

# Abdulhadi Baykal

## List of Publications by Citations

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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	Synthesis of Fe <sub>3</sub> O <sub>4</sub> nanoparticles at 100°C and its magnetic characterization. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 472, 18-23	5.7	203
510	Structural and magnetic properties of Co <sub>x</sub> Zn <sub>1-x</sub> Fe <sub>2</sub> O <sub>4</sub> nanocrystals synthesized by microwave method. <i>Polyhedron</i> , <b>2009</b> , 28, 2887-2892	2.7	195
509	Cation distribution and magnetic properties of Zn doped NiFe <sub>2</sub> O <sub>4</sub> nanoparticles synthesized by PEG-assisted hydrothermal route. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 479, 49-55	5.7	183
508	Synthesis and characterization of Co <sub>x</sub> Zn <sub>1-x</sub> Fe <sub>2</sub> O <sub>4</sub> magnetic nanoparticles via a PEG-assisted route. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2009</b> , 321, 2170-2177	2.8	172
507	The Large Observatory for X-ray Timing (LOFT). <i>Experimental Astronomy</i> , <b>2012</b> , 34, 415-444	1.3	148
506	Microwave-assisted combustion synthesis of CoFe <sub>2</sub> O <sub>4</sub> with urea, and its magnetic characterization. <i>Scripta Materialia</i> , <b>2007</b> , 57, 441-444	5.6	141
505	Microwave synthesis and characterization of Zn-doped nickel ferrite nanoparticles. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 486, 325-329	5.7	138
504	CTAB-assisted hydrothermal synthesis of NiFe <sub>2</sub> O <sub>4</sub> and its magnetic characterization. <i>Journal of Alloys and Compounds</i> , <b>2008</b> , 464, 514-518	5.7	132
503	Enhanced magneto-optical and photo-catalytic properties of transition metal cobalt (Co <sup>2+</sup> ions) doped spinel MgFe <sub>2</sub> O <sub>4</sub> ferrite nanocomposites. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2018</b> , 452, 380-388	2.8	128
502	Synthesis and characterization of ZnFe <sub>2</sub> O <sub>4</sub> magnetic nanoparticles via a PEG-assisted route. <i>Journal of Alloys and Compounds</i> , <b>2008</b> , 462, 209-213	5.7	121
501	l-lysine coated iron oxide nanoparticles: Synthesis, structural and conductivity characterization. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 484, 371-376	5.7	120
500	Magnetic, dielectric and microwave properties of M <sup>2+</sup> substituted barium hexaferrites (M=Mn <sup>2+</sup> , Co <sup>2+</sup> , Cu <sup>2+</sup> , Ni <sup>2+</sup> , Zn <sup>2+</sup> ). <i>Ceramics International</i> , <b>2014</b> , 40, 8645-8657	5.1	113
499	Synthesis and magnetic characterization of Zn <sub>0.6</sub> Ni <sub>0.4</sub> Fe <sub>2</sub> O <sub>4</sub> nanoparticles via a polyethylene glycol-assisted hydrothermal route. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2009</b> , 321, 157-162	2.8	112
498	Magnetic and dielectric properties of Mn <sub>0.2</sub> Ni <sub>0.8</sub> Fe <sub>2</sub> O <sub>4</sub> nanoparticles synthesized by PEG-assisted hydrothermal method. <i>Journal of Nanoparticle Research</i> , <b>2011</b> , 13, 2235-2244	2.3	108
497	Correlation Between Composition and Electrodynamics Properties in Nanocomposites Based on Hard/Soft Ferrimagnetics with Strong Exchange Coupling. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	105
496	Synthesis and magnetic characterization of Zn <sub>0.7</sub> Ni <sub>0.3</sub> Fe <sub>2</sub> O <sub>4</sub> nanoparticles via microwave-assisted combustion route. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2010</b> , 322, 866-871	2.8	105
495	Synthesis, conductivity and dielectric characterization of salicylic acid/Fe <sub>3</sub> O <sub>4</sub> nanocomposite. <i>Materials Chemistry and Physics</i> , <b>2010</b> , 123, 184-190	4.4	102

- 494 Hydrothermal synthesis of  $\text{Co}_y\text{Zn}_y\text{Mn}_{1-2y}\text{Fe}_2\text{O}_4$  nanoferrites: Magneto-optical investigation. *Ceramics International*, **2018**, 44, 5751-5759 5.1 98
