

Lawrence Kumar

List of Publications by Year in descending order

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25
papers

1,152
citations

567281

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642732

23
g-index

26
all docs

26
docs citations

26
times ranked

1149
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic properties and hyperthermia action of cobalt zinc ferrite fibers. Journal of Sol-Gel Science and Technology, 2022, 101, 546-561.	2.4	5
2	Effect of different operating conditions on the conversion efficiency of triple-junction solar cell. Materials Research Express, 2021, 8, 035902.	1.6	3
3	Modification in crystal structure of copper ferrite fiber by annealing and its hyperthermia application. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	2.3	8
4	Optimization of structure-property relationships in nickel ferrite nanoparticles annealed at different temperature. Journal of Physics and Chemistry of Solids, 2021, 151, 109928.	4.0	105
5	Optimization of magnetic properties and hyperthermia study on soft magnetic nickel ferrite fiber. Physica B: Condensed Matter, 2021, 621, 413280.	2.7	10
6	Magnetically separable graphene oxide-based spinel ferrite nanocomposite for water remediation. , 2021, , 559-573.		0
7	Nanotechnology-based filtration membranes for removal of pollutants from drinking water. , 2021, , 231-251.		0
8	A simplified simulation model of silicon photovoltaic modules for performance evaluation at different operating conditions. Optik, 2020, 204, 164228.	2.9	14
9	Effect of annealing temperature on morphology and magnetic properties of cobalt ferrite nanofibers. Materials Research Express, 2019, 6, 1250a3.	1.6	13
10	Optimization of dielectric properties of PVDF/CFO nanocomposites. Polymer Composites, 2019, 40, 1239-1250.	4.6	20
11	Strain induced magnetism and superexchange interaction in Cr substituted nanocrystalline cobalt ferrite. Materials Chemistry and Physics, 2018, 211, 54-64.	4.0	38
12	High-Temperature Magnetic Behaviour of 10 % Aluminium-Substituted Cobalt Ferrite. Journal of Superconductivity and Novel Magnetism, 2017, 30, 1629-1634.	1.8	4
13	Structural and magnetic properties of nanocrystalline yttrium substituted cobalt ferrite synthesized by the citrate precursor technique. Advanced Powder Technology, 2015, 26, 213-223.	4.1	57
14	Structural Analysis By Rietveld Method And Its Correlation With Optical Propertis Of Nanocrystalline Zinc Oxide. Advanced Materials Letters, 2015, 6, 139-147.	0.6	56
15	Effect of Ho ³⁺ substitution on the cation distribution, crystal structure and magnetocrystalline anisotropy of nanocrystalline cobalt ferrite. Journal of Experimental Nanoscience, 2014, 9, 362-374.	2.4	31
16	Low Temperature and High Magnetic Field Dependence and Magnetic Properties of Nanocrystalline Cobalt Ferrite. Journal of Superconductivity and Novel Magnetism, 2014, 27, 1677-1681.	1.8	44
17	Non-linear behavior of coercivity to the maximum applied magnetic field in La substituted nanocrystalline cobalt ferrite. Physica B: Condensed Matter, 2014, 448, 38-42.	2.7	4
18	Rietveld analysis of XRD patterns of different sizes of nanocrystalline cobalt ferrite. International Nano Letters, 2013, 3, 1.	5.0	195

#	ARTICLE	IF	CITATIONS
19	Effect of non-magnetic substitution on the structural and magnetic properties of spinel cobalt ferrite (CoFe ₂ Al _x O ₄) ceramics. Journal of Materials Science: Materials in Electronics, 2013, 24, 2706-2715.	2.2	24
20	Influence of Mn substitution on crystal structure and magnetocrystalline anisotropy of nanocrystalline Co _{1-x} Mn _x Fe ₂ Mn ₂ O ₄ . Applied Nanoscience (Switzerland), 2013, 3, 75-82.	3.1	32
21	Cation distribution by Rietveld technique and magnetocrystalline anisotropy of Zn substituted nanocrystalline cobalt ferrite. Journal of Alloys and Compounds, 2013, 551, 72-81.	5.5	115
22	Effect of La ³⁺ substitution on the structural and magnetocrystalline anisotropy of nanocrystalline cobalt ferrite (CoFe ₂ La _x O ₄). Ceramics International, 2012, 38, 4771-4782.	4.8	149
23	Effect of Annealing Temperature and Preparation Condition on Magnetic Anisotropy in Nanocrystalline Cobalt Ferrite. IEEE Transactions on Magnetics, 2011, 47, 3645-3648.	2.1	41
24	Influence of Al ³⁺ ion concentration on the crystal structure and magnetic anisotropy of nanocrystalline spinel cobalt ferrite. Journal of Magnetism and Magnetic Materials, 2011, 323, 2042-2048.	2.3	157
25	Appearance of Superparamagnetic Phase Below Curie Temperature in Cobalt Chromite Nanoparticles. Nanoscience and Nanotechnology Letters, 2009, 1, 199-203.	0.4	20