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**Fabrication of coreshell CoFe₂O₄@HAp nanoparticles:
a novel magnetic platform for biomedical applications**

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#	Paper	IF	Citations
37	Hydroxyapatite-CoFe ₂ O ₄ Magnetic Nanoparticle Composites for Industrial Enzyme Immobilization, Use, and Recovery. <i>ACS Applied Nano Materials</i> , 2020 , 3, 12334-12345	5.6	9
36	Eco-Friendly Synthesis, Crystal Chemistry, and Magnetic Properties of Manganese-Substituted CoFeO Nanoparticles. <i>ACS Omega</i> , 2020 , 5, 19315-19330	3.9	22
35	Electrochemiluminescence sensing platform based on functionalized poly-(styrene-co-maleicanhydride) nanocrystals and iron doped hydroxyapatite for CYFRA 21-1 immunoassay. <i>Sensors and Actuators B: Chemical</i> , 2020 , 321, 128454	8.5	11
34	Magnetic CoFe ₂ O ₄ nanoparticles doped with metal ions: A review. <i>Ceramics International</i> , 2020 , 46, 18391-18414	3.1	12
33	On enhancement and control of green emission of rare earth co-doped hydroxyapatite nanoparticles: synthesis and upconversion luminescence properties. <i>New Journal of Chemistry</i> , 2021 , 45, 751-760	3.6	2
32	Antibacterial and antibiofilm activities of silver-decorated zinc ferrite nanoparticles synthesized by a gamma irradiation-coupled sol-gel method against some pathogenic bacteria from medical operating room surfaces.. <i>RSC Advances</i> , 2021 , 11, 28361-28374	3.7	10
31	Synthesis of Superparamagnetic Zinc Ferrite Encased Fluorapatite Nanoparticles and Its Cytotoxicity Effects on MG-63 Cells. <i>Journal of Cluster Science</i> , 1	3	0
30	Copper based on diamionaphthalene-coated magnetic nanoparticles as robust catalysts for catalytic oxidation reactions and C-S cross-coupling reactions.. <i>RSC Advances</i> , 2021 , 11, 9366-9380	3.7	5
29	Synthesis and applications of surface-modified magnetic nanoparticles: progress and future prospects. <i>Reviews in Chemical Engineering</i> , 2019 ,	5	5
28	Structural, optical, and magnetic properties of nanostructured Ag-substituted Co-Zn ferrites: insights on anticancer and antiproliferative activities. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 12383-12401	2.1	3
27	Fabrication of Nd and Yb doped NIR emitting nano fluorescent probe: A candidate for bioimaging applications. <i>Materials Science and Engineering C</i> , 2021 , 125, 112095	8.3	1
26	Structural characterization and investigation of magneto-optic and multiferroic properties of nanostructured CoFe ₂ O ₄ prepared by sol-gel derived facile chemical route. <i>Materials Today: Proceedings</i> , 2021 ,	1.4	1
25	Structural diversity and applications of spinel ferrite core - Shell nanostructures- A review. <i>Open Ceramics</i> , 2021 , 8, 100179	3.3	2
24	Tailoring the structural, optical and multiferroic properties of low temperature synthesized cobalt ferrite nanomaterials, by citrate precursor method. <i>Materials Today: Proceedings</i> , 2021 , 46, 6527-6533	1.4	3
23	Impact of doping Gd ³⁺ +rare earth ion on structural, magnetic, and optical properties of cobalt and nickel ferrite nanomaterials. <i>Applied Physics A: Materials Science and Processing</i> , 2021 , 127, 1	2.6	0
22	High heating efficiency of interactive cobalt ferrite nanoparticles. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2020 , 11, 045005	1.6	1
21	Structural, Optical and Magnetic Properties of Cobalt Ferrite Nanomaterials, Synthesized by a Green Technological Approach Using Lemon Juice. <i>Lecture Notes in Mechanical Engineering</i> , 2022 , 249-261	0.4	0

20	Retrievable magnetic copper ferrite nanoparticles: an efficient catalyst for air oxidative cyclization of bisnaphthols. <i>Research on Chemical Intermediates</i> , 2022 , 48, 1331	2.8	
19	Promising solar photodegradation of RY 86 by hydrophilic F127 (pluronic) aided nano cobalt ferrite and its biomedical applications. <i>Journal of Molecular Liquids</i> , 2022 , 350, 118530	6	1
18	Fabrication and characterization of superparamagnetic nickel ferrite ferrofluid. <i>Materials Today: Proceedings</i> , 2022 ,	1.4	
17	Aminopropyltriethoxysilane (APTES)-Modified Nanohydroxyapatite (nHAp) Incorporated with Iron Oxide (IO) Nanoparticles Promotes Early Osteogenesis, Reduces Inflammation and Inhibits Osteoclast Activity.. <i>Materials</i> , 2022 , 15,	3.5	1
16	Efficient oil/water separation using grass-like nano-cobalt oxide bioinspired dual-structured coated mesh filters. <i>Surfaces and Interfaces</i> , 2022 , 30, 101825	4.1	1
15	Surface-modified CoFe ₂ O ₄ nanoparticles using Folate-Chitosan for cytotoxicity Studies, hyperthermia applications and Positive/Negative contrast of MRI. <i>Journal of Magnetism and Magnetic Materials</i> , 2022 , 554, 169282	2.8	1
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13	Magnetic properties, magnetocaloric effect, and critical behaviors in Co _{1-x} CrxFe ₂ O ₄ . <i>RSC Advances</i> , 2022 , 12, 17362-17378	3.7	0
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- 1 Promising photocatalytic and antimicrobial activity of novel capsaicin coated cobalt ferrite nanocatalyst. **2023**, 13,