

Muhammad Atif

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

1,000
citations

759233

12
h-index

839539

18
g-index

18
all docs

18
docs citations

18
times ranked

1099
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal-semiconductor transition in NiFe ₂ O ₄ nanoparticles due to reverse cationic distribution by impedance spectroscopy. Journal of Applied Physics, 2011, 109, .	2.5	200
2	Magnetization of sol-gel prepared zinc ferrite nanoparticles: Effects of inversion and particle size. Solid State Communications, 2006, 138, 416-421.	1.9	191
3	Studies on the magnetic, magnetostrictive and electrical properties of sol-gel synthesized Zn doped nickel ferrite. Journal of Alloys and Compounds, 2011, 509, 5720-5724.	5.5	163
4	Investigation on the structural, dielectric and impedance analysis of manganese substituted cobalt ferrite i.e., Co _{1-x} Mn _x Fe ₂ O ₄ (0.0 ≤ x ≤ 0.4). RSC Advances, 2016, 6, 20876-20885.	3.6	97
5	Synthesis and investigation of structural, magnetic and dielectric properties of zinc substituted cobalt ferrites. Journal of Physics and Chemistry of Solids, 2018, 123, 36-42.	4.0	68
6	Interplay between the cation distribution and production methods in cobalt ferrite. Materials Chemistry and Physics, 2012, 132, 832-838.	4.0	67
7	Sol-gel synthesis of nanocrystalline Zn _{1-x} Ni _x Fe ₂ O ₄ ceramics and its structural, magnetic and dielectric properties. Journal of Sol-Gel Science and Technology, 2014, 72, 615-626.	2.4	42
8	Field-controlled magnetoelectric core-shell CoFe ₂ O ₄ @BaTiO ₃ nanoparticles as effective drug carriers and drug release in vitro. Materials Science and Engineering C, 2021, 119, 111444.	7.3	42
9	Colossal resistivity with diminished tangent loss in Zn-Ni ferrite nanoparticles. Journal Physics D: Applied Physics, 2011, 44, 345402.	2.8	35
10	Improved magnetostriction of Fe ₇₂ Ga ₂₈ boron doped alloys. Journal of Applied Physics, 2011, 109, 07A934.	2.5	22
11	Cation distribution and enhanced surface effects on the temperature-dependent magnetization of as-prepared NiFe ₂ O ₄ nanoparticles. Applied Physics A: Materials Science and Processing, 2015, 120, 571-578.	2.3	19
12	Synthesis and temperature dependent magnetic properties of nanocrystalline Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ ferrites. Materials Research Express, 2019, 6, 076104.	1.6	18
13	Effect of cation distribution on the structural and dielectric properties of Ni _{0.5-x} Co _x Zn _{0.5} Fe ₂ O ₄ (0.0 ≤ x ≤ 0.5) ferrites. Journal of Materials Science: Materials in Electronics, 2020, 31, 10970-10980.		
14	Biocompatibility and cytotoxicity in vitro of surface-functionalized drug-loaded spinel ferrite nanoparticles. Beilstein Journal of Nanotechnology, 2021, 12, 1339-1364.	2.8	9
15	Unusual semiconductor-metal-semiconductor transitions in magnetite Fe ₃ O ₄ nanoparticles. RSC Advances, 2022, 12, 12344-12354.	3.6	6
16	Effect of Magnesium Substitution on Structural, Magnetic and Biological Activity of Co(1-x)Mg(x)Fe ₂ O ₄ Nano-colloids. Journal of Cluster Science, 2021, 32, 1003-1014.	3.3	5
17	Impedance spectroscopy, ferroelectric and optical properties of cobalt-doped Zn _{1-x} Co _x O nanoparticles. Journal of Materials Science: Materials in Electronics, 2020, 31, 5253-5261.	2.2	4
18	Synthesis of polymer coated Co _{0.5} Zn _{0.5} Fe ₂ O ₄ nanoparticles and their enhanced anticancer activity against HepG2 cell line. Materials Research Express, 2018, 5, 056103.	1.6	3