

Abdulahadi Baykal

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

511
papers

13,878
citations

59
h-index

81
g-index

536
ext. papers

16,827
ext. citations

4.1
avg, IF

7.21
L-index

#	Paper	IF	Citations
511	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 , 100186	9.7	6
510	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 ,	5.1	3
509	Impact of Sm and Er Cations on the Structural, Optical, and Magnetic Traits of Spinel Cobalt Ferrite Nanoparticles: Comparison Investigation.. <i>ACS Omega</i> , 2022 , 7, 6292-6301	3.9	3
508	Synthesis, characterization, and performance assessment of new composite ceramics towards radiation shielding applications. <i>Journal of Alloys and Compounds</i> , 2022 , 899, 163173	5.7	8
507	Green synthesis of Nd substituted Co-Ni nanospinel ferrites: a structural, magnetic, and antibacterial/anticancer investigation. <i>Journal Physics D: Applied Physics</i> , 2022 , 55, 055002	3	5
506	Investigation on the structural, optical, and magnetic features of Dy ³⁺ and Y ³⁺ co-doped Mn _{0.5} Zn _{0.5} Fe ₂ O ₄ spinel ferrite nanoparticles. <i>Journal of Molecular Structure</i> , 2022 , 1248, 131412	3.4	4
505	Influence of Ce ³⁺ on the Structural, Morphological, Magnetic, Photocatalytic and Antibacterial Properties of Spinel MnFe ₂ O ₄ Nanocrystallites Prepared by the Combustion Route. <i>Crystals</i> , 2022 , 12, 268	2.3	2
504	A study on the conductivity, dielectric, and microwave properties of SrNbxYxFe _{12-2x} O ₁₉ (0.00 ≤ x ≤ 0.05) nanohehexaferrites. <i>Journal of Materials Research and Technology</i> , 2022 , 17, 2975-2986	5.5	0
503	Effect of Bi ³⁺ ions substitution on the structure, morphology, and magnetic properties of Co/Ni spinel ferrite nanofibers. <i>Materials Chemistry and Physics</i> , 2022 , 284, 126071	4.4	0
502	Structural investigation of Cu doped calcium ferrite (Ca _{1-x} Cu _x Fe ₂ O ₄ ; x = 0, 0.2, 0.4, 0.6, 0.8, 1) nanomaterials prepared by co-precipitation method. <i>Journal of Materials Research and Technology</i> , 2022 , 18, 705-719	5.5	3
501	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	3.4	1
500	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	5.7	1
499	Tuning the Structure, Magnetic, and High Frequency Properties of Sc-Doped Sr _{0.5} Ba _{0.5} Sc _x Fe _{12-x} O ₁₉ /NiFe ₂ O ₄ Hard/Soft Nanocomposites. <i>Advanced Electronic Materials</i> , 2022 , 8, 2101124	6.4	12
498	Superconductivity Phenomenon: Fundamentals and Theories 2022 , 1-27		0
497	Magnetic Characterization of Nanomaterials 2022 , 177-238		
496	Synthesis of NiCoCdFeNdO (x=0.25) nanofibers by using electrospinning technique induce anti-cancer and anti-bacterial activities. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021 , 39, 3186-3193	3.6	21
495	Structural and magnetic properties of hydrothermally synthesized Bi-substituted NiCo nanosized spinel ferrites. <i>Ceramics International</i> , 2021 ,	5.1	1

