

# Yassine Slimani

## List of Publications by Year in descending order

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275  
papers

11,311  
citations

14655

66  
h-index

54911

84  
g-index

281  
all docs

281  
docs citations

281  
times ranked

3691  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrical and dielectric properties of Ni <sub>0.5</sub> Co <sub>0.5</sub> Ga <sub>1.8</sub> Fe <sub>1.8</sub> O <sub>4</sub> (x = 1.0) spinel ferrite microspheres. <i>Journal of Rare Earths</i> , 2023, 41, 259-267.	4.8	11
2	Preparation of cerium and yttrium doped ZnO nanoparticles and tracking their structural, optical, and photocatalytic performances. <i>Journal of Rare Earths</i> , 2023, 41, 682-688.	4.8	27
3	Structural, morphological and magnetic properties of (Ni <sub>0.5</sub> Co <sub>0.5</sub> )[Ga Gd Fe <sub>2</sub> ]O <sub>4</sub> nanoparticles prepared via sonochemical approach. <i>Journal of Rare Earths</i> , 2023, 41, 561-571.	4.8	4
4	Hydrogen-based sono-hybrid catalytic degradation and mitigation of industrially-originated dye-based pollutants. <i>International Journal of Hydrogen Energy</i> , 2023, 48, 6597-6612.	7.1	31
5	Fate and impact of maghemite (γ-Fe <sub>2</sub> O <sub>3</sub> ) and magnetite (Fe <sub>3</sub> O <sub>4</sub> ) nanoparticles in barley ( <i>Hordeum vulgare</i> ) Tj ETQo 1 0.784314 rg 37	5.3	18
6	Investigation on the structural, optical, and magnetic features of Dy <sup>3+</sup> and Y <sup>3+</sup> co-doped Mn <sub>0.5</sub> Zn <sub>0.5</sub> Fe <sub>2</sub> O <sub>4</sub> spinel ferrite nanoparticles. <i>Journal of Molecular Structure</i> , 2022, 1248, 131412.	3.6	27
7	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.	2.8	19
8	Synthesis of different (RE)BaCuO ceramics, study their structural properties, and tracking their radiation protection efficiency using Monte Carlo simulation. <i>Materials Chemistry and Physics</i> , 2022, 276, 125412.	4.0	23
9	Synthesis, characterization, and performance assessment of new composite ceramics towards radiation shielding applications. <i>Journal of Alloys and Compounds</i> , 2022, 899, 163173.	5.5	43
10	Experimental investigation on the physical properties and radiation shielding efficiency of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub> /M@M <sub>3</sub> O <sub>4</sub> (M= Co, Mn) ceramic composites. <i>Journal of Alloys and Compounds</i> , 2022, 904, 164056.	5.5	43
11	Evaluation of the Radiation-Protective Properties of Bi (Pb)-Sr-Ca-Cu-O Ceramic Prepared at Different Temperatures with Silver Inclusion. <i>Materials</i> , 2022, 15, 1034.	2.9	12
12	Investigation of exchange coupling and microwave properties of hard/soft (SrNi <sub>0.02</sub> Zr <sub>0.01</sub> Fe <sub>11.96</sub> O <sub>19</sub> )/(CoFe <sub>2</sub> O <sub>4</sub> ) <sub>x</sub> nanocomposites. <i>Materials Today Nano</i> , 2022, 18, 100186.	4.6	37
13	Structure, magnetoelectric, and anticancer activities of core-shell Co <sub>0.8</sub> Mn <sub>0.2</sub> R <sub>0.02</sub> Fe <sub>1.98</sub> O <sub>4</sub> @BaTiO <sub>3</sub> nanocomposites (R = Ce, Eu, Tb, Tm, or Gd). <i>Ceramics International</i> , 2022, 48, 14640-14651.	4.8	16
14	Impact of Sm <sup>3+</sup> and Er <sup>3+</sup> Cations on the Structural, Optical, and Magnetic Traits of Spinel Cobalt Ferrite Nanoparticles: Comparison Investigation. <i>ACS Omega</i> , 2022, 7, 6292-6301.	3.5	40
15	Effect of sintering conditions on the radiation shielding characteristics of YBCO superconducting ceramics. <i>Journal of Physics and Chemistry of Solids</i> , 2022, 164, 110627.	4.0	27
16	Influence of Ce <sup>3+</sup> on the Structural, Morphological, Magnetic, Photocatalytic and Antibacterial Properties of Spinel MnFe <sub>2</sub> O <sub>4</sub> Nanocrystallites Prepared by the Combustion Route. <i>Crystals</i> , 2022, 12, 268.	2.2	15
17	Radiation shielding properties of bi-ferroic ceramics added with CNTs. <i>Radiation Physics and Chemistry</i> , 2022, 200, 110096.	2.8	22
18	Radiation shielding and structural features for different perovskites doped YBa <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub> composites. <i>Ceramics International</i> , 2022, 48, 18855-18865.	4.8	10

