Yassine Slimani

List of Publications by Year
in descending order

275	11,311	14614	54797
papers	citations	66 h-index	84 g-index

281	281	281	3691
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Correlation Between Composition and Electrodynamics Properties in Nanocomposites Based on Hard/Soft Ferrimagnetics with Strong Exchange Coupling. Nanomaterials, 2019, 9, 202.	1.9	213
2	Structural and magnetic properties of Ce-doped strontium hexaferrite. Ceramics International, 2018, 44, 9000-9008.	2.3	151
3	Magneto-optical and microstructural properties of spinel cubic copper ferrites with Li-Al co-substitution. Ceramics International, 2018, 44, 14242-14250.	2.3	138
4	Defective/graphitic synergy in a heteroatom-interlinked-triggered metal-free electrocatalyst for high-performance rechargeable zincâ€“air batteries. Journal of Materials Chemistry A, 2021, 9, 18222-18230.	5.2	135
5	A novel strategy for the synthesis of hard carbon spheres encapsulated with graphene networks as a low-cost and large-scalable anode material for fast sodium storage with an ultralong cycle life. Inorganic Chemistry Frontiers, 2020, 7, 402-410.	3.0	128
6	Correlation between microstructure parameters and anti-cancer activity of the [Mn0.5Zn0.5](EuxNdxFe2-2x)O4 nanoferrites produced by modified sol-gel and ultrasonic methods. Ceramics International, 2020, 46, 7346-7354.	2.3	128
7	Impact of Eu3+ ion substitution on structural, magnetic and microwave traits of Niâ€“Cuâ€“Zn spinel ferrites. Ceramics International, 2020, 46, 11124-11131.	2.3	126
8	Enhanced magnetic property and antibacterial biomedical activity of Ce3+ doped CuFe2O4 spinel nanoparticles synthesized by sol-gel method. Journal of Magnetism and Magnetic Materials, 2019, 478, 140-147.	1.0	124
9	Uptake and translocation of magnetite (Fe3O4) nanoparticles and its impact on photosynthetic genes in barley (Hordeum vulgare L.). Chemosphere, 2019, 226, 110-122.	4.2	117
10	Magneto-optical properties of rare earth metals substituted Co-Zn spinel nanoferrites. Ceramics International, 2019, 45, 3449-3458.	2.3	111
11	Influence of the dysprosium ions on structure, magnetic characteristics and origin of the reflection losses in the Niâ€“Co spinels. Journal of Alloys and Compounds, 2020, 841, 155667.	2.8	109
12	Structural, optical and magnetic properties of Tm3+ substituted cobalt spinel ferrites synthesized via sonochemical approach. Ultrasonics Sonochemistry, 2019, 54, 1-10.	3.8	108
13	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.	2.8	105
14	Strong correlation between Dy3+ concentration, structure, magnetic and microwave properties of the [Ni0.5Co0.5](DyxFe2-x)O4 nanosized ferrites. Journal of Industrial and Engineering Chemistry, 2020, 90, 251-259.	2.9	103
15	Magnetic and microwave properties of SrFe12O19/MCe0.04Fe1.96O4 (M = Cu, Ni, Mn, Co and Zn) hard/soft nanocomposites. Journal of Materials Research and Technology, 2020, 9, 5858-5870.	2.6	102
16	Sonochemical synthesis and physical properties of Co0.3Ni0.5Mn0.2EuxFe2â^'xO4 nano-spinel ferrites. Ultrasonics Sonochemistry, 2019, 58, 104654.	3.8	99
17	Investigation of structural and physical properties of Eu3+ ions substituted Ni0.4Cu0.2Zn0.4Fe2O4 spinel ferrite nanoparticles prepared via sonochemical approach. Results in Physics, 2020, 17, 103061.	2.0	99
18	Magnetic and structural characterization of Nb3+-substituted CoFe2O4 nanoparticles. Ceramics International, 2019, 45, 8222-8232.	2.3	98

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19	Impact of ZnO addition on structural, morphological, optical, dielectric and electrical performances of BaTiO3 ceramics. Journal of Materials Science: Materials in Electronics, 2019, 30, 9520-9530.	1.1	97
