

Lawrence Kumar

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1541910/publications.pdf>

Version: 2024-02-01

25
papers

1,152
citations

567281

15
h-index

642732

23
g-index

26
all docs

26
docs citations

26
times ranked

1149
citing authors

#	ARTICLE	IF	CITATIONS
1	Rietveld analysis of XRD patterns of different sizes of nanocrystalline cobalt ferrite. <i>International Nano Letters</i> , 2013, 3, 1.	5.0	195
2	Influence of Al ³⁺ ion concentration on the crystal structure and magnetic anisotropy of nanocrystalline spinel cobalt ferrite. <i>Journal of Magnetism and Magnetic Materials</i> , 2011, 323, 2042-2048.	2.3	157
3	Effect of La ³⁺ substitution on the structural and magnetocrystalline anisotropy of nanocrystalline cobalt ferrite (CoFe ₂ ~La O ₄). <i>Ceramics International</i> , 2012, 38, 4771-4782.	4.8	149
4	Cation distribution by Rietveld technique and magnetocrystalline anisotropy of Zn substituted nanocrystalline cobalt ferrite. <i>Journal of Alloys and Compounds</i> , 2013, 551, 72-81.	5.5	115
5	Optimization of structure-property relationships in nickel ferrite nanoparticles annealed at different temperature. <i>Journal of Physics and Chemistry of Solids</i> , 2021, 151, 109928.	4.0	105
6	Structural and magnetic properties of nanocrystalline yttrium substituted cobalt ferrite synthesized by the citrate precursor technique. <i>Advanced Powder Technology</i> , 2015, 26, 213-223.	4.1	57
7	Structural Analysis By Rietveld Method And Its Correlation With Optical Propertis Of Nanocrystalline Zinc Oxide. <i>Advanced Materials Letters</i> , 2015, 6, 139-147.	0.6	56
8	Low Temperature and High Magnetic Field Dependence and Magnetic Properties of Nanocrystalline Cobalt Ferrite. <i>Journal of Superconductivity and Novel Magnetism</i> , 2014, 27, 1677-1681.	1.8	44
9	Effect of Annealing Temperature and Preparation Condition on Magnetic Anisotropy in Nanocrystalline Cobalt Ferrite. <i>IEEE Transactions on Magnetics</i> , 2011, 47, 3645-3648.	2.1	41
10	Strain induced magnetism and superexchange interaction in Cr substituted nanocrystalline cobalt ferrite. <i>Materials Chemistry and Physics</i> , 2018, 211, 54-64.	4.0	38
11	Influence of Mn substitution on crystal structure and magnetocrystalline anisotropy of nanocrystalline Co _{1-x} Mn _x Fe _{2-2x} Mn _{2x} O ₄ . <i>Applied Nanoscience (Switzerland)</i> , 2013, 3, 75-82.	3.1	32
12	Effect of Ho ³⁺ substitution on the cation distribution, crystal structure and magnetocrystalline anisotropy of nanocrystalline cobalt ferrite. <i>Journal of Experimental Nanoscience</i> , 2014, 9, 362-374.	2.4	31
13	Effect of non-magnetic substitution on the structural and magnetic properties of spinel cobalt ferrite (CoFe ₂ ~xAl _x O ₄) ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 2706-2715.	2.2	24
14	Optimization of dielectric properties of PVDF~CFO nanocomposites. <i>Polymer Composites</i> , 2019, 40, 1239-1250.	4.6	20
15	Appearance of Superparamagnetic Phase Below Curie Temperature in Cobalt Chromite Nanoparticles. <i>Nanoscience and Nanotechnology Letters</i> , 2009, 1, 199-203.	0.4	20
16	A simplified simulation model of silicon photovoltaic modules for performance evaluation at different operating conditions. <i>Optik</i> , 2020, 204, 164228.	2.9	14
17	Effect of annealing temperature on morphology and magnetic properties of cobalt ferrite nanofibers. <i>Materials Research Express</i> , 2019, 6, 1250a3.	1.6	13
18	Optimization of magnetic properties and hyperthermia study on soft magnetic nickel ferrite fiber. <i>Physica B: Condensed Matter</i> , 2021, 621, 413280.	2.7	10

#	ARTICLE	IF	CITATIONS
19	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
20	Magnetic properties and hyperthermia action of cobalt zinc ferrite fibers. Journal of Sol-Gel Science and Technology, 2022, 101, 546-561.	2.4	5
21	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
22	High-Temperature Magnetic Behaviour of 10 % Aluminium-Substituted Cobalt Ferrite. Journal of Superconductivity and Novel Magnetism, 2017, 30, 1629-1634.	1.8	4
23	Effect of different operating conditions on the conversion efficiency of triple-junction solar cell. Materials Research Express, 2021, 8, 035902.	1.6	3
24	Magnetically separable graphene oxide-based spinel ferrite nanocomposite for water remediation. , 2021, , 559-573.		0
25	Nanotechnology-based filtration membranes for removal of pollutants from drinking water. , 2021, , 231-251.		0