

Rafaqat Hussain

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

51
papers

1,324
citations

20
h-index

36
g-index

52
ext. papers

1,543
ext. citations

4
avg, IF

4.65
L-index

#	Paper	IF	Citations
51	In vitro sustained release of gallic acid from the size-controlled PEGylated magnetite nanoparticles. <i>Chemical Papers</i> , 2021 , 75, 5339-5352	1.9	0
50	Synthesis and Characterization of rGO/Ag ₂ O 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	3.2	2
49	Enhanced antibacterial activity of size-controlled silver and polyethylene glycol functionalized silver nanoparticles. <i>Chemical Papers</i> , 2021 , 75, 743-752	1.9	5
48	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	1.7	4
47	Evaluation of structural, electrical and magnetic properties of nanosized unary, binary and ternary particles of Fe ₃ O ₄ , SnO ₂ and TiO ₂ . <i>Chemical Papers</i> , 2021 , 75, 2625-2638	1.9	1
46	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	3.3	7
45	Injectable dicalcium phosphate bone cement prepared from biphasic calcium phosphate extracted from lamb bone. <i>Materials Science and Engineering C</i> , 2019 , 103, 109863	8.3	8
44	Study of the effect of microwave holding time on the physicochemical properties of titanium oxide. <i>Materials Research Express</i> , 2019 , 6, 085041	1.7	2
43	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	3.5	2
42	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	5.9	2
41	Continuous facile synthesis of nano-sized zinc oxide and its optical properties. <i>Materials Research Express</i> , 2018 , 5, 075901	1.7	3
40	Mixed Metal Oxide Composites Synthesis and Energy Storage Related Applications. <i>Current Nanomaterials</i> , 2018 , 3, 18-25	1.3	5
39	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	2.1	2
38	Antibacterial Properties of Bioactive Glasses 2017 , 357-382		
37	Nanohydrogels: History, Development, and Applications in Drug Delivery 2017 , 297-330		9
36	Strontium doped injectable bone cement for potential drug delivery applications. <i>Materials Science and Engineering C</i> , 2017 , 80, 93-101	8.3	20
35	LIBS analysis of hydroxyapatite extracted from bovine bone for Ca/P ratio measurements 2017 ,		1

34	Injectable magnesium-doped brushite cement for controlled drug release application. <i>Journal of Materials Science</i> , 2016 , 51, 7427-7439	4.3	28
33	Antibacterial polylactic acid/chitosan nanofibers decorated with bioactive glass. <i>Applied Surface Science</i> , 2016 , 387, 1-7	6.7	32
32	Continuous microwave flow synthesis (CMFS) of nano-sized tin oxide: Effect of precursor concentration. <i>Ceramics International</i> , 2016 , 42, 8613-8619	5.1	28
31	Continuous microwave flow synthesis (CMFS) of nanosized titania: Structural, optical and photocatalytic properties. <i>Materials Letters</i> , 2015 , 158, 95-98	3.3	12
30	Synthesis, characterization, in vitro bioactivity and antimicrobial activity of magnesium and nickel doped silicate hydroxyapatite. <i>Ceramics International</i> , 2015 , 41, 11886-11898	5.1	40
29	Novel Zn ₂ V ₂ O ₇ hierarchical nanostructures: Optical and hydrogen storage properties. <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 9359-9364	6.7	21
28	Continuous microwave flow synthesis of mesoporous hydroxyapatite. <i>Materials Science and Engineering C</i> , 2015 , 56, 356-62	8.3	29
27	Synthesis, characterization and in vitro study of magnetic biphasic calcium sulfate-bioactive glass. <i>Materials Science and Engineering C</i> , 2015 , 53, 29-35	8.3	8
26	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	6.7	13
25	Fabrication of ZnV ₂ O ₆ nanostructures: Their energy storage and PL properties. <i>Materials Letters</i> , 2015 , 155, 15-17	3.3	23
24	Fabrication of V ₂ O ₅ super long nanobelts: optical, in situ electrical and field emission properties. <i>New Journal of Chemistry</i> , 2015 , 39, 5197-5202	3.6	27
23	Microwave assisted synthesis and characterization of magnesium substituted calcium phosphate bioceramics. <i>Materials Science and Engineering C</i> , 2015 , 56, 286-93	8.3	12
22	Continuous microwave flow synthesis and characterization of nanosized tin oxide. <i>Materials Letters</i> , 2015 , 160, 146-149	3.3	19
21	Synthesis, characterization and optical properties of chromium doped Tricalcium phosphate. <i>Ceramics International</i> , 2015 , 41, 1663-1669	5.1	16
20	Structural characterization, optical properties and in vitro bioactivity of mesoporous erbium-doped hydroxyapatite. <i>Journal of Alloys and Compounds</i> , 2015 , 645, 478-486	5.7	55
19	Barium and Fluorine Doped Synthetic Hydroxyapatite: Characterization and In-Vitro Bioactivity Analysis. <i>Science of Advanced Materials</i> , 2015 , 7, 249-257	2.3	17
18	NickelCobalt 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	6.7	51
17	Surface modification of yttria stabilized zirconia via polydopamine inspired coating for hydroxyapatite biomineralization. <i>Applied Surface Science</i> , 2014 , 322, 169-176	6.7	19

