology</i> , 2021, 36, 045027. | 1.0 | 13 |
| 196 | Designing of Co _{0.5} Ni _{0.5} Ga _x Fe _{2-x} O ₄ (0.0 ≤ x ≤ 1.0) Microspheres via Hydrothermal Approach and Their Selective Inhibition on the Growth of Cancerous and Fungal Cells. <i>Pharmaceutics</i> , 2021, 13, 962. | 2.0 | 13 |
| 197 | Morphological, structural, and magnetic characterizations of hard-soft ferrite nanocomposites synthesized via pulsed laser ablation in liquid. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021, 273, 115446. | 1.7 | 13 |
| 198 | Fluctuation induced magneto-conductivity of Y ₃ Ba ₅ Cu ₈ O _{18±x} and YBa ₂ Cu ₃ O _{7±d} . <i>Modern Physics Letters B</i> , 2015, 29, 1550227. | 1.0 | 12 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 199 | Energy Dissipation Mechanisms in Polycrystalline Superconductor Y3Ba5Cu8O _y . Journal of Superconductivity and Novel Magnetism, 2015, 28, 487-492. | 0.8 | 12 |
| 200 | Catalytic growth of one-dimensional single-crystalline ZnO nanostructures on glass substrate by vapor transport. Ceramics International, 2017, 43, 610-616. | 2.3 | 12 |
| 201 | Ca ²⁺ /Mg ²⁺ co-substituted strontium nanohexaferrites: magnetic investigation and Mossbauer analysis. Journal of Sol-Gel Science and Technology, 2019, 92, 239-251. | 1.1 | 12 |
| 202 | Structural, optical, and electrochemical investigations of Sb-substituted mesoporous SnO ₂ nanoparticles. Journal of Materials Science: Materials in Electronics, 2021, 32, 4132-4145. | 1.1 | 12 |
| 203 | Intergranular properties of polycrystalline YBa ₂ Cu ₃ O _{7-δ} superconductor added with nanoparticles of WO ₃ and BaTiO ₃ as artificial pinning centers. Ceramics International, 2021, 47, 34260-34268. | 2.3 | 12 |
| 204 | Determination of Nutritional and Toxic Metals in Black Tea Leaves Using Calibration Free LIBS and ICP: AES Technique. Arabian Journal for Science and Engineering, 2022, 47, 7531-7539. | 1.7 | 12 |
| 205 | Alterations in the magnetic and electrodynamic properties of hard-soft Sr _{0.5} Ba _{0.5} Eu _{0.01} Fe ₁₂ O ₁₉ /Ni _x Cu _y Zn _w Fe ₂ O ₄ nanocomposites. Journal of Materials Research and Synthesis and Characterization of Electrospun Ni | 2.6 | 12 |
| 206 | Synthesis and Characterization of Electrospun Ni _{0.5} Co _x Zn _w Fe ₂ O ₄ Nanocomposites. Journal of Materials Research and Synthesis and Characterization of Electrospun Ni _{0.5} Co _x Zn _w Fe ₂ O ₄ Nanocomposites. | 1.9 | 11 |
| 207 | Incorporation of Micro-nutrients (Nickel, Copper, Zinc, and Iron) into Plant Body Through Nanoparticles. Journal of Soil Science and Plant Nutrition, 2020, 20, 1872-1881. Comparative study of sonochemically and hydrothermally synthesized Mn | 1.7 | 11 |
| 208 | Impact of Radio Frequency Plasma Power on the Structure, Crystallinity, Dislocation Density, and the Energy Band Gap of ZnO Nanostructure. ACS Omega, 2021, 6, 31605-31614. | 1.9 | 11 |
| 209 | Impact of tin oxide on the structural features and radiation shielding response of some ABO ₃ perovskites ceramics (A=Ca, Sr, Ba; B=Ti). | 1.6 | 11 |
| 210 | Electrical and dielectric properties of Ni _{0.5} Co _{0.5} Ga _{1.8} O ₄ (x=1.0) spinel ferrite microspheres. Journal of Rare Earths, 2023, 41, 259-267. | 2.5 | 11 |
