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List of Publications by Year
in descending order

35	580	567281 15	677142 22
papers	citations	h-index	g-index

36	36	36	578
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Recent advances in natural polymer-based hydroxyapatite scaffolds: Properties and applications. European Polymer Journal, 2021, 148, 110360.	5.4	73
2	Synthesis and evaluation of the structural, optical, and antibacterial properties of copper oxide nanoparticles. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	49
3	Fabrication and characterization of porous scaffolds for bone replacements using gum tragacanth. Materials Science and Engineering C, 2019, 96, 487-495.	7.3	39
4	Tailoring the morphological features of solâ€“gel synthesized mesoporous hydroxyapatite using fatty acids as an organic modifier. RSC Advances, 2019, 9, 6228-6240.	3.6	38
5	Fabrication of reduced graphene oxide/CeO2 nanocomposite for enhanced electrochemical performance. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	29
6	Porous hydroxyapatite scaffolds for orthopedic and dental applications - the role of binders. Materials Today: Proceedings, 2016, 3, 1672-1677.	1.8	24
7	Tailoring the structural, morphological, optical, thermal and dielectric characteristics of ZnO nanoparticles using starch as a capping agent. Results in Physics, 2019, 15, 102543.	4.1	24
8	Exploring the thumbprints of Ag-hydroxyapatite composite as a surface coating bone material for the implants. Journal of Materials Research and Technology, 2020, 9, 12824-12833.	5.8	20
9	Photocatalytic Efficiency of Titanium Dioxide for Dyes and Heavy Metals Removal from Wastewater. Bulletin of Chemical Reaction Engineering and Catalysis, 2022, 17, 430-450.	1.1	19
10	Drug Leaching Properties of Vancomycin Loaded Mesoporous Hydroxyapatite as Bone Substitutes. Processes, 2019, 7, 826.	2.8	18
11	Microwave synthesis of hydroxyapatite encumbered with ascorbic acid intended for drug leaching studies. Materials Research Innovations, 2020, 24, 171-178.	2.3	18
12	Photocatalytic activity and antibacterial efficacy of titanium dioxide nanoparticles mediated by Myristica fragrans seed extract. Chemical Physics Letters, 2021, 771, 138527.	2.6	18
13	Exploration of the antibacterial capacity and ethanol sensing ability of Cu-TiO₂ nanoparticles. Journal of Experimental Nanoscience, 2020, 15, 337-349.	2.4	16
14	Synthesis, characterization, and photocatalytic activity of PPy/SnO2 nanocomposite. Chemical Physics Letters, 2021, 783, 139051.	2.6	16
15	Facile synthesis of silver nanoparticles using Averrhoa bilimbi L and Plum extracts and investigation on the synergistic bioactivity using in vitro models. Green Processing and Synthesis, 2019, 8, 873-884.	3.4	15
16	Bio-fabrication of pigment-capped silver nanoparticles encountering antibiotic-resistant strains and their cytotoxic effect towards human epidermoid larynx carcinoma (HEp-2) cells. RSC Advances, 2019, 9, 15874-15886.	3.6	15
17	Exploration of gum ghatti-modified porous scaffolds for bone tissue engineering applications. New Journal of Chemistry, 2020, 44, 2389-2401.	2.8	14
18	Enhanced photocatalytic degradation efficiency of graphitic carbon nitride-loaded CeO2 nanoparticles. Chemical Physics Letters, 2021, 769, 138441.	2.6	14

#	Article	IF	Citations
19	Cu-Doped SnO₂ Nanoparticles: Synthesis and Properties. Journal of Nanoscience and Nanotechnology, 2019, 19, 7139-7148.	0.9	13
20	Comparative studies on structural, optical, and biological properties of SnO₂ and Ni-doped SnO₂ nanocrystals. Materials Research Express, 2019, 6, 125099.	1.6	12
21	Bone tissue engineering potentials of 3D printed magnesiumâ€hydroxyapatite in polylactic acid composite scaffolds. Artificial Organs, 2021, 45, 1501-1512.	1.9	12
22	Enhanced gas sensing and photocatalytic activity of reduced graphene oxide loaded TiO2 nanoparticles. Chemical Physics Letters, 2021, 780, 138897.	2.6	12
23	Mechanistic anticarcinogenic efficacy of phytofabricated gold nanoparticles on human lung adenocarcinoma cells. Journal of Experimental Nanoscience, 2020, 15, 160-173.	2.4	10
24	Nanostructured Polymer Biocomposites: Pharmaceutical Applications. , 2019, , 227-259.		8
25	Surfactant Assisted Hydroxyapatite Nanoparticles: Drug Loading and In Vitro Leaching Kinetics and Antimicrobial Properties. Journal of Nanoscience and Nanotechnology, 2019, 19, 7198-7204.	0.9	8
26	Eucalyptus Concoction Mediated Synthesis of Gold Nanoparticles and Its Bioactive Role Explored via Antimicrobial and Cytotoxic Studies. Journal of Nanoscience and Nanotechnology, 2020, 20, 6326-6333.	0.9	7
27	Synthesis, characterization, and electrical properties of alkali earth metal-doped bioceramics. Materials Chemistry and Physics, 2020, 249, 123141.	4.0	7
28	Hydrothermal Synthesis and Photocatalytic Activity of NiO Nanoparticles under Visible Light Illumination. Bulletin of Chemical Reaction Engineering and Catalysis, 2022, 17, 340-349.	1.1	7
29	Facile fabrication of Au-loaded CdO nanoconstructs with tuned properties for photocatalytic and biomedical applications. Journal of Nanostructure in Chemistry, 2021, 11, 561-572.	9.1	6
30	Synthesis of Iron Oxide@Pt Coreâ€“Shell Nanoparticles for Reductive Conversion of Cr(VI) to Cr(III) and Antibacterial Studies. Journal of Nanoscience and Nanotechnology, 2020, 20, 918-923.	0.9	5
31	Comparative studies of the biological efficacies of Ag and Ag-MgO nanocomposite formed by the green synthesis route. Inorganic Chemistry Communication, 2022, 135, 109082.	3.9	5
32	Exploring the binding effect of a seaweed-based gum in the fabrication of hydroxyapatite scaffolds for biomedical applications. Materials Research Innovations, 2020, 24, 75-81.	2.3	4
33	Star fruit extract-mediated green synthesis of metal oxide nanoparticles. Inorganic and Nano-Metal Chemistry, 2022, 52, 173-180.	1.6	2
34	Development of porous guar gum-hydroxyapatite composite scaffolds via freeze-drying method. Materials Today: Proceedings, 2021, 47, 1119-1122.	1.8	1
35	Biocompatible silver incorporated hydroxyapatite; synthesis, characteristics for biomedical application. AIP Conference Proceedings, 2020, , .	0.4	1