- 493 Structural, morphological, enhanced magnetic properties and antibacterial bio-medical activity of rare earth element (REE) cerium ( $\text{Ce}^{3+}$ ) doped  $\text{CoFe}_2\text{O}_4$  nanoparticles. *Journal of Magnetism and Magnetic Materials*, **2019**, 476, 157-165 2.8 98
- 492 Yafet-Kittel-type magnetic order in Zn-substituted cobalt ferrite nanoparticles with uniaxial anisotropy. *Journal of Nanoparticle Research*, **2013**, 15, 1 2.3 96
- 491 Magneto-optical and microstructural properties of spinel cubic copper ferrites with Li-Al co-substitution. *Ceramics International*, **2018**, 44, 14242-14250 5.1 95
- 490 Reflux synthesis of  $\text{Co}_3\text{O}_4$  nanoparticles and its magnetic characterization. *Journal of Magnetism and Magnetic Materials*, **2009**, 321, 2145-2149 2.8 94
- 489 Facile combustion synthesis, structural, morphological, optical and antibacterial studies of  $\text{Bi}_{1-x}\text{Al}_x\text{FeO}_3$  (0.0  $\leq$  x  $\leq$  0.15) nanoparticles. *Ceramics International*, **2018**, 44, 13247-13252 5.1 93
- 488 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. *Ceramics International*, **2020**, 46, 7346-7354 5.1 91
- 487 Impact of  $\text{Eu}^{3+}$  ion substitution on structural, magnetic and microwave traits of  $\text{Ni}_{1-x}\text{Cu}_x\text{Zn}$  spinel ferrites. *Ceramics International*, **2020**, 46, 11124-11131 5.1 86
- 486 A novel synthetic route to  $\text{Mn}_3\text{O}_4$  nanoparticles and their magnetic evaluation. *Physica B: Condensed Matter*, **2008**, 403, 3760-3764 2.8 86
- 485 Structural and magnetic properties of Ce-doped strontium hexaferrite. *Ceramics International*, **2018**, 44, 9000-9008 5.1 85
- 484 L-Histidine coated iron oxide nanoparticles: Synthesis, structural and conductivity characterization. *Journal of Alloys and Compounds*, **2010**, 505, 172-178 5.7 80
- 483 Synthesis of magnetically recyclable  $\text{MnFe}_2\text{O}_4@\text{SiO}_2@\text{Ag}$  nanocatalyst: Its high catalytic performances for azo dyes and nitro compounds reduction. *Applied Surface Science*, **2016**, 376, 16-25 6.7 78
- 482 Temperature dependent magnetic properties of  $\text{CoFe}_2\text{O}_4/\text{CTAB}$  nanocomposite synthesized by sol-gel auto-combustion technique. *Ceramics International*, **2013**, 39, 6551-6558 5.1 77
- 481 Influence of the charge ordering and quantum effects in heterovalent substituted hexaferrites on their microwave characteristics. *Journal of Alloys and Compounds*, **2019**, 788, 1193-1202 5.7 76
- 480 Enhanced magnetic property and antibacterial biomedical activity of  $\text{Ce}^{3+}$  doped  $\text{CuFe}_2\text{O}_4$  spinel nanoparticles synthesized by sol-gel method. *Journal of Magnetism and Magnetic Materials*, **2019**, 478, 140-147 2.8 75
- 479 Effect of  $\text{Cr}^{3+}$  substitution on AC susceptibility of Ba hexaferrite nanoparticles. *Journal of Magnetism and Magnetic Materials*, **2018**, 458, 204-212 2.8 72
- 478 Magneto-optical properties of rare earth metals substituted Co-Zn spinel nanoferrites. *Ceramics International*, **2019**, 45, 3449-3458 5.1 72
- 477 Influence of the dysprosium ions on structure, magnetic characteristics and origin of the reflection losses in the  $\text{NiCo}$  spinels. *Journal of Alloys and Compounds*, **2020**, 841, 155667 5.7 71

476	Synthesis, structural and conductivity characterization of alginate-Fe <sub>3</sub> O <sub>4</sub> nanocomposite. <i>Journal of Nanoparticle Research</i> , <b>2010</b> , 12, 3039-3048	2.3	71
475	Structural, optical and magnetic properties of Tm substituted cobalt spinel ferrites synthesized via sonochemical approach. <i>Ultrasonics Sonochemistry</i> , <b>2019</b> , 54, 1-10	8.9	71