| 211 | Effect of Bi ³⁺ ions substitution on the structure, morphology, and magnetic properties of Co _{0.5} Ni _{0.5} spinel ferrite nanofibers. Materials Chemistry and Physics, 2022, 284, 126071. | 2.0 | 11 |
| 212 | Prince: An Algorithm for Generating Rule Bases Without Closure Computations. Lecture Notes in Computer Science, 2005, , 346-355. | 1.0 | 10 |
| 213 | Comparative Study of the Effect of Magnetic Nanoparticle CoFe ₂ O ₄ on Fluctuation-Induced Conductivity of Y-123 and Y-358 Superconductors. Journal of Superconductivity and Novel Magnetism, 2019, 32, 511-519. | 0.8 | 10 |
| 214 | Electrical Properties of Cerium and Yttrium Co-substituted Strontium Nanohexaferrites. Journal of Inorganic and Organometallic Polymers and Materials, 2019, 29, 402-415. | 1.9 | 10 |
| 215 | Kinetic Modeling for Photo-Assisted Penicillin G Degradation of (Mn _{0.5} Zn _{0.5})[Cd _x Fe _{2-x}]O ₄ (x=0.05) Nanospinel Ferrites. Nanomaterials, 2021, 11, 970. | 1.9 | 10 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 217 | Excess conductivity analysis in YBa ₂ Cu ₃ O _{7-δ} added with SiO ₂ nanoparticles and nanowires: Comparative study. <i>Modern Physics Letters B</i> , 2016, 30, 1650242. | 1.0 | 9 |
| 218 | Rapid Determination and Quantification of Nutritional and Poisonous Metals in Vastly Consumed Ayurvedic Herbal Medicine (Rejuvenator Shilajit) by Humans Using Three Advanced Analytical Techniques. <i>Biological Trace Element Research</i> , 2022, 200, 4199-4216. | 1.9 | 9 |
| 219 | A study on the conductivity, dielectric, and microwave properties of SrNbxYxFe _{12-2x} O ₁₉ (0.00 ≤ x ≤ 1.0). <i>Tj ETQq</i> 1.1 0.784314 rgBT 2.6 9 | 2.6 | 9 |
| 220 | An investigation on structural, optical and magnetic properties of hard-soft SrFe ₁₂ O ₁₉ /(CoEu _{0.02} Fe _{1.98} O ₄) _x nanofiber composites. <i>Journal of Alloys and Compounds</i> , 2022, 905, 164240. | 2.8 | 9 |
| 221 | Tracking of SPIONs in Barley (<i>Hordeum vulgare</i> L.) Plant Organs During its Growth. <i>Journal of Superconductivity and Novel Magnetism</i> , 2019, 32, 3285-3294. | 0.8 | 8 |
| 222 | Co-substitution of zirconium and neodymium on hyperfine interactions and AC susceptibility of SrFe ₁₂ O ₁₉ nanohexaferrites. <i>Journal of Rare Earths</i> , 2020, 38, 265-273. | 2.5 | 8 |
| 223 | AC susceptibility and FC-ZFC magnetic properties of SrTb Fe ₁₂ O ₁₉ and SrTm Fe ₁₂ O ₁₉ hexaferrites: a comparative study. <i>Journal of Rare Earths</i> , 2021, 39, 1003-1009. | 2.5 | 8 |
| 224 | Delivery, fate and physiological effect of engineered cobalt ferrite nanoparticles in barley (<i>Hordeum</i>) Tj ETQq 0 0 0 rgBT /Overlock 10 Tf 5 4.2 8 | 4.2 | 8 |
| 225 | Flux pinning mechanisms of (YBa ₂ Cu ₃ O _{y-d}) _{1-λ} ^x /(Dy ₂ O ₃) _x superconductors (x=0.1 and 0.5 Åwt%). <i>Ceramics International</i> , 2021, 47, 6675-6682. | 2.3 | 8 |
| 226 | YBCO superconductor added with one-dimensional TiO ₂ nanostructures: Frequency dependencies of AC susceptibility, FC-ZFC magnetization, and pseudo-gap studies. <i>Journal of Alloys and Compounds</i> , 2021, 883, 160887. | 2.8 | 8 |