494	Comparative study of sonochemically and hydrothermally synthesized Mn _{0.5} Zn _{0.5} Sm _x EuxFe ₂ O ₄ nanoparticles: Structural, optical and magnetic properties. <i>Nano Structures Nano Objects</i> , 2021 , 28, 100792	5.6	3
493	Synthesis, Characterization, Anti-Cancer Analysis of SrBaDySmFeO (0.00 ≤ x ≤ 1.0) Microsphere Nanocomposites. <i>Nanomaterials</i> , 2021 , 11,	5.4	3
492	Development of highly active, chemically stable and recyclable magnetic nanophotocatalyst based on plasmonic silver nanoparticles and photosensitive trans-3-(trans-4-imidazolyl) acrylic acid molecules. <i>Applied Organometallic Chemistry</i> , 2021 , 35, e6229	3.1	4
491	Structural, fabrication and enhanced electromagnetic wave absorption properties of reduced graphene oxide (rGO)/zirconium substituted cobalt ferrite (Co _{0.9} Zr _{0.1} Fe ₂ O ₄) nanocomposites. <i>Physica B: Condensed Matter</i> , 2021 , 605, 412784	2.8	11
490	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	5.9	19
489	Kinetic Modeling for Photo-Assisted Penicillin G Degradation of (MnZn)[CdFe]O (x = 0.05) Nanospinel Ferrites. <i>Nanomaterials</i> , 2021 , 11,	5.4	3
488	Review on recent advances of zinc substituted cobalt ferrite nanoparticles: Synthesis characterization and diverse applications. <i>Ceramics International</i> , 2021 , 47, 10512-10535	5.1	12
487	Review on Recent Advances of Synthesis, Magnetic Properties, and Water Treatment Applications of Cobalt Ferrite Nanoparticles and Nanocomposites. <i>Journal of Superconductivity and Novel Magnetism</i> , 2021 , 34, 995-1018	1.5	10
486	Influence of Dy Ions on the Microstructures and Magnetic, Electrical, and Microwave Properties of [NiCuZn](Fe Dy)O (0.00 ≤ x ≤ 0.04) Spinel Ferrites. <i>ACS Omega</i> , 2021 , 6, 10266-10280	3.9	12
485	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	5.6	16
484	Polysubstituted High-Entropy [LaNd](CrMnFeCoNi)O Perovskites: Correlation of the Electrical and Magnetic Properties. <i>Nanomaterials</i> , 2021 , 11,	5.4	10
483	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	2.1	1
482	Ultrasonic Synthesis and Biomedical Application of MnZnErYFeO Nanoparticles. <i>Biomolecules</i> , 2021 , 11,	5.9	4
481	Investigation of hard/soft CoFe ₂ O ₄ /NiSc _{0.03} Fe _{1.97} O ₄ nanocomposite for energy storage applications. <i>International Journal of Energy Research</i> , 2021 , 45, 16691-16708	4.5	8
480	Designing of CoNi.GaFeO (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,	6.4	7
479	Evaluation of CuMgFe ₂ O ₄ spinel nanoparticles for photocatalytic and antimicrobial activities. <i>Journal of Physics and Chemistry of Solids</i> , 2021 , 153, 110010	3.9	18
478	A study on the electrical and dielectric properties of SrGdxFe ₁₂ O ₁₉ (x = 0.00 ≤ x ≤ 0.05) nanosized M-type hexagonal ferrites. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 18317-18329	2.1	2
477	SmDy co-substituted Sr hexaferrite microspheres: An investigation on their structural, magnetic, optical, and porosity characteristics. <i>Ceramics International</i> , 2021 , 47, 25131-25131	5.1	2