474	Influence of WO <sub>3</sub> nanowires on structural, morphological and flux pinning ability of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub> superconductor. <i>Ceramics International</i> , <b>2019</b> , 45, 2621-2628	5.1	71
473	Impact of ZnO addition on structural, morphological, optical, dielectric and electrical performances of BaTiO <sub>3</sub> ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 9520-9530	2.1	67
472	Substitution effect of Cr <sup>3+</sup> on hyperfine interactions, magnetic and optical properties of Sr-hexaferrites. <i>Ceramics International</i> , <b>2018</b> , 44, 15995-16004	5.1	67
471	Rapid color degradation of organic dyes by Fe <sub>3</sub> O <sub>4</sub> @His@Ag recyclable magnetic nanocatalyst. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2015</b> , 27, 347-353	6.3	67
470	Surface spin disorder and spin-glass-like behaviour in manganese-substituted cobalt ferrite nanoparticles. <i>Journal of Nanoparticle Research</i> , <b>2012</b> , 14, 1	2.3	67
469	Covalent immobilization of invertase on PAMAM-dendrimer modified superparamagnetic iron oxide nanoparticles. <i>Journal of Nanoparticle Research</i> , <b>2010</b> , 12, 3057-3067	2.3	67
468	The effect of Nb substitution on magnetic properties of BaFe <sub>12</sub> O <sub>19</sub> nanohexaferrites. <i>Ceramics International</i> , <b>2019</b> , 45, 1691-1697	5.1	67
467	Sonochemical synthesis and physical properties of CoNiMnEuFeO nano-spinel ferrites. <i>Ultrasonics Sonochemistry</i> , <b>2019</b> , 58, 104654	8.9	66
466	Structural, morphological and magneto-optical properties of CuMoO <sub>4</sub> electrochemical nanocatalyst as supercapacitor electrode. <i>Ceramics International</i> , <b>2018</b> , 44, 20075-20083	5.1	66
465	Synthesis and characterization of CuFe <sub>2</sub> O <sub>4</sub> nanorods synthesized by polyol route. <i>Journal of Alloys and Compounds</i> , <b>2010</b> , 493, 493-498	5.7	66
464	Magnetic and structural characterization of Nb <sup>3+</sup> -substituted CoFe <sub>2</sub> O <sub>4</sub> nanoparticles. <i>Ceramics International</i> , <b>2019</b> , 45, 8222-8232	5.1	66
463	Exchange spring magnetic behavior of Sr <sub>0.3</sub> Ba <sub>0.4</sub> Pb <sub>0.3</sub> Fe <sub>12</sub> O <sub>19</sub> /(CuFe <sub>2</sub> O <sub>4</sub> ) <sub>x</sub> nanocomposites fabricated by a one-pot citrate sol-gel combustion method. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 762, 389-397	5.7	65
462	Peculiarities of the microwave properties of hard-soft functional composites SrTbTmFeO-AFeO (A = Co, Ni, Zn, Cu, or Mn). <i>RSC Advances</i> , <b>2020</b> , 10, 32638-32651	3.7	64
461	Magnetic and microwave properties of BaFe <sub>12</sub> O <sub>19</sub> substituted with magnetic, non-magnetic and dielectric ions. <i>Ceramics International</i> , <b>2015</b> , 41, 9602-9609	5.1	63
460	NiCuZnTbFeO nanospinel ferrites: Ultrasonic synthesis and physical properties. <i>Ultrasonics Sonochemistry</i> , <b>2019</b> , 59, 104757	8.9	63
459	Manganese/Yttrium Codoped Strontium Nanohexaferrites: Evaluation of Magnetic Susceptibility and Mossbauer Spectra. <i>Nanomaterials</i> , <b>2018</b> , 9,	5.4	63

458	Uptake and translocation of magnetite (FeO) nanoparticles and its impact on photosynthetic genes in barley ( <i>Hordeum vulgare</i> L.). <i>Chemosphere</i> , <b>2019</b> , 226, 110-122	8.4	62
457	Synthesis and characterization of dl-thioctic acid (DLTA)Fe <sub>3</sub> O <sub>4</sub> nanocomposite. <i>Journal of Alloys and Compounds</i> , <b>2011</b> , 509, 9218-9225	5.7	62
456	Frequency and dc bias voltage dependent dielectric properties and electrical conductivity of BaTi <sub>0.3</sub> SrTi <sub>0.3</sub> (SiO <sub>2</sub> ) <sub>x</sub> nanocomposites. <i>Ceramics International</i> , <b>2019</b> , 45, 11989-12000	5.1	60
455	Magnetic and optical properties of Zn <sup>2+</sup> ion substituted barium hexaferrites. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2017</b> , 430, 29-35	2.8	60