20	Structural and radiation shielding properties of BaTiO3 ceramic with different concentrations of Bismuth and Ytterbium. Ceramics International, 2020, 46, 28877-28886.	2.3	96
21	Structural, morphological and magneto-optical properties of CuMoO4 electrochemical nanocatalyst as supercapacitor electrode. Ceramics International, 2018, 44, 20075-20083.	2.3	95
22	Magnetic Attributes of NiFe2O4 Nanoparticles: Influence of Dysprosium Ions (Dy3+) Substitution. Nanomaterials, 2019, 9, 820.	1.9	95
23	Impact of In3+ cations on structure and electromagnetic state of Mâ˜type hexaferrites. Journal of Energy Chemistry, 2022, 69, 667-676.	7.1	95
24	Highly active sites of Pt/Er dispersed N-doped hierarchical porous carbon for trifunctional electrocatalyst. Chemical Engineering Journal, 2021, 409, 128205.	6.6	94
25	Effect of dysprosium substitution on magnetic and structural properties of NiFe2O4 nanoparticles. Journal of Rare Earths, 2019, 37, 871-878.	2.5	93
26	Peculiarities of the microwave properties of hardâ€“soft functional composites SrTb_{0.01}Tm_{0.01}Fe_{11.98}O₁₉â€“AFe₂O₄ (A = Co, Ni, Zn, Cu, or Mn). RSC Advances, 2020, 10, 32638-32651.	3.7	92
27	Revealing the erosion-corrosion performance of sphere-shaped morphology of nickel matrix nanocomposite strengthened with reduced graphene oxide nanoplatelets. Diamond and Related Materials, 2020, 104, 107763.	1.8	91
28	Exchange spring magnetic behavior of Sr0.3Ba0.4Pb0.3Fe12O19/(CuFe2O4)x nanocomposites fabricated by a one-pot citrate sol-gel combustion method. Journal of Alloys and Compounds, 2018, 762, 389-397.	2.8	90
29	Ceâ€“Nd Co-substituted nanospinel cobalt ferrites: An investigation of their structural, magnetic, optical, and apoptotic properties. Ceramics International, 2019, 45, 16147-16156.	2.3	90
30	Impact of La³⁺ and Y³⁺ ion substitutions on structural, magnetic and microwave properties of Ni_{0.3}Cu_{0.3}Zn_{0.4}Fe₂O₄ nanospinel ferrites synthesized via sonochemical route. RSC Advances, 2019, 9, 30671-30684.	1.7	90
31	Ni0.4Cu0.2Zn0.4TbxFe2-xO4 nanospinel ferrites: Ultrasonic synthesis and physical properties. Ultrasonics Sonochemistry, 2019, 59, 104757.	3.8	89
32	Influence of WO3 nanowires on structural, morphological and flux pinning ability of YBa2Cu3Oy superconductor. Ceramics International, 2019, 45, 2621-2628.	2.3	89
33	Investigation of structural, morphological, optical, magnetic and dielectric properties of (1-x)BaTiO3/xSr0.92Ca0.04Mg0.04Fe12O19 composites. Journal of Magnetism and Magnetic Materials, 2020, 510, 166933.	1.0	89
34	Structural and magnetic properties of Ce-Y substituted strontium nanohexaferrites. Ceramics International, 2018, 44, 12511-12519.	2.3	88
35	Effect of Cr 3+ substitution on AC susceptibility of Ba hexaferrite nanoparticles. Journal of Magnetism and Magnetic Materials, 2018, 458, 204-212.	1.0	88
36	Structural, magnetic and electrochemical characterizations of Bi2Mo2O9 nanoparticle for supercapacitor application. Journal of Magnetism and Magnetic Materials, 2019, 486, 165254.	1.0	88

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37	Effect of bimetallic (Ca, Mg) substitution on magneto-optical properties of NiFe2O4 nanoparticles. Ceramics International, 2019, 45, 6021-6029.	2.3	88
38	SiO2 nanoparticles addition effect on microstructure and pinning properties in YBa2Cu3Oy. Ceramics International, 2014, 40, 4953-4962.	2.3	86
39	Effect of Nb3+ Substitution on the Structural, Magnetic, and Optical Properties of Co0.5Ni0.5Fe2O4 Nanoparticles. Nanomaterials, 2019, 9, 430.	1.9	86
40	The effect of Nb substitution on magnetic properties of BaFe12O19 nanohexaferrites. Ceramics International, 2019, 45, 1691-1697.	2.3	84