- 476 Anisotropy of the electrical properties of a single crystal of BaFe_{11.25}Ti_{0.75}O₁₉ M-type barium hexaferrite. *Journal of Solid State Chemistry*, **2021**, 298, 122104 3.3 2
- 475 (BaTiO₃)_{1-x} + (Co_{0.5}Ni_{0.5}Nb_{0.06}Fe_{1.94}O₄)_x nanocomposites: Structure, morphology, magnetic and dielectric properties. *Journal of the American Ceramic Society*, **2021**, 104, 5648-5658 3.8 12
- 474 Synthesis of niobium substituted cobalt-nickel nano-ferrite (CoNiNbFeO (x 0.1)) by hydrothermal approach show strong anti-colon cancer activities. *Journal of Biomolecular Structure and Dynamics*, **2021**, 39, 2257-2265 3.6 9
- 473 Exploring the influence of varying pH on structural, electro-optical, magnetic and photo-Fenton properties of mesoporous ZnFeO nanocrystals. *Environmental Pollution*, **2021**, 272, 115983 9.3 12
- 472 AC susceptibility and FC-ZFC magnetic properties of SrTbxFe₁₂O₁₉ and SrTmxFe₁₂O₁₉ hexaferrites: a comparative study. *Journal of Rare Earths*, **2021**, 39, 1003-1009 3.7 2
- 471 Impact of nickel substitution on structure, magneto-optical, electrical and acoustical properties of cobalt ferrite nanoparticles. *Journal of Alloys and Compounds*, **2021**, 857, 157517 5.7 19
- 470 Nickel substituted MgFe₂O₄ nanoparticles via co-precipitation method for photocatalytic applications. *Physica B: Condensed Matter*, **2021**, 606, 412660 2.8 18
- 469 Delivery, fate and physiological effect of engineered cobalt ferrite nanoparticles in barley (*Hordeum vulgare* L.). *Chemosphere*, **2021**, 265, 129138 8.4 1
- 468 Perovskite potential functionality in a composite structure **2021**, 181-202 1
- 467 Investigation of AC susceptibility, dielectric and electrical properties of Tb³⁺/M co-substituted M-type Sr hexaferrites. *Materials Chemistry and Physics*, **2021**, 260, 124162 4.4 12
- 466 Anti-microbial and anti-cancer activities of MnZnDyFeO₄ (x 0.1) nanoparticles. *Artificial Cells, Nanomedicine and Biotechnology*, **2021**, 49, 493-499 6.1 7
- 465 Structural, optical, and electrochemical investigations of Sb-substituted mesoporous SnO₂ nanoparticles. *Journal of Materials Science: Materials in Electronics*, **2021**, 32, 4132-4145 2.1 3
- 464 Influence of Ni substitution on opto-magnetic and electrochemical properties of CTAB-capped mesoporous SnO₂ nanoparticles. *Journal of Materials Science: Materials in Electronics*, **2021**, 32, 7630-7646 2.1 6
- 463 Correlation between chemical composition, electrical, magnetic and microwave properties in Dy-substituted Ni-Cu-Zn ferrites. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2021**, 270, 115202 3.1 7
- 462 Impact of Gd substitution on the structure, hyperfine interactions, and magnetic properties of Sr hexaferrites. *Ceramics International*, **2021**, 47, 33853-33853 5.1 5
- 461 Structural, Magnetic, and Mossbauer Parameters' Evaluation of Sonochemically Synthesized Rare Earth Er and Y Ions-Substituted Manganese-Zinc Nanospinel Ferrites. *ACS Omega*, **2021**, 6, 22429-22438 3.9 1
- 460 Sol-Gel Synthesis of Dy-Substituted NiCuZn(FeDy)O Nano Spinel Ferrites and Evaluation of Their Antibacterial, Antifungal, Antibiofilm and Anticancer Potentialities for Biomedical Application. *International Journal of Nanomedicine*, **2021**, 16, 5633-5650 7.3 5
- 459 Biosynthesis effect of Moringa oleifera leaf extract on structural and magnetic properties of Zn doped Ca-Mg nano-spinel ferrites. *Arabian Journal of Chemistry*, **2021**, 14, 103261 5.9 12

