

# Brijnandan S Dehiya

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

445  
citations

840776

11  
h-index

752698

20  
g-index

31  
all docs

31  
docs citations

31  
times ranked

530  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparative study of chitosan and chitosan-gelatin scaffold for tissue engineering. <i>International Nano Letters</i> , 2017, 7, 285-290.	5.0	52
2	Effects of surfactant on the structural and magnetic properties of hydrothermally synthesized NiFe <sub>2</sub> O <sub>4</sub> nanoparticles. <i>Materials Chemistry and Physics</i> , 2018, 218, 70-76.	4.0	50
3	Role of non-functionalized oxide nanoparticles on mechanical properties and toughening mechanisms of epoxy nanocomposites. <i>Ceramics International</i> , 2021, 47, 22316-22344.	4.8	45
4	Fabrication and in-vitro biocompatibility of freeze-dried CTS-nHA and CTS-nBG scaffolds for bone regeneration applications. <i>International Journal of Biological Macromolecules</i> , 2020, 149, 1-10.	7.5	36
5	Comprehensive Survey on Nanobiomaterials for Bone Tissue Engineering Applications. <i>Nanomaterials</i> , 2020, 10, 2019.	4.1	34
6	VO <sub>2</sub> (M)@CeO <sub>2</sub> core-shell nanospheres for thermochromic smart windows and photocatalytic applications. <i>Ceramics International</i> , 2020, 46, 986-995.	4.8	31
7	Synthesis and characterization of nHA-PEG and nBG-PEG scaffolds for hard tissue engineering applications. <i>Ceramics International</i> , 2019, 45, 8370-8379.	4.8	28
8	Influence of anionic and non-ionic surfactants on the synthesis of core-shell Fe <sub>3</sub> O <sub>4</sub> @TiO <sub>2</sub> nanocomposite synthesized by hydrothermal method. <i>Ceramics International</i> , 2020, 46, 23516-23525.	4.8	19
9	Fabrication and characterization of silver nanorods incorporated calcium silicate scaffold using polymeric sponge replica technique. <i>Materials and Design</i> , 2020, 195, 109026.	7.0	18
10	Phase modulation in nanocrystalline vanadium di-oxide (VO <sub>2</sub> ) nanostructures using citric acid via one pot hydrothermal method. <i>Ceramics International</i> , 2019, 45, 18452-18461.	4.8	17
11	Effects of severe plastic deformation by ECAP on the microstructure and mechanical properties of a commercial copper alloy. <i>Materials Research Express</i> , 2019, 6, 116570.	1.6	15
12	Microstructure And Photo-catalytic Dye Degradation Of Silver- Silica Nano Composites Synthesised By Sol-gel Method. <i>Advanced Materials Letters</i> , 2013, 4, 317-322.	0.6	15
13	Removal of Cr (VI) from aqueous solution using VO <sub>2</sub> (B) nanoparticles. <i>Chemical Physics Letters</i> , 2020, 739, 136934.	2.6	11
14	Ibuprofen-Loaded CTS/nHA/nBG Scaffolds for the Applications of Hard Tissue Engineering. <i>Iranian Biomedical Journal</i> , 2019, 23, 190-199.	0.7	10
15	Fast removal of heavy metals from water and soil samples using magnetic Fe <sub>3</sub> O <sub>4</sub> nanoparticles. <i>Environmental Science and Pollution Research</i> , 2021, 28, 3942-3952.	5.3	9
16	Magnetic and optical properties of green synthesized nickel ferrite nanoparticles and its application into photocatalysis. <i>Nanotechnology</i> , 2021, 32, 505725.	2.6	9
17	Development and properties study of microstructure silver-doped silica nanocomposites by chemical process. <i>Journal of Alloys and Compounds</i> , 2014, 583, 550-553.	5.5	8
18	Evaluating the influence of various routes on micro-structure and mechanical properties of AA-6063 after equal channel angular pressing. <i>Materials Research Express</i> , 2019, 6, 0865f9.	1.6	5

#	ARTICLE	IF	CITATIONS
19	Synthesis and electrochemical properties of Ge <sup>4+</sup> ions-modified VO <sub>2</sub> (paramontroseite). Journal of Materials Science: Materials in Electronics, 2020, 31, 3795-3802.	2.2	5
20	A Statistical Method to Predict the Hardness and Grain Size After Equal Channel Angular Pressing of AA-6063 with Intermediate Annealing. Arabian Journal for Science and Engineering, 2021, 46, 2055-2070.	3.0	5
21	Polyethylene Glycol (PEG) Modified Porous Ca <sub>5</sub> (PO <sub>4</sub> ) <sub>2</sub> SiO <sub>4</sub> Bioceramics: Structural, Morphologic and Bioactivity Analysis. Coatings, 2020, 10, 538.	2.6	4
22	Magnetic core-shell Fe <sub>3</sub> O <sub>4</sub> @TiO <sub>2</sub> nanocomposites for broad spectrum antibacterial applications. IET Nanobiotechnology, 2021, 15, 301-308.	3.8	3
23	Synthesis and Characterization of Nano Bioglass for the Application of Bone Tissue Engineering. Journal of Nanoscience and Technology, 2018, 4, 471-474.	0.3	3
24	Ibuprofen-Loaded CTS/nHA/nBG Scaffolds for the Applications of Hard Tissue Engineering. Iranian Biomedical Journal, 2019, 23, 190-9.	0.7	3
25	Effect of surfactant on hydrothermal synthesis of VO <sub>2</sub> (B) nanostructures for energy saving applications. AIP Conference Proceedings, 2019, , .	0.4	2
26	Study of phase changes induced by gamma irradiation in welded stainless steel alloys 304 and 316. Materials Today: Proceedings, 2021, 47, 6545-6545.	1.8	2
27	Magnetically recyclable copper doped core-shell Fe <sub>3</sub> O <sub>4</sub> @TiO <sub>2</sub> @Cu nanocomposites for wastewater remediation. Environmental Technology (United Kingdom), 2022, 43, 4484-4492.	2.2	2
28	Micro-Plasma Assisted Synthesis of ZnO Nanosheets for the Efficient Removal of Cr <sup>6+</sup> from the Aqueous Solution. Crystals, 2021, 11, 2.	2.2	2
29	Hydrothermal synthesis, spectroscopic, optical and electrochemical characterization of vanadium dioxide nanostructures. AIP Conference Proceedings, 2019, , .	0.4	1
30	Green synthesis of silver nanoparticles using Grevillea robusta. AIP Conference Proceedings, 2019, , .	0.4	1
31	Silver-doped strontium calcium silicate microspheres: Structural and antibacterial studies. AIP Conference Proceedings, 2019, , .	0.4	0