41	Study of tungsten oxide effect on the performance of BaTiO3 ceramics. Journal of Materials Science: Materials in Electronics, 2019, 30, 13509-13518.	1.1	82
42	Structural, magnetic, optical properties and cation distribution of nanosized Ni0.3Cu0.3Zn0.4TmxFe2â^'xO4 (0.0â€¯â‰¤â€¯xâ€¯â‰¤â€¯0.10) spinel ferrites synthesized by ultrasound irradiation. Ultrasonics Sonochemistry, 2019, 57, 203-211.	3.8	81
43	Frequency and dc bias voltage dependent dielectric properties and electrical conductivity of BaTiO3SrTiO3/(SiO2)x nanocomposites. Ceramics International, 2019, 45, 11989-12000.	2.3	81
44	Synthesis of Electrospun TiO2 Nanofibers and Characterization of Their Antibacterial and Antibiofilm Potential against Gram-Positive and Gram-Negative Bacteria. Antibiotics, 2020, 9, 572.	1.5	81
45	Tuning the Structure, Magnetic, and High Frequency Properties of Scâ€Doped Sr_{0.5}Ba_{0.5}Sc_xFe_{12â€}_xO₁₉/NiFe₂O₄ Hard/Soft Nanocomposites. Advanced Electronic Materials, 2022, 8, .	8.1	81
46	Structural, morphological and magnetic properties of hard/soft SrFe12-xVxO19/(Ni0.5Mn0.5Fe2O4)y nanocomposites: Effect of vanadium substitution. Journal of Alloys and Compounds, 2018, 767, 966-975.	2.8	80
47	Microstructural and magnetic investigation of vanadium-substituted Sr-nanohexaferrite. Journal of Magnetism and Magnetic Materials, 2019, 471, 124-132.	1.0	80
48	Higher intra-granular and inter-granular performances of YBCO superconductor with TiO2 nano-sized particles addition. Ceramics International, 2018, 44, 18836-18843.	2.3	78
49	Impact of Nd-Zn co-substitution on microstructure and magnetic properties of SrFe12O19 nanohexaferrite. Ceramics International, 2019, 45, 963-969.	2.3	78
50	Substitution effect of Cr3+ on hyperfine interactions, magnetic and optical properties of Sr-hexaferrites. Ceramics International, 2018, 44, 15995-16004.	2.3	77
51	Sonochemical synthesis of Eu3+ substituted CoFe2O4 nanoparticles and their structural, optical and magnetic properties. Ultrasonics Sonochemistry, 2019, 58, 104621.	3.8	77
52	Manganese/Yttrium Codoped Strontium Nanohexaferrites: Evaluation of Magnetic Susceptibility and Mossbauer Spectra. Nanomaterials, 2019, 9, 24.	1.9	77
53	Features of structure, magnetic state and electrodynamic performance of SrFe12â^'xInxO19. Scientific Reports, 2021, 11, 18342.	1.6	77
54	Structural parameters, energy states and magnetic properties of the novel Se-doped NiFe2O4 ferrites as highly efficient electrocatalysts for HER. Ceramics International, 2022, 48, 24866-24876.	2.3	77

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55	Impact of manganese ferrite (MnFe2O4) nanoparticles on growth and magnetic character of barley (Hordeum vulgare L.). Environmental Pollution, 2018, 243, 872-881.	3.7	76
56	Review on recent advances of zinc substituted cobalt ferrite nanoparticles: Synthesis characterization and diverse applications. Ceramics International, 2021, 47, 10512-10535.	2.3	76
57	MÃ¶ssbauer Studies and Magnetic Properties of Cubic CuFe2O4 Nanoparticles. Journal of Superconductivity and Novel Magnetism, 2019, 32, 557-564.	0.8	74
58	AC susceptibility investigation of YBCO superconductor added by carbon nanotubes. Journal of Alloys and Compounds, 2020, 812, 152150.	2.8	74
59	Role of WO3 nanoparticles in electrical and dielectric properties of BaTiO3â€“SrTiO3 ceramics. Journal of Materials Science: Materials in Electronics, 2020, 31, 7786-7797.	1.1	74
60	Excess Conductivity Study in Nano-CoFe2O4-Added YBa2Cu3O7â˜'d and Y3Ba5Cu8O18Â±x Superconductors. Journal of Superconductivity and Novel Magnetism, 2015, 28, 3001-3010.	0.8	73
61	State of the art two-dimensional covalent organic frameworks: Prospects from rational design and reactions to applications for advanced energy storage technologies. Coordination Chemistry Reviews, 2021, 447, 214152.	9.5	73