458	Fate and impact of maghemite (Fe ₂ O ₃) and magnetite (Fe ₃ O ₄) nanoparticles in barley (<i>Hordeum vulgare</i> L.). <i>Environmental Science and Pollution Research</i> , 2021 , 1	5.1	2
457	Structural and Magnetic Properties of CoNiGaGdFeO/ZnFeO Spinel Ferrite Nanocomposites: Comparative Study between Sol-Gel and Pulsed Laser Ablation in Liquid Approaches. <i>Nanomaterials</i> , 2021 , 11,	5.4	23
456	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, 35209-35209	5.1	7
455	Effects of CeDy rare earths co-doping on various features of NiCo spinel ferrite microspheres prepared via hydrothermal approach. <i>Journal of Materials Research and Technology</i> , 2021 , 14, 2534-2553	5.5	1
454	Features of structure, magnetic state and electrodynamic performance of SrFeInO. <i>Scientific Reports</i> , 2021 , 11, 18342	4.9	18
453	Electrospinning synthesis of Cd-substituted NiCo spinel ferrite nanofibers: an investigation into their structural and magnetic features. <i>Applied Physics A: Materials Science and Processing</i> , 2021 , 127, 1	2.6	0
452	Emerging trends in the delivery of nanoformulated oxytocin across Blood-Brain barrier. <i>International Journal of Pharmaceutics</i> , 2021 , 609, 121141	6.5	0
451	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. <i>Journal of Materials Research and Technology</i> , 2021 , 15, 1416-1429	5.5	2
450	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	3.1	2
449	Effect of Sr ²⁺ Ion Substituted Nickel Ferrite Nanoparticles Prepared by a Simple Microwave Combustion Method. <i>Journal of Superconductivity and Novel Magnetism</i> , 2021 , 34, 971-980	1.5	1
448	Timing and spectral analysis of 2S 1417B24 during its 2018 outburst. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 510, 1438-1449	4.3	0
447	Impact of Tm and Tb Rare Earth Cations Substitution on the Structure and Magnetic Parameters of Co-Ni Nanospinel Ferrite. <i>Nanomaterials</i> , 2020 , 10,	5.4	15
446	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	5.3	27
445	Functional SrBaSmFeO/(NiZnFeO) Hard-Soft Ferrite Nanocomposites: Structure, Magnetic and Microwave Properties. <i>Nanomaterials</i> , 2020 , 10,	5.4	26
444	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	5.9	25
443	Incorporation of Micro-nutrients (Nickel, Copper, Zinc, and Iron) into Plant Body Through Nanoparticles. <i>Journal of Soil Science and Plant Nutrition</i> , 2020 , 20, 1872-1881	3.2	5
442	SrCo _x Zr _x Fe _{12-x} O ₁₉ and SrNi _x Zr _x Fe _{12-x} O ₁₉ hexaferrites: A Comparison Study of AC Susceptibility, FC-ZFC and hyperfine interactions. <i>Chinese Journal of Physics</i> , 2020 , 66, 596-605	3.5	3
441	Influence of the dysprosium ions on structure, magnetic characteristics and origin of the reflection losses in the NiCo spinels. <i>Journal of Alloys and Compounds</i> , 2020 , 841, 155667	5.7	71

440	Structural, morphological and optical properties of multifunctional magnetic-luminescent ZnO@Fe ₃ O ₄ nanocomposite. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2020 , 124, 114293		18
439	Influence of Tm ³⁺ substitution on magnetic and optical properties of Ba _{1-x} Tm _x hexaferrites prepared by ultrasonic assisted citrate sol-gel approach. <i>Materials Chemistry and Physics</i> , 2020 , 253, 123324	4-4	21
438	Comprehensive analysis of the transient X-ray pulsar MAXI J1409-19. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 496, 1768-1783	4-3	0
437	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	5-1	15
436	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	8-3	29
435	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	3-3	14
434	Investigation of structural and physical properties of Eu ³⁺ ions substituted Ni _{0.4} Cu _{0.2} Zn _{0.4} Fe ₂ O ₄ spinel ferrite nanoparticles prepared via sonochemical approach. <i>Results in Physics</i> , 2020 , 17, 103061	3-7	40
433	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	3-6	20
432	Role of WO ₃ nanoparticles in electrical and dielectric properties of BaTiO ₃ /SrTiO ₃ ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 7786-7797	2-1	34
431	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	7	32
430	Electrical and optical properties of Ni _{0.5} Co _{0.5-x} Cd _x Nd _{0.02} Fe _{17.8} O ₄ (x = 0.25) spinel ferrite nanofibers. <i>Ceramics International</i> , 2020 , 46, 24605-24614	5-1	13
429	Impacts of Sol-Gel Auto-Combustion and Ultrasonication Approaches on Structural, Magnetic, and Optical Properties of Sm-Tm co-Substituted SrBaFeO Nano-hexaferrites: Comparative study. <i>Nanomaterials</i> , 2020 , 10,	5-4	15
428	Magnetic nanoparticles based nanocontainers for biomedical application 2020 , 229-250		4
427	Impact of Eu ³⁺ ion substitution on structural, magnetic and microwave traits of Ni _{0.5} Zn spinel ferrites. <i>Ceramics International</i> , 2020 , 46, 11124-11131	5-1	86
426	Investigation of the crystal/magnetic structure, magnetic and optical properties of Sr _{1-x} Nb _x Fe ₁₂ O ₁₉ (x = 0.05) hexaferrites. <i>Physica Scripta</i> , 2020 , 95, 055802	2-6	9
425	Magnetic and microwave properties of SrFe ₁₂ O ₁₉ /MCo _{0.04} Fe _{1.96} O ₄ (M = Cu, Ni, Mn, Co and Zn) hard/soft nanocomposites. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 5858-5870	5-5	48
424	CoFe Nanoparticles in Carbon Nanofibers as an Electrode for Ultra-Stable Supercapacitor. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020 , 30, 3608-3616	3-2	7
423	Iron oxide nanoparticles translocate in pumpkin and alter the phloem sap metabolites related to oil metabolism. <i>Scientia Horticulturae</i> , 2020 , 265, 109223	4-1	16