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19	A study on the conductivity, dielectric, and microwave properties of SrNb <sub>x</sub> Y <sub>x</sub> Fe <sub>12-2x</sub> O <sub>19</sub> (0.00 ≤ x ≤ 1) thin films. <i>Ceramics International</i> , 2022, 48, 10721-10732.	5.8	14
20	Investigation of transport properties, flux pinning mechanisms and fluctuations induced conductivity of SiO <sub>2</sub> nanoparticles doped YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-d</sub> thick films on silver substrates. <i>Ceramics International</i> , 2022, 48, 10721-10732.	4.8	3
21	Effect of Bi <sup>3+</sup> ions substitution on the structure, morphology, and magnetic properties of Co <sup>2+</sup> /Ni spinel ferrite nanofibers. <i>Materials Chemistry and Physics</i> , 2022, 284, 126071.	4.0	11
22	Structural investigation of Cu doped calcium ferrite (Ca <sub>1-x</sub> Cu <sub>x</sub> Fe <sub>2</sub> O <sub>4</sub> ; 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.	5.8	21
23	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, 0.1) spinel nanoferrites: Magnetic and textural investigation. <i>Journal of Molecular Structure</i> , 2022, 1258, 132680.	3.6	7
24	An investigation on structural, optical and magnetic properties of hard-soft SrFe <sub>12</sub> O <sub>19</sub> /(CoEu <sub>0.02</sub> Fe <sub>1.98</sub> O <sub>4</sub> ) <sub>x</sub> nanofiber composites. <i>Journal of Alloys and Compounds</i> , 2022, 905, 164240.	5.5	9
25	Impact of In <sup>3+</sup> cations on structure and electromagnetic state of Mn <sup>2+</sup> type hexaferrites. <i>Journal of Energy Chemistry</i> , 2022, 69, 667-676.	12.9	95
26	Structure, optical properties, and ionizing radiation shielding performance using Monte Carlo simulation for lead-free BTO perovskite ceramics doped with ZnO, SiO <sub>2</sub> , and WO <sub>3</sub> oxides. <i>Materials Science in Semiconductor Processing</i> , 2022, 145, 106629.	4.0	36
27	Synthesis and design of vanadium intercalated spinel ferrite (Co <sub>0.5</sub> Ni <sub>0.5</sub> V <sub>x</sub> Fe <sub>1.6-2x</sub> O <sub>4</sub> ) electrodes for high current supercapacitor applications. <i>Journal of Energy Storage</i> , 2022, 51, 104357.	8.1	29
28	Tuning the Structure, Magnetic, and High Frequency Properties of Sc <sup>3+</sup> -Doped Sr <sub>0.5</sub> Ba <sub>0.5</sub> Sc <sub>x</sub> Fe <sub>12-x</sub> O <sub>19</sub> /NiFe <sub>2</sub> O <sub>4</sub> Hard/Soft Nanocomposites. <i>Advanced Electronic Materials</i> , 2022, 8, .	6.1	8
29	Superconducting properties of YBCO bulk co-embedded by nano-BaTiO <sub>3</sub> and WO <sub>3</sub> particles. <i>European Physical Journal Plus</i> , 2022, 137, 1.	2.6	4
30	Sol-gel combustion synthesis and photocatalytic dye degradation studies of rare earth element Ce substituted Mn <sup>2+</sup> /Zn ferrite nanoparticles. <i>Journal of Materials Research and Technology</i> , 2022, 18, 5280-5289.	5.8	23
31	ErBaCuO/PbO ceramic composites: Synthesis, physical properties, and radiation shielding performance. <i>Ceramics International</i> , 2022, 48, 24355-24362.	4.8	2
32	Structural parameters, energy states and magnetic properties of the novel Se-doped NiFe <sub>2</sub> O <sub>4</sub> ferrites as highly efficient electrocatalysts for HER. <i>Ceramics International</i> , 2022, 48, 24866-24876.	4.8	77
33	Advanced Progress in Magnetoelectric Multiferroic Composites. , 2022, , 1-35.		1
34	One-pot synthesis of hard/soft SrFe <sub>10</sub> O <sub>19</sub> /x(Ni <sub>0.8</sub> Zn <sub>0.2</sub> Fe <sub>1.8</sub> Cr <sub>0.2</sub> O <sub>4</sub> ) nanocomposites: Electrical features and reflection losses. <i>Ceramics International</i> , 2022, 48, 25390-25401.	4.8	8
35	Rare earth (RE: La and Ce) elements doped ZnWO <sub>4</sub> nanoparticles for enhanced photocatalytic removal of methylene blue dye from aquatic environment. <i>Physica B: Condensed Matter</i> , 2022, 639, 414028.	2.7	7
36	Magnetic Characterization of Nanomaterials. , 2022, , 177-238.		1

