

# 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	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
2	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
3	Fast removal of heavy metals from water and soil samples using magnetic Fe <sub>3</sub> O <sub>4</sub> nanoparticles. Environmental Science and Pollution Research, 2021, 28, 3942-3952.	5.3	9
4	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
5	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
6	Role of non-functionalized oxide nanoparticles on mechanical properties and toughening mechanisms of epoxy nanocomposites. Ceramics International, 2021, 47, 22316-22344.	4.8	45
7	Magnetic and optical properties of green synthesized nickel ferrite nanoparticles and its application into photocatalysis. Nanotechnology, 2021, 32, 505725.	2.6	9
8	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
9	VO <sub>2</sub> (M)@CeO <sub>2</sub> core-shell nanospheres for thermochromic smart windows and photocatalytic applications. Ceramics International, 2020, 46, 986-995.	4.8	31
10	Removal of Cr (VI) from aqueous solution using VO <sub>2</sub> (B) nanoparticles. Chemical Physics Letters, 2020, 739, 136934.	2.6	11
11	Fabrication and in-vitro biocompatibility of freeze-dried CTS-nHA and CTS-nBG scaffolds for bone regeneration applications. International Journal of Biological Macromolecules, 2020, 149, 1-10.	7.5	36
12	Fabrication and characterization of silver nanorods incorporated calcium silicate scaffold using polymeric sponge replica technique. Materials and Design, 2020, 195, 109026.	7.0	18
13	Comprehensive Survey on Nanobiomaterials for Bone Tissue Engineering Applications. Nanomaterials, 2020, 10, 2019.	4.1	34
14	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
15	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. Ceramics International, 2020, 46, 23516-23525.	4.8	19
16	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
17	Effects of severe plastic deformation by ECAP on the microstructure and mechanical properties of a commercial copper alloy. Materials Research Express, 2019, 6, 116570.	1.6	15
18	Silver-doped strontium calcium silicate microspheres: Structural and antibacterial studies. AIP Conference Proceedings, 2019, , .	0.4	0

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19	Effect of surfactant on hydrothermal synthesis of VO <sub>2</sub> (B) nanostructures for energy saving applications. AIP Conference Proceedings, 2019, , .	0.4	2
20	Hydrothermal synthesis, spectroscopic, optical and electrochemical characterization of vanadium dioxide nanostructures. AIP Conference Proceedings, 2019, , .	0.4	1
21	Green synthesis of silver nanoparticles using Grevillea robusta. AIP Conference Proceedings, 2019, , .	0.4	1
22	Synthesis and characterization of nHA-PEG and nBG-PEG scaffolds for hard tissue engineering applications. Ceramics International, 2019, 45, 8370-8379.	4.8	28
23	Phase modulation in nanocrystalline vanadium di-oxide (VO <sub>2</sub> ) nanostructures using citric acid via one pot hydrothermal method. Ceramics International, 2019, 45, 18452-18461.	4.8	17
24	Evaluating the influence of various routes on micro-structure and mechanical properties of AA-6063 after equal channel angular pressing. Materials Research Express, 2019, 6, 0865f9.	1.6	5
25	Ibuprofen-Loaded CTS/nHA/nBG Scaffolds for the Applications of Hard Tissue Engineering. Iranian Biomedical Journal, 2019, 23, 190-199.	0.7	10
26	Ibuprofen-Loaded CTS/nHA/nBG Scaffolds for the Applications of Hard Tissue Engineering. Iranian Biomedical Journal, 2019, 23, 190-9.	0.7	3
27	Effects of surfactant on the structural and magnetic properties of hydrothermally synthesized NiFe <sub>2</sub> O <sub>4</sub> nanoparticles. Materials Chemistry and Physics, 2018, 218, 70-76.	4.0	50
28	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
29	Comparative study of chitosan and chitosan-gelatin scaffold for tissue engineering. International Nano Letters, 2017, 7, 285-290.	5.0	52
30	Development and properties study of microstructure silver-doped silica nanocomposites by chemical process. Journal of Alloys and Compounds, 2014, 583, 550-553.	5.5	8
31	Microstructure And Photo-catalytic Dye Degradation Of Silver- Silica Nano Composites Synthesised By Sol-gel Method. Advanced Materials Letters, 2013, 4, 317-322.	0.6	15