| 227 | One-pot synthesis of hard/soft SrFe ₁₀ O ₁₉ /x(Ni _{0.8} Zn _{0.2} Fe _{1.8} Cr _{0.2} O ₄) nanocomposites: Electrical features and reflection losses. <i>Ceramics International</i> , 2022, 48, 25390-25401. | 2.3 | 8 |
| 228 | Excess conductivity investigations of WO ₃ nanowires added to YBa ₂ Cu ₃ O _{7-d} superconductor. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 3023-3034. | 1.1 | 7 |
| 229 | Multilayer ZnO/Pb/C thin film based extended gate field effect transistor for low dose gamma irradiation detection. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2021, 987, 164833. | 0.7 | 7 |
| 230 | Impact of calcination temperature on electrical and dielectric properties of SrGa _{0.02} Fe _{11.98} O ₁₉ -Zn _{0.5} Ni _{0.5} Fe ₂ O ₄ hard/soft nanocomposites. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 16589-16600. | 1.1 | 7 |
| 231 | Ultrasonic Synthesis and Biomedical Application of Mn _{0.5} Zn _{0.5} Er _x Y _x Fe _{2-2x} O ₄ Nanoparticles. <i>Biomolecules</i> , 2021, 11, 703. | 1.8 | 7 |
| 232 | Sm ²⁺ /Dy co-substituted Sr hexaferrite microspheres: An investigation on their structural, magnetic, optical, and porosity characteristics. <i>Ceramics International</i> , 2021, 47, 25131-25141. | 2.3 | 7 |
| 233 | Structural, Magnetic, and Mossbauer Parameters TM Evaluation of Sonochemically Synthesized Rare Earth Er ³⁺ and Y ³⁺ Ions-Substituted Manganese ²⁺ -Zinc Nanospinel Ferrites. <i>ACS Omega</i> , 2021, 6, 22429-22438. | 1.6 | 7 |
| 234 | Sonochemical synthesis of Mn _{0.5} Zn _{0.5} Er _x Dy _x Fe _{2-2x} O ₄ (x ≤ 0.1) spinel nanoferrites: Magnetic and textural investigation. <i>Journal of Molecular Structure</i> , 2022, 1258, 132680. | 1.8 | 7 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 235 | Optical and structural properties of curcuminoids extracted from <i>Curcuma longa</i> L. for hybrid white light diode. <i>EPJ Applied Physics</i> , 2018, 84, 10501. | 0.3 | 6 |
| 236 | Magnetic nanoparticles based nanocontainers for biomedical application. , 2020, , 229-250. | | 6 |
| 237 | A study on the electrical and dielectric properties of SrGdxFe12xO19 (x=0.00-0.05) nanosized M-type hexagonal ferrites. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 18317-18329. | 1.1 | 6 |
| 238 | Dielectric and microstructural properties of YAG:Dy3+ ceramics. <i>Journal of Rare Earths</i> , 2018, 36, 1310-1318. | 2.5 | 5 |
| 239 | Synthesis and Physical Properties of Proton Conducting Polymer Electrolytes Comprising PAM Cross-Linked Flexible Spacers. <i>Macromolecular Research</i> , 2019, 27, 713-719. | 1.0 | 5 |
| 240 | Development of laser induced breakdown spectroscopy technique to study irrigation water quality impact on nutrients and toxic elements distribution in cultivated soil. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 6876-6883. | 1.8 | 5 |
| 241 | Impact of sonication time on the structural and magnetic features of CoFe2O4/Ni0.8Cu0.1Zn0.1Fe2O4 hard-soft nanocomposites. <i>Journal of Alloys and Compounds</i> , 2022, 923, 166347. | 2.8 | 5 |
| 242 | The normal state properties of nano-sized CoFe[sub 2]O[sub 4] added Bi-based superconductors in bipolaron model. <i>AIP Conference Proceedings</i> , 2013, , . | 0.3 | 4 |