454	Structural, magnetic and electrochemical characterizations of Bi <sub>2</sub> Mo <sub>2</sub> O <sub>9</sub> nanoparticle for supercapacitor application. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2019</b> , 486, 165254	2.8	59
453	Green synthesis of superparamagnetic Fe <sub>3</sub> O <sub>4</sub> nanoparticles with maltose: Its magnetic investigation. <i>Polyhedron</i> , <b>2013</b> , 65, 282-287	2.7	59
452	Synthesis and characterization of l-carnosine coated iron oxide nanoparticles. <i>Journal of Alloys and Compounds</i> , <b>2011</b> , 509, 2555-2561	5.7	59
451	Sonochemical synthesis of Eu substituted CoFeO nanoparticles and their structural, optical and magnetic properties. <i>Ultrasonics Sonochemistry</i> , <b>2019</b> , 58, 104621	8.9	58
450	A novel green synthesis and characterization of Ag NPs with its ultra-rapid catalytic reduction of methyl green dye. <i>Applied Surface Science</i> , <b>2014</b> , 290, 499-503	6.7	58
449	Magneto-optical properties of Mn <sup>3+</sup> substituted Fe <sub>3</sub> O <sub>4</sub> nanoparticles. <i>Ceramics International</i> , <b>2015</b> , 41, 10915-10922	5.1	58
448	Enhanced Opto-Magneto Properties of Ni <sub>x</sub> Mg <sub>1-x</sub> Fe <sub>2</sub> O <sub>4</sub> (0.0 ≤ x ≤ 1.0) Ferrites Nano-Catalysts. <i>Journal of Nanoelectronics and Optoelectronics</i> , <b>2017</b> , 12, 1326-1333	1.3	58
447	Synthesis and characterization of Piperidine-4-carboxylic acid functionalized Fe <sub>3</sub> O <sub>4</sub> nanoparticles as a magnetic catalyst for Knoevenagel reaction. <i>Materials Research Bulletin</i> , <b>2012</b> , 47, 2480-2486	5.1	57
446	Effect of bimetallic (Ca, Mg) substitution on magneto-optical properties of NiFe <sub>2</sub> O <sub>4</sub> nanoparticles. <i>Ceramics International</i> , <b>2019</b> , 45, 6021-6029	5.1	57
445	Effect of dysprosium substitution on magnetic and structural properties of NiFe <sub>2</sub> O <sub>4</sub> nanoparticles. <i>Journal of Rare Earths</i> , <b>2019</b> , 37, 871-878	3.7	56
444	Structural, morphological and magnetic properties of hard/soft SrFe <sub>12-x</sub> V <sub>x</sub> O <sub>19</sub> /(Ni <sub>0.5</sub> Mn <sub>0.5</sub> Fe <sub>2</sub> O <sub>4</sub> ) <sub>y</sub> nanocomposites: Effect of vanadium substitution. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 767, 966-975	5.7	56
443	Impact of Nd-Zn co-substitution on microstructure and magnetic properties of SrFe <sub>12</sub> O <sub>19</sub> nanohexaferrite. <i>Ceramics International</i> , <b>2019</b> , 45, 963-969	5.1	56
442	Conductivity Study of Polyaniline-Cobalt Ferrite (PANI-CoFe <sub>2</sub> O <sub>4</sub> ) Nanocomposite. <i>Nano-Micro Letters</i> , <b>2011</b> , 3, 99-107	19.5	55
441	Structural, morphological, optical, cation distribution and Mössbauer analysis of Bi <sup>3+</sup> substituted strontium hexaferrite. <i>Ceramics International</i> , <b>2016</b> , 42, 8627-8635	5.1	55

440	Structural, magnetic, optical properties and cation distribution of nanosized NiCuZnTmFeO (0.0 $\leq$ $\leq$ 1.0) spinel ferrites synthesized by ultrasound irradiation. <i>Ultrasonics Sonochemistry</i> , <b>2019</b> , 57, 203-211	8.9	54
439	Structural investigation and hyperfine interactions of BaBi <sub>x</sub> La <sub>x</sub> Fe <sub>12-2x</sub> O <sub>19</sub> (0.0 $\leq$ $\leq$ 0.5) hexaferrites. <i>Ceramics International</i> , <b>2016</b> , 42, 3380-3387	5.1	54
438	Acid Functionalized Multiwall Carbon Nanotube/Magnetite (MWCNT)-COOH/Fe <sub>3</sub> O <sub>4</sub> Hybrid: Synthesis, Characterization and Conductivity Evaluation. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , <b>2013</b> , 23, 726-735	3.2	54
437	Investigation of structural, morphological, optical, magnetic and dielectric properties of (1-x)BaTiO <sub>3</sub> /xSr <sub>0.92</sub> Ca <sub>0.04</sub> Mg <sub>0.04</sub> Fe <sub>12</sub> O <sub>19</sub> composites. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2020</b> , 510, 166933	2.8	53