16	Bioactive Glass: An In-Vitro Comparative Study of Doping with Nanoscale Copper and Silver Particles. <i>International Journal of Applied Glass Science</i> , 2014 , 5, 255-266	1.8	71
15	Dipcoating of poly (ε-caprolactone)/hydroxyapatite composite coating on Ti6Al4V for enhanced corrosion protection. <i>Surface and Coatings Technology</i> , 2014 , 245, 102-107	4.4	65
14	The Fabrication and Characterization of PCL/Rice Husk Derived Bioactive Glass-Ceramic Composite Scaffolds. <i>Journal of Nanomaterials</i> , 2014 , 2014, 1-9	3.2	9
13	In-vitro characterization of antibacterial bioactive glass containing ceria. <i>Ceramics International</i> , 2014 , 40, 729-737	5.1	75
12	Extracting hydroxyapatite and its precursors from natural resources. <i>Journal of Materials Science</i> , 2014 , 49, 1461-1475	4.3	213
11	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	
10	Copper vanadate nanowires-based MIS capacitors: synthesis, characterization, and their electrical charge storage applications. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	2
9	Electrospun fibers for tissue engineering, drug delivery, and wound dressing. <i>Journal of Materials Science</i> , 2013 , 48, 3027-3054	4.3	226
8	Microwave assisted synthesis of nano sized sulphate doped hydroxyapatite. <i>Materials Research Bulletin</i> , 2013 , 48, 2106-2110	5.1	38
7	In vitro study of nano-sized zinc doped bioactive glass. <i>Materials Chemistry and Physics</i> , 2013 , 137, 1031-1038	4.4	40
6	Electrophoretic deposition of PVA coated hydroxyapatite on 316L stainless steel. <i>Current Applied Physics</i> , 2012 , 12, 755-759	2.6	31
5	Rapid synthesis of thermally stable hydroxyapatite. <i>Ceramics International</i> , 2012 , 38, 457-462	5.1	28
4	Microwave Augmented Fabrication and Evaluation of CNT-Reinforced Nanohydroxyapatite. <i>Advanced Materials Research</i> , 2011 , 326, 110-120	0.5	2
3	IN VITRO THROMBIN DOSE RESPONSE ON MADIN DARBY CANINE KIDNEY CELL MONOLAYER. <i>Nano</i> , 2011 , 06, 333-336	1.1	
2	Structural and Thermal Stability of Microwave Synthesized Nano-Hydroxyapatite		1
1	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> , 1-8	1.5	