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37	Ultrasound-assisted synthesis and magnetic investigations of Ni <sub>0.4</sub> Cu <sub>0.4</sub> Zn <sub>0.2</sub> Ga <sub>x</sub> GdxFe <sub>2-2x</sub> O <sub>4</sub> (0.00 ≤ x ≤ 0.04) nanosized spinel ferrites. Applied Physics A: Materials Science and Processing, 2022, 48, 30499-30509.	2.3	128
38	BaTiO <sub>3</sub> /(Co <sub>0.8</sub> Ni <sub>0.1</sub> Mn <sub>0.1</sub> Fe <sub>1.9</sub> Ce <sub>0.1</sub> O <sub>4</sub> ) composites: Analysis of the effect of Co <sub>0.8</sub> Ni <sub>0.1</sub> Mn <sub>0.1</sub> Fe <sub>1.9</sub> Ce <sub>0.1</sub> O <sub>4</sub> doping at different concentrations on the structural, morphological, optical, magnetic, and magnetoelectric coupling properties of BaTiO <sub>3</sub> . Ceramics International, 2022, 48, 30499-30509.	4.8	18
39	Impact of sonication time on the structural and magnetic features of CoFe <sub>2</sub> O <sub>4</sub> /Ni <sub>0.8</sub> Cu <sub>0.1</sub> Zn <sub>0.1</sub> Fe <sub>2</sub> O <sub>4</sub> hard-soft nanocomposites. Journal of Alloys and Compounds, 2022, 923, 166347.	5.5	5
40	Exploring the influence of varying pH on structural, electro-optical, magnetic and photo-Fenton properties of mesoporous ZnFe <sub>2</sub> O <sub>4</sub> nanocrystals. Environmental Pollution, 2021, 272, 115983.	7.5	24
41	AC susceptibility and FC-ZFC magnetic properties of SrTb Fe <sub>12</sub> Å <sup>19</sup> O <sub>19</sub> and SrTm Fe <sub>12</sub> Å <sup>19</sup> O <sub>19</sub> hexaferrites: a comparative study. Journal of Rare Earths, 2021, 39, 1003-1009.	4.8	8
42	Enhanced critical current density and flux pinning traits with Dy <sub>2</sub> O <sub>3</sub> nanoparticles added to YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-d</sub> superconductor. Journal of Alloys and Compounds, 2021, 852, 157019.	5.5	39
43	Impact of nickel substitution on structure, magneto-optical, electrical and acoustical properties of cobalt ferrite nanoparticles. Journal of Alloys and Compounds, 2021, 857, 157517.	5.5	44
44	Nickel substituted MgFe <sub>2</sub> O <sub>4</sub> nanoparticles via co-precipitation method for photocatalytic applications. Physica B: Condensed Matter, 2021, 606, 412660.	2.7	55
45	Delivery, fate and physiological effect of engineered cobalt ferrite nanoparticles in barley (Hordeum) Tj ETQq1 1 0.784314 rgBT /Over	8.2	8
46	Perovskite's potential functionality in a composite structure. , 2021, , 181-202.		5
47	Flux pinning mechanisms of (YBa <sub>2</sub> Cu <sub>3</sub> O <sub>y-d</sub> ) <sub>1-x</sub> /(Dy <sub>2</sub> O <sub>3</sub> ) <sub>x</sub> superconductors (x=0.1 and 0.5 Åwt%). Ceramics International, 2021, 47, 6675-6682.	4.8	8
48	Investigation of AC susceptibility, dielectric and electrical properties of Tb-Tm co-substituted M-type Sr hexaferrites. Materials Chemistry and Physics, 2021, 260, 124162.	4.0	24
49	Ru-based perovskites/RGO composites for applications in high performance supercapacitors. , 2021, , 335-354.		6
50	Magnetic phases in superconducting, polycrystalline bulk FeSe samples. AIP Advances, 2021, 11, .	1.3	16
51	Defective/graphitic synergy in a heteroatom-interlinked-triggered metal-free electrocatalyst for high-performance rechargeable zinc-air batteries. Journal of Materials Chemistry A, 2021, 9, 18222-18230.	10.3	135
52	Anti-microbial and anti-cancer activities of Mn <sub>0.5</sub> Zn <sub>0.5</sub> Dy <sub>x</sub> Fe <sub>2-x</sub> O <sub>4</sub> (x ≤ 0.1) nanoparticles. Artificial Cells, Nanomedicine and Biotechnology, 2021, 49, 493-499.	2.8	18
53	Structural, optical, and electrochemical investigations of Sb-substituted mesoporous SnO <sub>2</sub> nanoparticles. Journal of Materials Science: Materials in Electronics, 2021, 32, 4132-4145.	2.2	12
54	Synthesis and characterization of magnetically separable La <sub>1-x</sub> Bi <sub>x</sub> Cr <sub>1-y</sub> Fe <sub>y</sub> O <sub>3</sub> and photocatalytic activity evaluation under visible light. Zeitschrift Fur Physikalische Chemie, 2021, 235, 1413-1431.	2.8	11