436	Fabrication and characterization of Fe <sub>3</sub> O <sub>4</sub> @APTES@PAMAM-Ag highly active and recyclable magnetic nanocatalyst: Catalytic reduction of 4-nitrophenol. <i>Materials Research Bulletin</i> , <b>2014</b> , 60, 79-87	5.1	53
435	Characterization of NiFe <sub>2</sub> O <sub>4</sub> nanoparticles synthesized by various methods. <i>Chemical Papers</i> , <b>2009</b> , 63,	1.9	53
434	Magnetic and optical properties of Cu <sub>1-x</sub> Zn <sub>x</sub> Fe <sub>2</sub> O <sub>4</sub> nanoparticles dispersed in a silica matrix by a sol-gel auto-combustion method. <i>Ceramics International</i> , <b>2015</b> , 41, 231-239	5.1	52
433	Polyvinylpyrrolidone (PVP)/MnFe <sub>2</sub> O <sub>4</sub> nanocomposite: Sol-gel autocombustion synthesis and its magnetic characterization. <i>Ceramics International</i> , <b>2013</b> , 39, 5651-5658	5.1	51
432	Magnetic metal nanoparticles coated polyacrylonitrile textiles as microwave absorber. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2013</b> , 327, 151-158	2.8	51
431	Recent X-Ray Measurements of the Accretion-powered Pulsar 4U 1907+09. <i>Astrophysical Journal</i> , <b>1998</b> , 496, 386-394	4.7	51
430	Structural, magneto-optical properties and cation distribution of SrBi <sub>x</sub> La <sub>x</sub> Y <sub>x</sub> Fe <sub>12-3x</sub> O <sub>19</sub> (0.0 $\leq$ $\leq$ 1.33) hexaferrites. <i>Materials Research Bulletin</i> , <b>2016</b> , 80, 263-272	5.1	51
429	Impact of manganese ferrite (MnFeO) nanoparticles on growth and magnetic character of barley ( <i>Hordeum vulgare</i> L.). <i>Environmental Pollution</i> , <b>2018</b> , 243, 872-881	9.3	50
428	Structural and magnetic properties of Ce-Y substituted strontium nanohexaferrites. <i>Ceramics International</i> , <b>2018</b> , 44, 12511-12519	5.1	49
427	Mössbauer Studies and Magnetic Properties of Cubic CuFe <sub>2</sub> O <sub>4</sub> Nanoparticles. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2019</b> , 32, 557-564	1.5	49
426	Structural and magnetic properties of triethylene glycol stabilized Zn <sub>x</sub> Co <sub>1-x</sub> Fe <sub>2</sub> O <sub>4</sub> nanoparticles. <i>Materials Research Bulletin</i> , <b>2012</b> , 47, 2442-2448	5.1	49
425	Microwave-induced combustion synthesis and characterization of Ni <sub>x</sub> Co <sub>1-x</sub> Fe <sub>2</sub> O <sub>4</sub> nanocrystals (x = 0.0, 0.4, 0.6, 0.8, 1.0). <i>Open Chemistry</i> , <b>2008</b> , 6, 125-130	1.6	49
424	Morphology and magnetic traits of strontium nanohexaferrites: Effects of manganese/yttrium co-substitution. <i>Journal of Rare Earths</i> , <b>2019</b> , 37, 732-740	3.7	48
423	Ce <sup>III</sup> Co-substituted nanospinel cobalt ferrites: An investigation of their structural, magnetic, optical, and apoptotic properties. <i>Ceramics International</i> , <b>2019</b> , 45, 16147-16156	5.1	48

4 <sup>22</sup>	Magnetic and microwave properties of SrFe <sub>12</sub> O <sub>19</sub> /MCo <sub>0.04</sub> Fe <sub>1.96</sub> O <sub>4</sub> (M = Cu, Ni, Mn, Co and Zn) hard/soft nanocomposites. <i>Journal of Materials Research and Technology</i> , <b>2020</b> , 9, 5858-5870	5.5	48
4 <sup>21</sup>	The Temperature Effect on Magnetic Properties of NiFe <sub>2</sub> O <sub>4</sub> Nanoparticles. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , <b>2018</b> , 28, 1587-1597	3.2	48
4 <sup>20</sup>	Polyol synthesis of (polyvinylpyrrolidone) PVP/Mn <sub>3</sub> O <sub>4</sub> nanocomposite. <i>Journal of Alloys and Compounds</i> , <b>2010</b> , 502, 199-205	5.7	48
4 <sup>19</sup>	Synthesis and magnetic properties of octahedral ferrite Ni <sub>0.1</sub> Fe <sub>2</sub> O <sub>4</sub> nanocrystals. <i>Open Chemistry</i> , <b>2007</b> , 5, 570-580	1.6	47