| 243 | Effect of nanowires SiO[sub 2] on superconducting properties of YBa[sub 2]Cu[sub 3]O[sub 7-δ] bulks. , 2013, , . | | 4 |
| 244 | An investigation of lithium ion conductivity of copolymers based on P(AMPS-co-PEGMA). <i>Journal of Applied Polymer Science</i> , 2019, 136, 47798. | 1.3 | 4 |
| 245 | Electrospinning synthesis of Cd-substituted Ni-Co spinel ferrite nanofibers: an investigation into their structural and magnetic features. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1. | 1.1 | 4 |
| 246 | Photovoltaic Performance of Spherical TiO2 Nanoparticles Derived from Titanium Hydroxide Ti(OH)4: Role of Annealing Varying Temperature. <i>Energies</i> , 2022, 15, 1648. | 1.6 | 4 |
| 247 | Superconducting properties of YBCO bulk co-embedded by nano-BaTiO3 and WO3 particles. <i>European Physical Journal Plus</i> , 2022, 137, 1. | 1.2 | 4 |
| 248 | Structural, morphological and magnetic properties of (Ni0.5Co0.5)[Ga Gd Fe2]O4 nanoparticles prepared via sonochemical approach. <i>Journal of Rare Earths</i> , 2023, 41, 561-571. | 2.5 | 4 |
| 249 | Ultrasound-assisted synthesis and magnetic investigations of Ni0.4Cu0.4Zn0.2GaxGdxFe2-xO4 (0.00-0.04) nanosized spinel ferrites. <i>Applied Physics A: Materials Science and Processing</i> , 2022, 128, . | 1.1 | 4 |
| 250 | Superconducting properties of nano-sized SiO2 added YBCO thick film on Ag substrate. <i>Indian Journal of Physics</i> , 2017, 91, 1149-1158. | 0.9 | 3 |
| 251 | Structural, morphological and optoelectronic properties of porous silicon combined alumina coating film deposited by PLD. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 15768-15774. | 1.1 | 3 |
| 252 | The Effect of The Wavelength of the LED used to Pump Phosphor Produced from Curcuminoids Dye Extracted from Turmeric (<i>Curcuma Longa</i> L.) to Produce White Light. <i>IOP Conference Series: Materials Science and Engineering</i> , 0, 454, 012048. | 0.3 | 3 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 253 | Optimization of Precursor Concentration for the Fabrication of V ₂ O ₅ Nanorods and their MSM Photodetector on Silicon Substrate. <i>Journal of Electronic Materials</i> , 2019, 48, 5640-5649. | 1.0 | 3 |
| 254 | Influence of charge disproportionation on microwave characteristics of Zn ²⁺ -Nd substituted Sr-hexaferrites. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 6776-6785. | 1.1 | 3 |
| 255 | Structural and Optical Properties of Nanofibers Prepared with Electrospinning by Using PMMA Integrated with Curcuminoids to Produce White LED. <i>Fibers and Polymers</i> , 2020, 21, 1733-1742. | 1.1 | 3 |
| 256 | Elemental Compositions of Earthquake-Stricken Soil from the Vicinity of the Epicenter at Eurasian and Indian Tectonic Plates Using Calibration Free Laser Induced Breakdown Spectroscopy. <i>Arabian Journal for Science and Engineering</i> , 2021, 46, 6101-6108. | 1.7 | 3 |
| 257 | Intergrain connectivity in YBa ₂ Cu ₃ O _{7-δ} superconductor added with Dy ₂ O ₃ nanoparticles: AC susceptibility investigation. <i>Current Applied Physics</i> , 2021, 27, 89-97. | 1.1 | 3 |