422	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	2.8	53
421	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	3.2	9
420	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	2.8	18
419	Sonochemical synthesis of Dy substituted MnZnFeO nanoparticles: Structural, magnetic and optical characterizations. <i>Ultrasonics Sonochemistry</i> , 2020 , 61, 104836	8.9	21
418	Dimensionality and superconducting parameters of YBa ₂ Cu ₃ O _{7-δ} /(WO ₃ NPs) _x composites deduced from excess conductivity analysis. <i>Materials Chemistry and Physics</i> , 2020 , 243, 122665	4.4	10
417	Enhancement on the exchange coupling behavior of SrCo _{0.02} Zr _{0.02} Fe _{11.96} O ₁₉ /MFe ₂ O ₄ (M = Co, Ni, Cu, Mn and Zn) as hard/soft magnetic nanocomposites. <i>Journal of Magnetism and Magnetic Materials</i> , 2020 , 499, 166308	2.8	39
416	Synthesis and biological characterization of MnZnEuDyFeO nanoparticles by sonochemical approach. <i>Materials Science and Engineering C</i> , 2020 , 109, 110534	8.3	20
415	Correlation between microstructure parameters and anti-cancer activity of the [Mn _{0.5} Zn _{0.5}](Eu _x Nd _x Fe _{2-2x})O ₄ nanoferrites produced by modified sol-gel and ultrasonic methods. <i>Ceramics International</i> , 2020 , 46, 7346-7354	5.1	91
414	A study on the spectral, microstructural, and magnetic properties of Eu-Nd double-substituted BaSrFeO hexaferrites synthesized by an ultrasonic-assisted approach. <i>Ultrasonics Sonochemistry</i> , 2020 , 62, 104847	8.9	19
413	Exchange-coupling effect in hard/soft SrTb _{0.01} Tm _{0.01} Fe _{11.98} O ₁₉ /AFe ₂ O ₄ (where A = Co, Ni, Zn, Cu and Mn) composites. <i>Ceramics International</i> , 2020 , 46, 7089-7098	5.1	22
412	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	5.5	14
411	Customized magnetic properties of (Mn _{0.5} Zn _{0.5})[Eu _x Nd _x Fe _{2-2x}]O ₄ nanospinel ferrites synthesized via ultrasonic irradiation approach. <i>Results in Physics</i> , 2020 , 19, 103350	3.7	12
410	Synthesis and characterization of electrospun Ni _{0.5} Co _{0.5} Cd _x Nd _{0.02} Fe _{1.78} O ₄ nanofibers. <i>Nano Structures Nano Objects</i> , 2020 , 24, 100542	5.6	6
409	Strong correlation between Dy ³⁺ concentration, structure, magnetic and microwave properties of the [Ni _{0.5} Co _{0.5}](Dy _x Fe _{2-x})O ₄ nanosized ferrites. <i>Journal of Industrial and Engineering Chemistry</i> , 2020 , 90, 251-259	6.3	47
408	Freestanding electrospun carbon nanofibers uniformly decorated with bimetallic alloy nanoparticles as supercapacitor electrode. <i>Journal of Energy Storage</i> , 2020 , 32, 101671	7.8	11
407	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	5.5	14
406	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	9.3	23
405	Synthesis of Electrospun TiO Nanofibers and Characterization of Their Antibacterial and Antibiofilm Potential against Gram-Positive and Gram-Negative Bacteria. <i>Antibiotics</i> , 2020 , 9,	4.9	36