4 <sup>18</sup>	Strong correlation between Dy <sup>3+</sup> concentration, structure, magnetic and microwave properties of the [Ni <sub>0.5</sub> Co <sub>0.5</sub> ](Dy <sub>x</sub> Fe <sub>2-x</sub> )O <sub>4</sub> nanosized ferrites. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2020</b> , 90, 251-259	6.3	47
4 <sup>17</sup>	Improvement of flux pinning ability by tungsten oxide nanoparticles added in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub> superconductor. <i>Ceramics International</i> , <b>2019</b> , 45, 6828-6835	5.1	47
4 <sup>16</sup>	AC susceptibility and Mossbauer study of Ce <sup>3+</sup> ion substituted SrFe <sub>12</sub> O <sub>19</sub> nanohexaferrites. <i>Ceramics International</i> , <b>2018</b> , 44, 10470-10477	5.1	46
4 <sup>15</sup>	Low temperature magnetic investigation of Fe <sub>3</sub> O <sub>4</sub> nanoparticles filled into multiwalled carbon nanotubes. <i>Synthetic Metals</i> , <b>2014</b> , 187, 75-80	3.6	46
4 <sup>14</sup>	Synthesis and conductivity evaluation of PVTriFe <sub>3</sub> O <sub>4</sub> nanocomposite. <i>Journal of Non-Crystalline Solids</i> , <b>2010</b> , 356, 484-489	3.9	46
4 <sup>13</sup>	Study of tungsten oxide effect on the performance of BaTiO <sub>3</sub> ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 13509-13518	2.1	45
4 <sup>12</sup>	Synthesis and magneto-optical properties of triethylene glycol stabilized Mn <sub>1</sub> Zn Fe <sub>2</sub> O <sub>4</sub> nanoparticles. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 619, 5-11	5.7	45
4 <sup>11</sup>	Microstructural, Optical, and Magnetic Properties of Vanadium-Substituted Nickel Spinel Nanoferrites. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2019</b> , 32, 1057-1065	1.5	45
4 <sup>10</sup>	Synthesis and characterization of poly(vinyl phosphonic acid) (PVPA)/Fe <sub>3</sub> O <sub>4</sub> nanocomposite. <i>Polyhedron</i> , <b>2011</b> , 30, 419-426	2.7	45
4 <sup>09</sup>	Magnetic Attributes of NiFeO Nanoparticles: Influence of Dysprosium Ions (Dy) Substitution. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	44
4 <sup>08</sup>	Effect of zinc substitution on magneto-optical properties of Mn <sub>1-x</sub> Zn <sub>x</sub> Fe <sub>2</sub> O <sub>4</sub> /SiO <sub>2</sub> nanocomposites. <i>Ceramics International</i> , <b>2014</b> , 40, 13401-13408	5.1	44
4 <sup>07</sup>	Synthesis of MnZnSmEuFeO Nanoparticles via the Hydrothermal Approach Induced Anti-Cancer and Anti-Bacterial Activities. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	44
4 <sup>06</sup>	Amperometric hydrogen peroxide biosensor based on cobalt ferrite/χitosan nanocomposite. <i>Materials Science and Engineering C</i> , <b>2012</b> , 32, 269-275	8.3	43
4 <sup>05</sup>	Effect of temperature on magnetic properties of BaY <sub>x</sub> Fe <sub>12-x</sub> O <sub>19</sub> hexaferrites. <i>Ceramics International</i> , <b>2016</b> , 42, 16296-16302	5.1	43

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152	Magnetic and spectroscopic properties of Polyacrylamide-CoFe <sub>2</sub> O <sub>4</sub> magnetic hydrogel. <i>Journal of Molecular Structure</i> , <b>2013</b> , 1036, 386-391	3.4	9
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147	Effect of thulium substitution on conductivity and dielectric belongings of nanospinel cobalt ferrite. <i>Journal of Rare Earths</i> , <b>2020</b> , 38, 1103-1113	3.7	9
146	Synthesis of niobium substituted cobalt-nickel nano-ferrite (CoNiNbFeO (x 0.1) by hydrothermal approach show strong anti-colon cancer activities. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2021</b> , 39, 2257-2265	3.6	9
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133	Synthesis, characterization, and performance assessment of new composite ceramics towards radiation shielding applications. <i>Journal of Alloys and Compounds</i> , <b>2022</b> , 899, 163173	5.7	8