62	Superconducting properties of polycrystalline YBa2Cu3O7 â€“ d prepared by sintering of ball-milled precursor powder. Ceramics International, 2014, 40, 1461-1470.	2.3	72
63	Microstructural, Optical, and Magnetic Properties of Vanadium-Substituted Nickel Spinel Nanoferrites. Journal of Superconductivity and Novel Magnetism, 2019, 32, 1057-1065.	0.8	72
64	Morphology and magnetic traits of strontium nanohexaferrites: Effects of manganese/yttrium co-substitution. Journal of Rare Earths, 2019, 37, 732-740.	2.5	72
65	Improvement of flux pinning ability by tungsten oxide nanoparticles added in YBa2Cu3Oy superconductor. Ceramics International, 2019, 45, 6828-6835.	2.3	71
66	Enhancement on the exchange coupling behavior of SrCo0.02Zr0.02Fe11.96O19/MFe2O4 (Mâ€¯=â€¯Co, Ni, Cu,) Tj ETQq0 0 0 rgBT /Ov 2020, 499, 166308.	1.0	71
67	Functional Sr0.5Ba0.5Sm0.02Fe11.98O4/x(Ni0.8Zn0.2Fe2O4) Hardâ€“Soft Ferrite Nanocomposites: Structure, Magnetic and Microwave Properties. Nanomaterials, 2020, 10, 2134.	1.9	71
68	Investigation of the impact of nano-sized wires and particles TiO2 on Y-123 superconductor performance. Journal of Alloys and Compounds, 2019, 781, 664-673.	2.8	69
69	Size effect of iron (III) oxide nanomaterials on the growth, and their uptake and translocation in common wheat (Triticum aestivum L.). Ecotoxicology and Environmental Safety, 2020, 194, 110377.	2.9	66
70	Structural, magnetic, optical properties and cation distribution of nanosized Co0.7Zn0.3TmxFe2â˜'xO4 (0.0â€¯â‰¤â€¯xâ€¯â‰¤â€¯0.04) spinel ferrites synthesized by ultrasonic irradiation. Ultrasonics Sonochemistry, 2019, 58, 104638.	6.8	64
71	Construction of well-designed 1D seleniumâ€“tellurium nanorods anchored on graphene sheets as a high storage capacity anode material for lithium-ion batteries. Inorganic Chemistry Frontiers, 2020, 7, 1750-1761.	3.0	64
72	Review on functional bi-component nanocomposites based on hard/soft ferrites: Structural, magnetic, electrical and microwave absorption properties. Nano Structures Nano Objects, 2021, 26, 100728.	1.9	63

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73	Review on Recent Advances of Synthesis, Magnetic Properties, and Water Treatment Applications of Cobalt Ferrite Nanoparticles and Nanocomposites. Journal of Superconductivity and Novel Magnetism, 2021, 34, 995-1018.	0.8	62
74	Structural and Magnetic Properties of Co0.5Ni0.5Ga0.01Gd0.01Fe1.98O4/ZnFe2O4 Spinel Ferrite Nanocomposites: Comparative Study between Sol-Gel and Pulsed Laser Ablation in Liquid Approaches. Nanomaterials, 2021, 11, 2461.	1.9	62
75	Calcination effect on the magneto-optical properties of vanadium substituted NiFe2O4 nanoferrites. Journal of Materials Science: Materials in Electronics, 2019, 30, 9143-9154.	1.1	58
76	AC susceptibility and Mossbauer study of Ce 3+ ion substituted SrFe 12 O 19 nanohexaferrites. Ceramics International, 2018, 44, 10470-10477.	2.3	56
77	Synthesis of Mn0.5Zn0.5SmxEuxFe1.8â˜'2xO4 Nanoparticles via the Hydrothermal Approach Induced Anti-Cancer and Anti-Bacterial Activities. Nanomaterials, 2019, 9, 1635.	1.9	56
78	Construction of NiCo/graphene nanocomposite coating with bulges-like morphology for enhanced mechanical properties and corrosion resistance performance. Journal of Alloys and Compounds, 2021, 867, 159138.	2.8	56
79	Nickel substituted MgFe2O4 nanoparticles via co-precipitation method for photocatalytic applications. Physica B: Condensed Matter, 2021, 606, 412660.	1.3	55
80	Enhancing oxygen reduction reaction performance via CNTs/graphene supported iron protoporphyrin IX: A hybrid nanoarchitecture electrocatalyst. Diamond and Related Materials, 2021, 113, 108272.	1.8	54