| 258 | Investigation of transport properties, flux pinning mechanisms and fluctuations induced conductivity of SiO ₂ nanoparticles doped YBa ₂ Cu ₃ O _{7-d} thick films on silver substrates. <i>Ceramics International</i> , 2022, 48, 10721-10732. | 2.3 | 3 |
| 259 | Using Deionized Water with Ethanol as a Solvent of CuS EGFET as pH Sensor. <i>Materials Science Forum</i> , 2017, 886, 37-41. | 0.3 | 2 |
| 260 | The effect of Yb ³⁺ ion substitution on dielectric and microstructural properties of Y ₃ Al ₅ O ₁₂ ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 609-623. | 1.1 | 2 |
| 261 | Estimation and Quantification of Toxic Metals in Hugely Consumed Chicken Livers by Advanced Diagnostic Approaches. <i>Biological Trace Element Research</i> , 2023, 201, 377-386. | 1.9 | 2 |
| 262 | ErBaCuO/PbO ceramic composites: Synthesis, physical properties, and radiation shielding performance. <i>Ceramics International</i> , 2022, 48, 24355-24362. | 2.3 | 2 |
| 263 | The enhancement of semijoin strategies in distributed query optimization. <i>Lecture Notes in Computer Science</i> , 1998, , 528-533. | 1.0 | 1 |
| 264 | The impact of Eu ³⁺ ion substitution on dielectric properties of Y _{3-x} Eu _x Al ₅ O ₁₂ (0.00 \leq x \leq 0.10) ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 2489-2500. | 1.1 | 1 |
| 265 | Effect of sulphuric acid (H ₂ SO ₄) on the growth process of two-dimensional zinc oxide (ZnO) structures prepared by chemical bath deposition. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1. | 1.1 | 1 |
| 266 | Magnetic Characterization of Nanomaterials. , 2022, , 177-238. | | 1 |
| 267 | Relation-based semantics for concurrency. <i>Information Sciences</i> , 1993, 75, 223-252. | 4.0 | 0 |
| 268 | A temporal model for fault-tolerant parallel programs. , 0, , . | | 0 |
| 269 | Distributed optimization of cyclic queries with parallel semijoins. , 0, , . | | 0 |
| 270 | Theoretical Adjustment of Necessary Conditions for Enhancing Figure of Merit of Thin Thermoelectric Layers. <i>Journal of Heat Transfer</i> , 2017, 139, . | 1.2 | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 271 | AB1177â€¦The combination of physiotherapy and biological therapy for the management of ankylosing spondylitis. , 2017, , . | | 0 |
| 272 | Temperature-dependent Raman scattering and photoluminescence in YBa2Cu3O7 doped with SiO2 and Zn0.95Mn0.05O nanoparticles: comparative study. Rare Metals, 2019, 38, 754-763. | 3.6 | 0 |
| 273 | A Transputer-based Parallel DataBase Machine. , 1994, , 203-208. | | 0 |
| 274 | Investigation of temperature dependence of Raman and photoluminescence analysis of YBa2Cu3O7 (YBCO) doped with SiO2 nanoparticles. Science of Sintering, 2018, 50, 63-76. | 0.5 | 0 |
| 275 | Study of Temperature Dependence of Photoluminescence and Raman Scattering of (Zn, Al) Substituted Magnesium Spinel Ferrite. Current Nanoscience, 2018, 14, 528-537. | 0.7 | 0 |
| 276 | Effect of Er3+ and Y3+ ions co-substitution on conductivity and dielectric features of Mn-Zn nanosized spinel ferrites. Journal of Materials Science: Materials in Electronics, 0, , 1. | 1.1 | 0 |