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125	The Ionic Liquid Based Synthesis of Polyaniline/MnFe <sub>2</sub> O <sub>4</sub> /TAB Nanocomposite: Electrical Properties. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , <b>2013</b> , 23, 1335-1340	3.2	7
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120	X-ray outburst of 4U 0115+634 and ROTSE observations of its optical counterpart V635 Cas. <i>Astronomy and Astrophysics</i> , <b>2005</b> , 439, 1131-1134	5.1	7
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71	Development of Novel Nano-ZnO Enhanced Polymeric Membranes for Water Purification. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , <b>2019</b> , 29, 979-988	3.2	4
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53	Structural, optical, and electrochemical investigations of Sb-substituted mesoporous $\text{SnO}_2$ nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2021</b> , 32, 4132-4145	2-1	3
52	SPION@APTES@FA-PEG@Usnic Acid Bionanodrug for Cancer Therapy. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2018</b> , 31, 1395-1401	1-5	3
51	Structural investigation of Cu doped calcium ferrite ( $\text{Ca}_{1-x}\text{Cu}_x\text{Fe}_2\text{O}_4$ ; $x = 0, 0.2, 0.4, 0.6, 0.8, 1$ ) nanomaterials prepared by co-precipitation method. <i>Journal of Materials Research and Technology</i> , <b>2022</b> , 18, 705-719	5-5	3
50	Electrical and Dielectric Characterization of Bi <sup>3+</sup> Ion-Substituted Barium Hexaferrites. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2017</b> , 30, 1499-1514	1-5	2
49	Influence of charge disproportionation on microwave characteristics of Zn <sup>2+</sup> substituted Sr-hexaferrites. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 6776-6785	2-1	2
48	The Effect of Folic Acid- and Caffeic Acid-Functionalized SPION on Different Cancer Cell Lines. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2018</b> , 31, 3579-3588	1-5	2
47	RXTE and Swift Observations of SWIFT J0513.48547. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 456, 845-852	4-3	2
46	Grafted/ungrafted iron oxide and alginate-chitosan-polyvinylimidazole nanocomposites: Synthesis and electrical properties. <i>Materials Research Bulletin</i> , <b>2013</b> , 48, 3973-3980	5-1	2
45	Magnetic Properties of $\text{FeMn}_y\text{Co}_y\text{Fe}_{2-y}\text{O}_4@\text{Oleylamine}$ Nanocomposite with Cation Distribution. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , <b>2017</b> , 27, 1740-1749	3-2	2

44	Spin down and oscillations in 4U 1907+09: a retrograde disk?. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , <b>1999</b> , 69, 224-227		2
43			2
42	A study on the electrical and dielectric properties of SrGdxFe12-xO19 (x = 0.00-0.05) nanosized M-type hexagonal ferrites. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2021</b> , 32, 18317-18329	2.1	2
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40	Anisotropy of the electrical properties of a single crystal of BaFe11.25Ti0.75O19 M-type barium hexaferrite. <i>Journal of Solid State Chemistry</i> , <b>2021</b> , 298, 122104	3.3	2
39	The Effect of Cr3+ Substitution on Magnetic Properties of CoFe2O4 Nanoparticles Synthesized by Microwave Combustion Route. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2016</b> , 29, 2395-2400	1.5	2
38	Oleylamine surface functionalized FeCoyFe2-yO4 (0.0 ≤ y ≤ 1.0) nanoparticles. <i>Arabian Journal of Chemistry</i> , <b>2019</b> , 12, 4971-4981	5.9	2
37	AC susceptibility and FC-ZFC magnetic properties of SrTbxFe12-xO19 and SrTmxFe12-xO19 hexaferrites: a comparative study. <i>Journal of Rare Earths</i> , <b>2021</b> , 39, 1003-1009	3.7	2
36	Synthesis and Characterization of CuMn Substituted SrFe12O19 Hexaferrites. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , <b>2018</b> , 28, 212-222	3.2	2
35	Fate and impact of maghemite (γ-Fe2O3) and magnetite (Fe3O4) nanoparticles in barley ( <i>Hordeum vulgare</i> L.). <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 1	5.1	2
