Sanjukta Deb

List of Publications by Year
in descending order

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Version: 2024-02-01

59 papers	1,340 citations	279798 23 h-index	377865 34 g-index
60 all docs	60 docs citations	60 times ranked	1775 citing authors

#	Article	IF	Citations
1	Pre-warming of dental composites. Dental Materials, 2011, 27, e51-e59.	3.5	101
2	Radiopacity in bone cements using an organo-bismuth compound. Biomaterials, 2002, 23, 3387-3393.	11.4	66
3	A porous scaffold for bone tissue engineering/45S5 BioglassÂ® derived porous scaffolds for co-culturing osteoblasts and endothelial cells. Journal of Materials Science: Materials in Medicine, 2010, 21, 893-905.	3.6	64
4	Green synthetic routes to alginate-graphene oxide composite hydrogels with enhanced physical properties for bioengineering applications. European Polymer Journal, 2018, 103, 198-206.	5.4	58
5	Development of high-viscosity, two-paste bioactive bone cements. Biomaterials, 2005, 26, 3713-3718.	11.4	57
6	A comparative study of the properties of dental resin composites polymerized with plasma and halogen light. Dental Materials, 2003, 19, 517-522.	3.5	50
7	In vitro osteoinductive potential of porous monetite for bone tissue engineering. Journal of Tissue Engineering, 2014, 5, 204173141453657.	5.5	49
8	The synthesis of nano silver-graphene oxide system and its efficacy against endodontic biofilms using a novel tooth model. Dental Materials, 2019, 35, 1614-1629.	3.5	47
9	A novel method of forming micro- and macroporous monetite cements. Journal of Materials Chemistry B, 2013, 1, 958-969.	5.8	46
10	Tissue engineering technology and its possible applications in oral and maxillofacial surgery. British Journal of Oral and Maxillofacial Surgery, 2014, 52, 7-15.	0.8	42
11	The effect of cross-linking agents on acrylic bone cements containing radiopacifiers. Biomaterials, 2001, 22, 2177-2181.	11.4	37
12	Influence of a polymerizable eugenol derivative on the antibacterial activity and wettability of a resin composite for intracanal post cementation and core build-up restoration. Dental Materials, 2016, 32, 929-939.	3.5	37
13	The effect of strontium oxide in glass-ionomer cements. Journal of Materials Science: Materials in Medicine, 1999, 10, 471-474.	3.6	36
14	The effect of chelation of sodium alginate with osteogenic ions, calcium, zinc, and strontium. Journal of Biomaterials Applications, 2019, 34, 573-584.	2.4	36
15	Synthesis of irregular graphene oxide tubes using green chemistry and their potential use as reinforcement materials for biomedical applications. PLoS ONE, 2017, 12, e0185235.	2.5	33
16	Magnetic Nanoparticles in Bone Tissue Engineering. Nanomaterials, 2022, 12, 757.	4.1	31
17	The effect of surface treatment of hydroxyapatite on the properties of a bioactive bone cement. Journal of Materials Science: Materials in Medicine, 2004, 15, 413-418.	3.6	27
18	Self-assembled monolayers of alendronate on Ti6Al4V alloy surfaces enhance osteogenesis in mesenchymal stem cells. Scientific Reports, 2016, 6, 30548.	3.3	27

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19	Evaluation of dental adhesive systems incorporating an antibacterial monomer eugenyl methacrylate (EgMA) for endodontic restorations. Dental Materials, 2017, 33, e239-e254.	3.5	27
20	The role of new zinc incorporated monetite cements on osteogenic differentiation of human mesenchymal stem cells. Materials Science and Engineering C, 2017, 78, 485-494.	7.3	26
21	Eugenol functionalized poly(acrylic acid) derivatives in the formation of glass-ionomer cements. Dental Materials, 2008, 24, 1709-1716.	3.5	25
22	Effect of molecular weight and concentration of poly(acrylic acid) on the formation of a polymeric calcium phosphate cement. Journal of Materials Science: Materials in Medicine, 2003, 14, 747-752.	3.6	24
23	Phosphate based 2-hydroxyethyl methacrylate hydrogels for biomedical applications. Journal of Materials Chemistry, 2011, 21, 2237-2245.	6.7	24
24	PMMA bone cement containing a quaternary amine comonomer with potential antibacterial properties. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2008, 85B, 130-139.	3.4	22
25	A Novel Etchant System for Orthodontic Bracket Bonding. Scientific Reports, 2019, 9, 9579.	3.3	22
26	Poly(acrylic acid) modified calcium phosphate cements: the effect of the composition of the cement powder and of the molecular weight and concentration of the polymeric acid. Journal of Materials Science: Materials in Medicine, 2007, 18, 1883-1888.	3.6	21
27	Water absorption characteristics and cytotoxic and biological evaluation of bone cements formulated with a novel activator. , 1999, 48, 719-725.		20
28	Biomaterials in Relation to Dentistry. Frontiers of Oral Biology, 2015, 17, 1-12.	1.5	20
29	Evaluation of the effects of polishing systems on surface roughness and morphology of dental composite resin. British Dental Journal, 2020, 228, 527-532.	0.6	17
30	Ex vivo investigations on bioinspired electrospun membranes as potential biomaterials for bone regeneration. Journal of Dentistry, 2020, 98, 103359.	4.1	17
31	Structural changes and biological responsiveness of an injectable and mouldable monetite bone graft generated by a facile synthetic method. Journal of the Royal Society Interface, 2014, 11, 20140727.	3.4	16
32	Designing dapsone polymer conjugates for controlled drug delivery. Acta Biomaterialia, 2015, 27, 32-41.	8.3	16
33	A resin composite material containing an eugenol derivative for intracanal post cementation and core build-up restoration. Dental Materials, 2016, 32, 149-160.	3.5	14
34	An in vitro assessment of the physical properties of manually- mixed and encapsulated glass-ionomer cements. BDJ Open, 2020, 6, 12.	2.1	14
35	Fatigue and fracture toughness of acrylic bone cements modified with long-chain amine activators. Journal of Biomedical Materials Research Part B, 2003, 67A, 571-577.	3.1	13
36	Design and synthesis of three-dimensional hydrogel scaffolds for intervertebral disc repair. Journal of Materials Chemistry, 2012, 22, 10725.	6.7	12

