

# Rafaqat Hussain

## List of Publications by Year in descending order

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Version: 2024-02-01

50  
papers

1,760  
citations

331538

21  
h-index

276775

41  
g-index

52  
all docs

52  
docs citations

52  
times ranked

2718  
citing authors

#	ARTICLE	IF	CITATIONS
1	Extracting hydroxyapatite and its precursors from natural resources. <i>Journal of Materials Science</i> , 2014, 49, 1461-1475.	1.7	309
2	Electrospun fibers for tissue engineering, drug delivery, and wound dressing. <i>Journal of Materials Science</i> , 2013, 48, 3027-3054.	1.7	256
3	In-vitro characterization of antibacterial bioactive glass containing ceria. <i>Ceramics International</i> , 2014, 40, 729-737.	2.3	97
4	Bioactive Glass: An <i>In-Vitro</i> Comparative Study of Doping with Nanoscale Copper and Silver Particles. <i>International Journal of Applied Glass Science</i> , 2014, 5, 255-266.	1.0	91
5	Structural characterization, optical properties and in vitro bioactivity of mesoporous erbium-doped hydroxyapatite. <i>Journal of Alloys and Compounds</i> , 2015, 645, 478-486.	2.8	79
6	Dipcoating of poly ( $\mu$ -caprolactone)/hydroxyapatite composite coating on Ti6Al4V for enhanced corrosion protection. <i>Surface and Coatings Technology</i> , 2014, 245, 102-107.	2.2	75
7	Nickel-Cobalt Layered Double Hydroxide Anchored Zinc Oxide Nanowires grown on Carbon Fiber Cloth for High-Performance Flexible Pseudocapacitive Energy Storage Devices. <i>Electrochimica Acta</i> , 2014, 129, 28-32.	2.6	60
8	Synthesis, characterization, in vitro bioactivity and antimicrobial activity of magnesium and nickel doped silicate hydroxyapatite. <i>Ceramics International</i> , 2015, 41, 11886-11898.	2.3	57
9	<i>In-Vitro</i> study of nano-sized zinc doped bioactive glass. <i>Materials Chemistry and Physics</i> , 2013, 137, 1031-1038.	2.0	53
10	Microwave assisted synthesis of nano sized sulphate doped hydroxyapatite. <i>Materials Research Bulletin</i> , 2013, 48, 2106-2110.	2.7	50
11	Antibacterial polylactic acid/chitosan nanofibers decorated with bioactive glass. <i>Applied Surface Science</i> , 2016, 387, 1-7.	3.1	45
12	Continuous microwave flow synthesis (CMFS) of nano-sized tin oxide: Effect of precursor concentration. <i>Ceramics International</i> , 2016, 42, 8613-8619.	2.3	42
13	Continuous microwave flow synthesis of mesoporous hydroxyapatite. <i>Materials Science and Engineering C</i> , 2015, 56, 356-362.	3.8	40
14	Electrophoretic deposition of PVA coated hydroxyapatite on 316L stainless steel. <i>Current Applied Physics</i> , 2012, 12, 755-759.	1.1	38
15	Injectable magnesium-doped brushite cement for controlled drug release application. <i>Journal of Materials Science</i> , 2016, 51, 7427-7439.	1.7	38
16	Rapid synthesis of thermally stable hydroxyapatite. <i>Ceramics International</i> , 2012, 38, 457-462.	2.3	32
17	Fabrication of ZnV <sub>2</sub> O <sub>6</sub> nanostructures: Their energy storage and PL properties. <i>Materials Letters</i> , 2015, 155, 15-17.	1.3	31
18	Strontium doped injectable bone cement for potential drug delivery applications. <i>Materials Science and Engineering C</i> , 2017, 80, 93-101.	3.8	31