34	Alterations in the magnetic and electrodynamic properties of hard-soft Sr0.5Ba0.5Eu0.01Fe12O19/NixCuyZnwFe2O4 nanocomposites. <i>Journal of Materials Research and Technology</i> , <b>2021</b> , 15, 1416-1429	5.5	2
33	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> , <b>2021</b> , 273, 115446	3.1	2
32	Adrenalin tolerance does not prevent bacterial translocation in a murine burn model. <i>International Surgery</i> , <b>2000</b> , 85, 18-22	0.1	2
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29	Size Controlled Synthesis of CoFe2O4 Nanoparticles with Polyethylene Glycol. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2014</b> , 27, 1309-1313	1.5	1
28	RXTE and Swift observations of SWIFT J1729.9-437. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2013</b> , 434, 2772-2778	4.3	1
27	Optical observations of the Be/X-ray transient system KS 1947+300. <i>Astronomische Nachrichten</i> , <b>2007</b> , 328, 142-145	0.7	1

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25	Ozone concentrations at a rural mountain site of Northwestern Turkey. <i>Water, Air, and Soil Pollution</i> , <b>1996</b> , 91, 219-232	2.6	1
24	Structural and magnetic properties of hydrothermally synthesized Bi-substituted Ni <sub>0.5</sub> Co nanosized spinel ferrites. <i>Ceramics International</i> , <b>2021</b> ,	5.1	1
23	The Effect of Condensation on the Morphology and Magnetic Properties of Modified Barium Hexaferrite (BaFe <sub>12</sub> O <sub>19</sub> ) <b>2011</b> , 3, 108		1
22	Impact of calcination temperature on electrical and dielectric properties of SrGa <sub>0.02</sub> Fe <sub>11.98</sub> O <sub>19</sub> -Zn <sub>0.5</sub> Ni <sub>0.5</sub> Fe <sub>2</sub> O <sub>4</sub> hard/soft nanocomposites. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2021</b> , 32, 16589-16600	2.1	1
21	The effect of Yb <sup>3+</sup> ion substitution on dielectric and microstructural properties of Y <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 609-623	2.1	1
20	The impact of Eu <sup>3+</sup> ion substitution on dielectric properties of Y <sub>3-x</sub> Eu <sub>x</sub> Al <sub>5</sub> O <sub>12</sub> (0.00 ≤ x ≤ 0.10) ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 2489-2500	2.1	1
19	Delivery, fate and physiological effect of engineered cobalt ferrite nanoparticles in barley ( <i>Hordeum vulgare</i> L.). <i>Chemosphere</i> , <b>2021</b> , 265, 129138	8.4	1
18	Perovskite's potential functionality in a composite structure <b>2021</b> , 181-202		1
17	Structural, Magnetic, and Mossbauer Parameters' Evaluation of Sonochemically Synthesized Rare Earth Er and Y Ions-Substituted Manganese-Zinc Nanospinel Ferrites. <i>ACS Omega</i> , <b>2021</b> , 6, 22429-22438	3.9	1
16	Effects of Ce/Dy rare earths co-doping on various features of Ni <sub>0.5</sub> Co spinel ferrite microspheres prepared via hydrothermal approach. <i>Journal of Materials Research and Technology</i> , <b>2021</b> , 14, 2534-2553	5.5	1
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14	Sonochemical synthesis of Mn <sub>0.5</sub> Zn <sub>0.5</sub> Er <sub>x</sub> Dy <sub>x</sub> Fe <sub>2-2x</sub> O <sub>4</sub> (x=0.1) spinel nanoferrites: Magnetic and textural investigation. <i>Journal of Molecular Structure</i> , <b>2022</b> , 1258, 132680	3.4	1
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9	A study on the conductivity, dielectric, and microwave properties of SrNbxYxFe <sub>12-2x</sub> O <sub>19</sub> (0.00 ≤ x ≤ 0.05) nanohexaferrites. <i>Journal of Materials Research and Technology</i> , <b>2022</b> , 17, 2975-2986	5.5	0

8	Effect of Bi <sup>3+</sup> ions substitution on the structure, morphology, and magnetic properties of Co <sup>2+</sup> spinel ferrite nanofibers. <i>Materials Chemistry and Physics</i> , <b>2022</b> , 284, 126071	4.4	○
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