81	Magnetic properties, anticancer and antibacterial effectiveness of sonochemically produced Ce3+/Dy3+ co-activated Mn-Zn nanospinel ferrites. Arabian Journal of Chemistry, 2020, 13, 7403-7417.	2.3	53
82	Investigation of the effects of Tm3+ on the structural, microstructural, optical, and magnetic properties of Sr hexaferrites. Results in Physics, 2019, 13, 102166.	2.0	52
83	Correlation between entropy state, crystal structure, magnetic and electrical properties in M-type Ba-hexaferrites. Journal of the European Ceramic Society, 2020, 40, 4022-4028.	2.8	52
84	Boosting oxygen reduction reaction activity by incorporating the iron phthalocyanine nanoparticles on carbon nanotubes network. Inorganic Chemistry Communication, 2020, 120, 108160.	1.8	50
85	Developing the magnetic, dielectric and anticandidal characteristics of SrFe12O19/(Mg0.5Cd0.5Dy0.03Fe1.97O4)x hard/soft ferrite nanocomposites. Journal of the Taiwan Institute of Chemical Engineers, 2020, 113, 344-362.	2.7	50
86	Synthesis of Dy-Y co-substituted manganeseâ€'zinc spinel nanoferrites induced anti-bacterial and anti-cancer activities: Comparison between sonochemical and sol-gel auto-combustion methods. Materials Science and Engineering C, 2020, 116, 111186.	3.8	50
87	Evaluation of Cuâ€"MgFe2O4 spinel nanoparticles for photocatalytic and antimicrobial activates. Journal of Physics and Chemistry of Solids, 2021, 153, 110010.	1.9	49
88	Ca2+ and Mg2+ incorporated barium hexaferrites: structural and magnetic properties. Journal of Sol-Gel Science and Technology, 2018, 88, 628-638.	1.1	48
89	Fabrication of exchange coupled hard/soft magnetic nanocomposites: Correlation between composition, magnetic, optical and microwave properties. Arabian Journal of Chemistry, 2021, 14, 102992.	2.3	46
90	Structural, optical and magnetic properties of Tb3+ substituted Co nanoferrites prepared via sonochemical approach. Ceramics International, 2019, 45, 22538-22546.	2.3	45

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91	Influence of Dy³⁺ Ions on the Microstructures and Magnetic, Electrical, and Microwave Properties of [Ni_{0.4}Cu_{0.2}Zn_{0.4}](Fe_{2â€“x}Dy_x)O₄ (0.00 â‰¤ x â‰¤ 0.04) Spinel Ferrites. ACS Omega, 2021, 6, 10266-10280.	1.6	45
92	The impact of Zr substituted Sr hexaferrite: Investigation on structure, optic and magnetic properties. Results in Physics, 2019, 13, 102244.	2.0	44
93	Impact of nickel substitution on structure, magneto-optical, electrical and acoustical properties of cobalt ferrite nanoparticles. Journal of Alloys and Compounds, 2021, 857, 157517.	2.8	44
94	Uptake, translocation, and physiological effects of hematite (Î±-Fe2O3) nanoparticles in barley (Hordeum vulgare L.). Environmental Pollution, 2020, 266, 115391.	3.7	43
95	Synthesis, characterization, and performance assessment of new composite ceramics towards radiation shielding applications. Journal of Alloys and Compounds, 2022, 899, 163173.	2.8	43
96	Experimental investigation on the physical properties and radiation shielding efficiency of YBa2Cu3Oy/M@M3O4 (M= Co, Mn) ceramic composites. Journal of Alloys and Compounds, 2022, 904, 164056.	2.8	43
97	Impact of Tm3+ and Tb3+ Rare Earth Cations Substitution on the Structure and Magnetic Parameters of Co-Ni Nanospinel Ferrite. Nanomaterials, 2020, 10, 2384.	1.9	42
98	Structural, morphological and optical properties of multifunctional magnetic-luminescent ZnO@Fe3O4 nanocomposite. Physica E: Low-Dimensional Systems and Nanostructures, 2020, 124, 114291.	1.3	41
99	Influence of Tmâ€“Tb substitution on magnetic and optical properties of Baâ€“Sr hexaferrites prepared by ultrasonic assisted citrate sol-gel approach. Materials Chemistry and Physics, 2020, 253, 123324.	2.0	41