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19	Fabrication of $V_2O_5$ super long nanobelts: optical, in situ electrical and field emission properties. <i>New Journal of Chemistry</i> , 2015, 39, 5197-5202.	1.4	30
20	Surface modification of yttria stabilized zirconia via polydopamine inspired coating for hydroxyapatite biomineralization. <i>Applied Surface Science</i> , 2014, 322, 169-176.	3.1	25
21	Novel $Zn_2VO_7$ hierarchical nanostructures: Optical and hydrogen storage properties. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 9359-9364.	3.8	23
22	Barium and Fluorine Doped Synthetic Hydroxyapatite: Characterization and <i>In-Vitro</i> Bioactivity Analysis. <i>Science of Advanced Materials</i> , 2015, 7, 249-257.	0.1	22
23	Continuous microwave flow synthesis and characterization of nanosized tin oxide. <i>Materials Letters</i> , 2015, 160, 146-149.	1.3	21
24	Injectable dicalcium phosphate bone cement prepared from biphasic calcium phosphate extracted from lamb bone. <i>Materials Science and Engineering C</i> , 2019, 103, 109863.	3.8	21
25	Quinone-rich polydopamine functionalization of yttria stabilized zirconia for apatite biomineralization: The effects of coating temperature. <i>Applied Surface Science</i> , 2015, 346, 317-328.	3.1	19
26	Synthesis, characterization and optical properties of chromium doped $\beta$ -Tricalcium phosphate. <i>Ceramics International</i> , 2015, 41, 1663-1669.	2.3	18
27	Continuous microwave flow synthesis (CMFS) of nanosized titania: Structural, optical and photocatalytic properties. <i>Materials Letters</i> , 2015, 158, 95-98.	1.3	14
28	Synthesis, characterization and in vitro study of magnetic biphasic calcium sulfate-bioactive glass. <i>Materials Science and Engineering C</i> , 2015, 53, 29-35.	3.8	14
29	Microwave assisted synthesis and characterization of magnesium substituted calcium phosphate bioceramics. <i>Materials Science and Engineering C</i> , 2015, 56, 286-293.	3.8	13
30	Enhanced antibacterial activity of size-controlled silver and polyethylene glycol functionalized silver nanoparticles. <i>Chemical Papers</i> , 2021, 75, 743-752.	1.0	13
31	Highly effective visible light-activated cobalt-doped $TiO_2$ nanoparticles for antibacterial coatings against <i>Campylobacter jejuni</i> . <i>Applied Nanoscience (Switzerland)</i> , 2020, 10, 1005-1012.	1.6	11
32	The Fabrication and Characterization of PCL/Rice Husk Derived Bioactive Glass-Ceramic Composite Scaffolds. <i>Journal of Nanomaterials</i> , 2014, 2014, 1-9.	1.5	10
33	Mesoporous silica prepared via a green route: a comparative study for the removal of crystal violet from wastewater. <i>Materials Research Express</i> , 2021, 8, 015005.	0.8	10
34	Synthesis and Characterization of $rGO/Ag_2O$ Nanocomposite and its Use for Catalytic Reduction of 4-Nitrophenol and Photocatalytic Activity. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021, 31, 100-111.	1.9	8
35	Mixed Metal Oxide Composites Synthesis and Energy Storage Related Applications. <i>Current Nanomaterials</i> , 2018, 3, 18-25.	0.2	6
36	LIBS analysis of hydroxyapatite extracted from bovine bone for Ca/P ratio measurements. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	5

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37	Porous clinoptilolite nano biphasic calcium phosphate scaffolds loaded with human dental pulp stem cells for load bearing orthopedic applications. <i>Biomedical Materials (Bristol)</i> , 2019, 14, 055010.	1.7	5
38	In vitro sustained release of gallic acid from the size-controlled PEGylated magnetite nanoparticles. <i>Chemical Papers</i> , 2021, 75, 5339-5352.	1.0	5
39	Bactericidal and in vitro osteogenic activity of nano sized cobalt-doped silicate hydroxyapatite. <i>Ceramics International</i> , 2022, 48, 28231-28239.	2.3	5
40	Effect of reactant concentration on the physicochemical properties of nanosized titania synthesized by microwave-assisted continuous flow method. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 10449-10456.	1.1	4
41	Effect of homogeneous acidic catalyst on mechanical strength of trishydrazone hydrogels: Characterization and optimization studies. <i>Arabian Journal of Chemistry</i> , 2018, 11, 635-644.	2.3	4
42	Study of the effect of microwave holding time on the physicochemical properties of titanium oxide. <i>Materials Research Express</i> , 2019, 6, 085041.	0.8	4
43	Evaluation of structural, electrical and magnetic properties of nanosized unary, binary and ternary particles of Fe <sub>3</sub> O <sub>4</sub> , SnO <sub>2</sub> and TiO <sub>2</sub> . <i>Chemical Papers</i> , 2021, 75, 2625-2638.	1.0	4
44	Copper vanadate nanowires-based MIS capacitors: synthesis, characterization, and their electrical charge storage applications. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	0.8	3
45	Continuous facile synthesis of nano-sized zinc oxide and its optical properties. <i>Materials Research Express</i> , 2018, 5, 075901.	0.8	3
46	Microwave Augmented Fabrication and Evaluation of CNT-Reinforced Nanohydroxyapatite. <i>Advanced Materials Research</i> , 0, 326, 110-120.	0.3	2
47	Effect of pH on the morphology of magnetite nanoparticles for adsorption of Cr(VI) ions from aqueous medium. <i>Journal of Dispersion Science and Technology</i> , 2023, 44, 1770-1777.	1.3	1
48	<i>IN VITRO</i> THROMBIN DOSE RESPONSE ON MADIN DARBY CANINE KIDNEY CELL MONOLAYER. <i>Nano</i> , 2011, 06, 333-336.	0.5	0
49	Antibacterial Properties of Bioactive Glasses. , 2017, , 357-382.		0
50	Nanostructured Materials for the Realization of Electrochemical Energy Storage and Conversion Devices. <i>Advances in Chemical and Materials Engineering Book Series</i> , 2014, , 376-413.	0.2	0