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73	Designing of $\text{Co}_{0.5}\text{Ni}_{0.5}\text{Ga}_x\text{Fe}_{2-x}\text{O}_4$ (0.0 $\leq x \leq$ 1.0) Microspheres via Hydrothermal Approach and Their Selective Inhibition on the Growth of Cancerous and Fungal Cells. <i>Pharmaceutics</i> , 2021, 13, 962.	4.5	13
74	Evaluation of $\text{Cu}^{2+}$ / $\text{MgFe}_2\text{O}_4$ spinel nanoparticles for photocatalytic and antimicrobial activities. <i>Journal of Physics and Chemistry of Solids</i> , 2021, 153, 110010.	4.0	49
75	Construction of NiCo/graphene nanocomposite coating with bulges-like morphology for enhanced mechanical properties and corrosion resistance performance. <i>Journal of Alloys and Compounds</i> , 2021, 867, 159138.	5.5	56
76	A study on the electrical and dielectric properties of $\text{Sr}_{1-x}\text{Gd}_x\text{Fe}_{12}\text{O}_{19}$ ( $x = 0.00$ – $0.05$ ) nanosized M-type hexagonal ferrites. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 18317-18329.	2.2	6
77	$\text{Sm}^{2+}$ / $\text{Dy}^{3+}$ co-substituted Sr hexaferrite microspheres: An investigation on their structural, magnetic, optical, and porosity characteristics. <i>Ceramics International</i> , 2021, 47, 25131-25141.	4.8	7
78	Anisotropy of the electrical properties of a single crystal of $\text{BaFe}_{11.25}\text{Ti}_{0.75}\text{O}_{19}$ M-type barium hexaferrite. <i>Journal of Solid State Chemistry</i> , 2021, 298, 122104.	2.9	8
79	$(\text{BaTiO}_3)_{1-x}(\text{Co}_{0.5}\text{Ni}_{0.5}\text{Nb}_{0.06}\text{Fe}_{1.94}\text{O}_4)_x$ nanocomposites: Structure, morphology, magnetic and dielectric properties. <i>Journal of the American Ceramic Society</i> , 2021, 104, 5648-5658.	3.8	39
80	Determination of structural features of different Perovskite ceramics and investigation of ionizing radiation shielding properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 20867-20881.	2.2	31
81	Intergrain connectivity in $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ superconductor added with $\text{Dy}_2\text{O}_3$ nanoparticles: AC susceptibility investigation. <i>Current Applied Physics</i> , 2021, 27, 89-97.	2.4	3
82	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.	3.5	34
83	Impact of Gd substitution on the structure, hyperfine interactions, and magnetic properties of Sr hexaferrites. <i>Ceramics International</i> , 2021, 47, 33853-33864.	4.8	29
84	Structural, Magnetic, and Mossbauer Parameters <sup>TM</sup> Evaluation of Sonochemically Synthesized Rare Earth $\text{Er}^{3+}$ and $\text{Y}^{3+}$ Ions-Substituted Manganese <sup>2+</sup> /Zinc Nanospinel Ferrites. <i>ACS Omega</i> , 2021, 6, 22429-22438.	3.5	7
85	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.	4.9	39
86	Preparation and characterization of high-T <sub>c</sub> $(\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta})_{1-x}/(\text{CNTs})_x$ superconductors with highly boosted superconducting performances. <i>Ceramics International</i> , 2021, 47, 23539-23548.	4.8	15
87	Hexagonal basalt-like ceramics $\text{La}_x\text{Mg}_{1-x}\text{TiO}_3$ ( $x = 0$ and $0.5$ ) contrived via deep eutectic solvent for selective electrochemical detection of dopamine. <i>Physica B: Condensed Matter</i> , 2021, 615, 413068.	2.7	15
88	Intergranular properties of polycrystalline $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ superconductor added with nanoparticles of $\text{WO}_3$ and $\text{BaTiO}_3$ as artificial pinning centers. <i>Ceramics International</i> , 2021, 47, 34260-34268.	4.8	12
89	Structural and Magnetic Properties of $\text{Co}_{0.5}\text{Ni}_{0.5}\text{Ga}_{0.01}\text{Gd}_{0.01}\text{Fe}_{1.98}\text{O}_4/\text{ZnFe}_2\text{O}_4$ Spinel Ferrite Nanocomposites: Comparative Study between Sol-Gel and Pulsed Laser Ablation in Liquid Approaches. <i>Nanomaterials</i> , 2021, 11, 2461.	4.1	62
90	Electronic, magnetic, and microwave properties of hard/soft nanocomposites based on hexaferrite $\text{SrNi}_{0.02}\text{Zr}_{0.02}\text{Fe}_{11.96}\text{O}_{19}$ with variable spinel phase $\text{MFe}_2\text{O}_4$ ( $M = \text{Mn}, \text{Co}, \text{Cu}, \text{and Zn}$ ). <i>Ceramics International</i> , 2021, 47, 35209-35223.	4.8	35