100	Effect of Nb substitution on magneto-optical properties of Co0.5Mn0.5Fe2O4 nanoparticles. Journal of Molecular Structure, 2019, 1195, 269-279.	1.8	40
101	Impact of superparamagnetic iron oxide nanoparticles (SPIONs) and ionic iron on physiology of summer squash (Cucurbita pepo): A comparative study. Plant Physiology and Biochemistry, 2019, 139, 56-65.	2.8	40
102	Exchange-coupling behavior in SrTb_{0.01}Tm_{0.01}Fe_{11.98}O₁₉/(CoFe₂O₄)_x hard/soft nanocomposites. New Journal of Chemistry, 2020, 44, 5800-5808.	3.3	40
103	Study on the addition of SiO2 nanowires to BaTiO3: Structure, morphology, electrical and dielectric properties. Journal of Physics and Chemistry of Solids, 2021, 156, 110183.	1.9	40
104	Impact of Sm³⁺ and Er³⁺ Cations on the Structural, Optical, and Magnetic Traits of Spinel Cobalt Ferrite Nanoparticles: Comparison Investigation. ACS Omega, 2022, 7, 6292-6301.	1.6	40
105	Enhanced critical current density and flux pinning traits with Dy2O3 nanoparticles added to YBa2Cu3O7-d superconductor. Journal of Alloys and Compounds, 2021, 852, 157019.	2.8	39
106	(BaTiO₃)_{1â€“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.	1.9	39
107	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.	2.3	39
108	Comparative study of nano-sized particles CoFe2O4 effects on superconducting properties of Y-123 and Y-358. Physica B: Condensed Matter, 2014, 450, 7-15.	1.3	38

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109	Comparative investigation of the ball milling role against hand grinding on microstructure, transport and pinning properties of Y3Ba5Cu8O18Â±Î´ and YBa2Cu3O7-Î´. Ceramics International, 2018, 44, 19950-19957.	2.3	37
110	Excess conductivity and AC susceptibility studies of Y-123 superconductor added with TiO2 nano-wires. Materials Chemistry and Physics, 2019, 235, 121721.	2.0	37
111	Sonochemical synthesis of Dy3+ substituted Mn0.5Zn0.5Fe2â^'xO4 nanoparticles: Structural, magnetic and optical characterizations. Ultrasonics Sonochemistry, 2020, 61, 104836.	3.8	37
112	Investigation of exchange coupling and microwave properties of hard/soft (SrNi0.02Zr0.01Fe11.96O19)/(CoFe2O4)x nanocomposites. Materials Today Nano, 2022, 18, 100186.	2.3	37
113	Impact of planetary ball milling parameters on the microstructure and pinning properties of polycrystalline superconductor Y3Ba5Cu8Oy. Cryogenics, 2018, 92, 5-12.	0.9	36
114	Effect of Nb3+ ion substitution on the magnetic properties of SrFe12O19 hexaferrites. Journal of Materials Science: Materials in Electronics, 2019, 30, 11181-11192.	1.1	36
115	Photocatalytic degradation of reactive anionic dyes RB5, RR198 and RY145 via rare earth element (REE) lanthanum substituted CaTiO3 perovskite catalysts. Journal of Materials Research and Technology, 2021, 15, 5936-5947.	2.6	36
116	Structure, optical properties, and ionizing radiation shielding performance using Monte Carlo simulation for lead-free BTO perovskite ceramics doped with ZnO, SiO2, and WO3 oxides. Materials Science in Semiconductor Processing, 2022, 145, 106629.	1.9	36
117	Microstructure, magnetic and optical properties of Nb3+ and Y3+ ions co-substituted Sr hexaferrites. Ceramics International, 2020, 46, 4610-4618.	2.3	35
118	A study on the spectral, microstructural, and magnetic properties of Euâ€“Nd double-substituted Ba0.5Sr0.5Fe12O19 hexaferrites synthesized by an ultrasonic-assisted approach. Ultrasonics Sonochemistry, 2020, 62, 104847.	3.8	35
119	Electronic, magnetic, and microwave properties of hard/soft nanocomposites based on hexaferrite SrNi0.02Zr0.02Fe11.96O19 with variable spinel phase MFe2O4 (M = Mn, Co, Cu, and Zn). Ceramics International, 2021, 47, 35209-35223.	2.3	35