404	Peculiarities of the microwave properties of hard-soft functional composites SrTbTmFeO-AFeO (A = Co, Ni, Zn, Cu, or Mn).. <i>RSC Advances</i> , 2020 , 10, 32638-32651	3.7	64
403	Bactericidal and In Vitro Cytotoxicity of Seed Extract and Its Elemental Analysis Using Laser-Induced Breakdown Spectroscopy. <i>Pharmaceuticals</i> , 2020 , 13,	5.2	16
402	AC susceptibility investigation of YBCO superconductor added by carbon nanotubes. <i>Journal of Alloys and Compounds</i> , 2020 , 812, 152150	5.7	41
401	Effect of thulium substitution on conductivity and dielectric belongings of nanospinel cobalt ferrite. <i>Journal of Rare Earths</i> , 2020 , 38, 1103-1113	3.7	9
400	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	3.7	5
399	Microstructure, magnetic and optical properties of Nb ³⁺ and Y ³⁺ ions co-substituted Sr hexaferrites. <i>Ceramics International</i> , 2020 , 46, 4610-4618	5.1	23
398	Tb ³⁺ substituted strontium hexaferrites: Structural, magnetic and optical investigation and cation distribution. <i>Journal of Rare Earths</i> , 2020 , 38, 402-410	3.7	12
397	Synthesis and characterization of Co _{1-x} Ni _x Mn _{1-x} Ce _{1-x} Fe ₂ O ₄ nanoparticles. <i>Journal of Rare Earths</i> , 2020 , 38, 188-194	3.7	19
396	Magnetic and microstructural features of Dy ³⁺ substituted NiFe ₂ O ₄ nanoparticles derived by sol-gel approach. <i>Journal of Sol-Gel Science and Technology</i> , 2020 , 95, 202-210	2.3	15
395	Synthesis, characterization and magnetic investigation of Er-substituted electrospun NiFe ₂ O ₄ nanofibers. <i>Physica Scripta</i> , 2020 , 95, 075801	2.6	10
394	Flux pinning properties of YBCO added by WO ₃ nanoparticles. <i>Journal of Alloys and Compounds</i> , 2019 , 810, 151884	5.7	19
393	Morphology and magnetic traits of strontium nanohexaferrites: Effects of manganese/yttrium co-substitution. <i>Journal of Rare Earths</i> , 2019 , 37, 732-740	3.7	48
392	Enhanced magnetic property and antibacterial biomedical activity of Ce ³⁺ doped CuFe ₂ O ₄ spinel nanoparticles synthesized by sol-gel method. <i>Journal of Magnetism and Magnetic Materials</i> , 2019 , 478, 140-147	2.8	75
391	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	3.4	23
390	Electrical and dielectric properties of Nb ³⁺ ions substituted Ba-hexaferrites. <i>Results in Physics</i> , 2019 , 14, 102468	3.7	20
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276	Magnetic and optical properties of Zn ²⁺ ion substituted barium hexaferrites. <i>Journal of Magnetism and Magnetic Materials</i> , 2017 , 430, 29-35	2.8	60
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