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91	Enabling the fast lithium storage of large-scalable $\hat{1}^3$ -Fe <sub>2</sub> O <sub>3</sub> /Carbon nanoarchitecture anode material with an ultralong cycle life. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 101, 379-386.	5.8	28
92	Effects of Ce <sup>3+</sup> /Dy <sup>3+</sup> rare earths co-doping on various features of Ni <sup>2+</sup> /Co spinel ferrite microspheres prepared via hydrothermal approach. <i>Journal of Materials Research and Technology</i> , 2021, 14, 2534-2553.	5.8	35
93	Study on the addition of SiO <sub>2</sub> nanowires to BaTiO <sub>3</sub> : Structure, morphology, electrical and dielectric properties. <i>Journal of Physics and Chemistry of Solids</i> , 2021, 156, 110183.	4.0	40
94	Features of structure, magnetic state and electrodynamic performance of SrFe <sub>12-x</sub> In <sub>x</sub> O <sub>19</sub> . <i>Scientific Reports</i> , 2021, 11, 18342.	3.3	77
95	Electrospinning synthesis of Cd-substituted Ni <sup>2+</sup> /Co spinel ferrite nanofibers: an investigation into their structural and magnetic features. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1.	2.3	4
96	Impact of the exfoliated graphite on magnetic and microwave properties of the hexaferrite-based composites. <i>Journal of Alloys and Compounds</i> , 2021, 878, 160397.	5.5	19
97	Effect of zinc substitution on the physical and electrochemical properties of mesoporous SnO <sub>2</sub> nanoparticles. <i>Materials Chemistry and Physics</i> , 2021, 273, 125122.	4.0	12
98	Effect of doping on dielectric and optical properties of barium hexaferrite: Photocatalytic performance under solar light irradiation. <i>Ceramics International</i> , 2021, 47, 31518-31526.	4.8	32
99	State of the art two-dimensional covalent organic frameworks: Prospects from rational design and reactions to applications for advanced energy storage technologies. <i>Coordination Chemistry Reviews</i> , 2021, 447, 214152.	18.8	73
100	YBCO superconductor added with one-dimensional TiO <sub>2</sub> nanostructures: Frequency dependencies of AC susceptibility, FC-ZFC magnetization, and pseudo-gap studies. <i>Journal of Alloys and Compounds</i> , 2021, 883, 160887.	5.5	8
101	Alterations in the magnetic and electrodynamic properties of hard-soft Sr <sub>0.5</sub> Ba <sub>0.5</sub> Eu <sub>0.01</sub> Fe <sub>12</sub> O <sub>19</sub> /Ni <sub>x</sub> Cu <sub>y</sub> Zn <sub>w</sub> Fe <sub>2</sub> O <sub>4</sub> nanocomposites. <i>Journal of Materials Research and Technology</i> , 2021, 15, 1416-1429.	5.8	12
102	Electrical and dielectric properties of rare earth substituted hard-soft ferrite (Co <sub>0.5</sub> Ni <sub>0.5</sub> Ga <sub>0.01</sub> Gd <sub>0.01</sub> Fe <sub>1.98</sub> O <sub>4</sub> ) <sub>x</sub> /(ZnFe <sub>2</sub> O <sub>4</sub> ) <sub>y</sub> nanocomposites. <i>Journal of Materials Research and Technology</i> , 2021, 15, 969-983.	5.8	28
103	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.	3.5	13
104	Investigation on electrical and dielectric properties of hard/soft spinel ferrite nanocomposites of CoFe <sub>2</sub> O <sub>4</sub> /(NiSc <sub>0.03</sub> Fe <sub>1.97</sub> O <sub>4</sub> ) <sub>x</sub> . <i>Vacuum</i> , 2021, 194, 110628.	3.5	19
105	Effect of Sr <sup>2+</sup> Ion <sup>3+</sup> -Substituted Nickel Ferrite Nanoparticles Prepared by a Simple Microwave Combustion Method. <i>Journal of Superconductivity and Novel Magnetism</i> , 2021, 34, 971-980.	1.8	7
106	Nanomaterials for nanogenerator. , 2021, , 69-87.		2
107	Nanomaterials and nanotechnology for high-performance rechargeable battery. , 2021, , 343-363.		4
108	Green Chemistry and Sustainable Nanotechnological Developments: Principles, Designs, Applications, and Efficiency. , 2021, , 1-18.		1