120	Effects of Ceâ€“Dy rare earths co-doping on various features of Niâ€“Co spinel ferrite microspheres prepared via hydrothermal approach. Journal of Materials Research and Technology, 2021, 14, 2534-2553.	2.6	35
121	AC susceptibility study of Cu substituted BaFe12O19 nanohexaferrites. Ceramics International, 2018, 44, 13097-13105.	2.3	34
122	AC susceptibility and hyperfine interactions of vanadium substituted barium nanohexaferrites. Ceramics International, 2018, 44, 17749-17758.	2.3	34
123	Magneto-resistivity and magnetization investigations of YBCO superconductor added by nano-wires and nano-particles of titanium oxide. Journal of Materials Science: Materials in Electronics, 2019, 30, 8805-8813.	1.1	34
124	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.	1.7	34
125	Magneto-conductivity fluctuation in YBCO prepared by sintering of ball-milled precursor powder. Materials Chemistry and Physics, 2015, 159, 185-193.	2.0	33
126	Synthesis and characterization of Co1â€“2Ni Mn Ce Fe2â€“O4 nanoparticles. Journal of Rare Earths, 2020, 38, 188-194.	2.5	33

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127	Effect of Nd-Y co-substitution on structural, magnetic, optical and microwave properties of NiCuZn nanospinel ferrites. Journal of Materials Research and Technology, 2020, 9, 11278-11290.	2.6	33
128	Effect of doping on dielectric and optical properties of barium hexaferrite: Photocatalytic performance under solar light irradiation. Ceramics International, 2021, 47, 31518-31526.	2.3	32
129	Synthesis and biological characterization of Mn0.5Zn0.5EuxDyxFe1.8-2xO4 nanoparticles by sonochemical approach. Materials Science and Engineering C, 2020, 109, 110534.	3.8	31
130	Investigation of hard/soft <scp> CoFe ₂ O ₄ </scp> / <scp> NiSc ₀ </scp> _. <scp> ₀₃ Fe ₁ </scp> _. <scp> ₉₇ O ₄ </. International Journal of Energy Research, 2021, 45, 16691-16708.	2.2	31
131	Determination of structural features of different Perovskite ceramics and investigation of ionizing radiation shielding properties. Journal of Materials Science: Materials in Electronics, 2021, 32, 20867-20881.	1.1	31
132	Hydrogen-based sono-hybrid catalytic degradation and mitigation of industrially-originated dye-based pollutants. International Journal of Hydrogen Energy, 2023, 48, 6597-6612.	3.8	31
133	Impact of calcium and magnesium substituted strontium nano-hexaferrite on mineral uptake, magnetic character, and physiology of barley (Hordeum vulgare L.). Ecotoxicology and Environmental Safety, 2019, 186, 109751.	2.9	30
134	Exchange-coupling effect in hard/soft SrTb0.01Tm0.01Fe11.98O19/AFe2O4 (where A = Co, Ni, Zn, Cu and) Tj ETQq0 0 0 rgBT /Overlock	2.3	30
135	Eco-benign approach to produce biodiesel from neem oil using heterogeneous nano-catalysts and process optimization. Environmental Technology and Innovation, 2021, 22, 101430.	3.0	30
136	Comparative study of electrical transport and magnetic measurements of Y3Ba5Cu8O18Â±Î´ and YBa2Cu3O7âˆ’Î´ compounds: intragranular and intergranular superconducting properties. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	1.1	29
137	Electrical properties of La3+ and Y3+ ions substituted Ni0.3Cu0.3Zn0.4Fe2O4 nanospinel ferrites. Results in Physics, 2019, 15, 102755.	2.0	29
138	Impact of Dy2O3 nanoparticles additions on the properties of porous YBCO ceramics. Journal of Materials Science: Materials in Electronics, 2019, 30, 17572-17582.	1.1	29
139	Nd3+ Ion-Substituted Co1âˆ’2xNixMnxFe2âˆ’yNdyO4 Nanoparticles: Structural, Morphological, and Magnetic Investigations. Journal of Inorganic and Organometallic Polymers and Materials, 2019, 29, 783-791.	1.9	29
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