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37	Antimicrobial Effectiveness of Calcium Silicate Sealers against a Nutrient-Stressed Multispecies Biofilm. Journal of Clinical Medicine, 2020, 9, 2722.	2.4	12
38	Physicochemical characterization of hydrogels based on polyvinyl alcohol-vinyl acetate blends. Journal of Applied Polymer Science, 2001, 82, 3578-3590.	2.6	11
39	Semi-interpenetrating network composites reinforced with Kevlar fibers for dental post fabrication. Dental Materials Journal, 2019, 38, 511-521.	1.8	11
40	A novel acrylic copolymer for a poly(alkenoate) glass-ionomer cement. Journal of Materials Science: Materials in Medicine, 2003, 14, 575-581.	3.6	10
41	In vitro bond strengths post thermal and fatigue load cycling of sapphire brackets bonded with self-etch primer and evaluation of enamel damage. Journal of Clinical and Experimental Dentistry, 2020, 12, e22-e30.	1.2	10
42	Resistance of bonded premolars to four artificial ageing models post enamel conditioning with a novel calcium-phosphate paste. Journal of Clinical and Experimental Dentistry, 2020, 12, e317-e326.	1.2	10
43	Evaluation of a Î²-Calcium Metaphosphate Bone Graft Containing Bone Morphogenetic Protein-7 in Rabbit Maxillary Defects. Journal of Periodontology, 2014, 85, 298-307.	3.4	9
44	Combinatorial design of calcium meta phosphate poly(vinyl alcohol) bone-like biocomposites. Journal of Materials Science: Materials in Medicine, 2018, 29, 128.	3.6	9
45	Dual polymer networks: a new strategy in expanding the repertoire of hydrogels for biomedical applications. Journal of Materials Science: Materials in Medicine, 2019, 30, 114.	3.6	8
46	Bis[2-(Methacryloyloxy) Ethyl] Phosphate as a Primer for Enamel and Dentine. Journal of Dental Research, 2021, 100, 1081-1089.	5.2	8
47	The effect of curing with plasma light on the shrinkage of dental restorative materials. Journal of Oral Rehabilitation, 2003, 30, 723-728.	3.0	7
48	An integrated multifunctional hybrid cement (pRMGIC) for dental applications. Dental Materials, 2019, 35, 636-649.	3.5	6
49	An In Vitro Assessment of Gutta-Percha Coating of New Carrier-Based Root Canal Fillings. Scientific World Journal, The, 2014, 2014, 1-6.	2.1	5
50	Antimicrobials in Dentistry. Applied Sciences (Switzerland), 2021, 11, 3279.	2.5	5
51	In vitro bond strengths post thermal and fatigue load cycling of sapphire brackets bonded with self-etch primer and evaluation of enamel damage. Journal of Clinical and Experimental Dentistry, 2020, 12, e22-e30.	1.2	5
52	New functional and aesthetic composite materials used as an alternative to traditional post materials for the restoration of endodontically treated teeth. Journal of Dentistry, 2015, 43, 1308-1315.	4.1	4
53	Porosity, Micro-Hardness and Morphology of White and Gray Portland Cements in Relation to Their Potential in the Development of New Dental Filling Materials. Journal of Adhesion Science and Technology, 2012, 26, 19-26.	2.6	3
54	Ex vivo detection and quantification of apically extruded volatile compounds and disinfection by-products by SIFT-MS, during chemomechanical preparation of infected root canals. Dental Materials, 2020, 36, 257-269.	3.5	3

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55	A laboratory study to assess the formation of effluent volatile compounds and disinfection byâ€products during chemomechanical preparation of infected root canals and application of activated carbon for their removal. International Endodontic Journal, 2021, 54, 601-615.	5.0	3
56	A multi-functional dentine bonding system combining a phosphate monomer with eugenyl methacrylate. Dental Materials, 2022, 38, 1030-1043.	3.5	3
57	Dual Network Composites of Poly(vinyl alcohol)-Calcium Metaphosphate/Alginate with Osteogenic Ions for Bone Tissue Engineering in Oral and Maxillofacial Surgery. Bioengineering, 2021, 8, 107.	3.5	2
58	In-vitro adhesive and interfacial analysis of a phosphorylated resin polyalkenoate cement bonded to dental hard tissues.. Journal of Dentistry, 2022, 118, 104050.	4.1	2
59	Composite bone substitutes with osteogenic ions for oral and maxillofacial surgery. International Journal of Oral and Maxillofacial Surgery, 2019, 48, 55.	1.5	0