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109	Comparative study of sonochemically and hydrothermally synthesized Mn <sub>0.5</sub> Zn perovskite thin films by magnetron sputtering. Journal of Materials Research and Technology, 2021, 15, 5936-5947.	3.5	11
110	Impact of Ar:O <sub>2</sub> gas flow ratios on microstructure and optical characteristics of CeO <sub>2</sub> -doped ZnO thin films by magnetron sputtering. Europhysics Letters, 2021, 135, 67003.	2.0	9
111	Photocatalytic degradation of reactive anionic dyes RB5, RR198 and RY145 via rare earth element (REE) lanthanum substituted CaTiO <sub>3</sub> perovskite catalysts. Journal of Materials Research and Technology, 2021, 15, 5936-5947.	5.8	36
112	Impact of tin oxide on the structural features and radiation shielding response of some ABO <sub>3</sub> perovskites ceramics (A = Ca, Sr, Ba; B = Ti). Applied Physics A: Materials Science and Processing, 2021, 127, 1.	2.0	1
113	AC susceptibility investigation of YBCO superconductor added by carbon nanotubes. Journal of Alloys and Compounds, 2020, 812, 152150.	5.5	74
114	Effect of thulium substitution on conductivity and dielectric belongings of nanospinel cobalt ferrite. Journal of Rare Earths, 2020, 38, 1103-1113.	4.8	22
115	Co-substitution of zirconium and neodymium on hyperfine interactions and AC susceptibility of SrFe <sub>12</sub> O <sub>19</sub> nanohexaferrites. Journal of Rare Earths, 2020, 38, 265-273.	4.8	8
116	Microstructure, magnetic and optical properties of Nb <sup>3+</sup> and Y <sup>3+</sup> ions co-substituted Sr hexaferrites. Ceramics International, 2020, 46, 4610-4618.	4.8	35
117	Tb <sup>3+</sup> substituted strontium hexaferrites: Structural, magnetic and optical investigation and cation distribution. Journal of Rare Earths, 2020, 38, 402-410.	4.8	19
118	Jahn-Teller Distortions and Infield Superconductivity of CuTi-1223 Phase. Journal of Superconductivity and Novel Magnetism, 2020, 33, 331-336.	1.8	3
119	Synthesis and characterization of Co <sub>2</sub> Ni <sub>2</sub> MnCeFe <sub>2</sub> O <sub>4</sub> nanoparticles. Journal of Rare Earths, 2020, 38, 188-194.	4.8	33
120	Magnetic Behavior and Nutrient Content Analyses of Barley (Hordeum vulgare L.) Tissues upon CoNd <sub>0.2</sub> Fe <sub>1.8</sub> O <sub>4</sub> Magnetic Nanoparticle Treatment. Journal of Soil Science and Plant Nutrition, 2020, 20, 357-366.	3.4	14
121	Comparative study of sonochemically synthesized Co-Zr and Ni-Zr substituted Sr-hexaferrites: Magnetic and structural investigations. Journal of Magnetism and Magnetic Materials, 2020, 497, 165996.	2.3	24
122	Sonochemical synthesis of Dy <sup>3+</sup> substituted Mn <sub>0.5</sub> Zn <sub>0.5</sub> Fe <sub>2</sub> O <sub>4</sub> nanoparticles: Structural, magnetic and optical characterizations. Ultrasonics Sonochemistry, 2020, 61, 104836.	8.2	37
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130	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.	8.2	35
131	Exchange-coupling effect in hard/soft $SrTb_{0.01}Tm_{0.01}Fe_{11.98}O_{19}/AFe_2O_4$ (where A = Co, Ni, Zn, Cu and) $T_j$ $ETQ_{0.1}$ $0.784314$ $rgB_{10}^{10}$	4.8	30
132	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.	5.8	33
133	Customized magnetic properties of $(Mn_{0.5}Zn_{0.5})[Eu_xNd_{2-2x}]O_4$ nanospinel ferrites synthesized via ultrasonic irradiation approach. <i>Results in Physics</i> , 2020, 19, 103350.	4.1	26
134	Synthesis and characterization of electrospun $Ni_{1-x}Mn_xFe_2O_4$ nanospinel ferrites. $Co_{0.5}Ni_{0.5}Fe_2O_4$ nanospinel ferrites. <i>Journal of Materials Research and Technology</i> , 2020, 9, 10608-10623.	3.5	11
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137	Microstructure, dielectric and microwave features of $[Ni_{0.4}Cu_{0.2}Zn_{0.4}](Fe_{2-x}Tb_x)O_4$ ( $x \approx 0.1$ ) nanospinel ferrites. <i>Journal of Materials Research and Technology</i> , 2020, 9, 10608-10623.	5.8	25
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149	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.	5.7	52
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158	Investigation of structural and physical properties of Eu <sup>3+</sup> ions substituted Ni <sub>0.4</sub> Cu <sub>0.2</sub> Zn <sub>0.4</sub> Fe <sub>2</sub> O <sub>4</sub> spinel ferrite nanoparticles prepared via sonochemical approach. Results in Physics, 2020, 17, 103061.	4.1	99
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169	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> , 2020, 9, 5858-5870.	5.8	102
170	Synthesis of Ni <sub>0.5</sub> Co <sub>0.5-x</sub> Cd <sub>x</sub> Fe <sub>1.78</sub> Nd <sub>0.02</sub> O <sub>4</sub> (x = 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.	3.5	26
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240	AC susceptibility study of Cu substituted BaFe <sub>12</sub> O <sub>19</sub> nanohexaferrites. <i>Ceramics International</i> , 2018, 44, 13097-13105.	4.8	34
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245	Comparative study of electrical transport and magnetic measurements of Y <sub>3</sub> Ba <sub>5</sub> Cu <sub>8</sub> O <sub>18</sub> ± $\delta$ and YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> ± $\delta$ compounds: intragranular and intergranular superconducting properties. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	2.3	29
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