Ensanya Ali Abou Neel

List of Publications by Year
in descending order

72 papers	3,600 citations	218381 26 h-index	133063 59 g-index
72 all docs	72 docs citations	72 times ranked	4706 citing authors

#	Article	IF	Citations
1	Demineralization–remineralization dynamics in teeth and bone. International Journal of Nanomedicine, 2016, Volume 11, 4743-4763.	3.3	433
2	Bioactive functional materials: a perspective on phosphate-based glasses. Journal of Materials Chemistry, 2009, 19, 690-701.	6.7	289
3	Silica-based mesoporous nanoparticles for controlled drug delivery. Journal of Tissue Engineering, 2013, 4, 204173141350335.	2.3	256
4	Collagen â€" Emerging collagen based therapies hit the patient. Advanced Drug Delivery Reviews, 2013, 65, 429-456.	6.6	249
5	Use of multiple unconfined compression for control of collagen gel scaffold density and mechanical properties. Soft Matter, 2006, 2, 986.	1.2	179
6	Tissue engineering in dentistry. Journal of Dentistry, 2014, 42, 915-928.	1.7	167
7	Antimicrobial Galliumâ€Doped Phosphateâ€Based Glasses. Advanced Functional Materials, 2008, 18, 732-741.	7.8	161
8	Bioactive calcium phosphateâ€"based glasses and ceramics and their biomedical applications: A review. Journal of Tissue Engineering, 2017, 8, 204173141771917.	2.3	149
9	Structure and properties of strontium-doped phosphate-based glasses. Journal of the Royal Society Interface, 2009, 6, 435-446.	1.5	135
10	Controlled delivery of antimicrobial gallium ions from phosphate-based glasses. Acta Biomaterialia, 2009, 5, 1198-1210.	4.1	108
11	In vitro bioactivity and gene expression by cells cultured on titanium dioxide doped phosphate-based glasses. Biomaterials, 2007, 28, 2967-2977.	5.7	106
12	Controlled Microchannelling in Dense Collagen Scaffolds by Soluble Phosphate Glass Fibers. Biomacromolecules, 2007, 8, 543-551.	2.6	103
13	Effect of increasing titanium dioxide content on bulk and surface properties of phosphate-based glasses. Acta Biomaterialia, 2008, 4, 523-534.	4.1	88
14	The effect of composition on the structure of sodium borophosphate glasses. Journal of Non-Crystalline Solids, 2008, 354, 3671-3677.	1.5	87
15	Nanotechnology in dentistry: prevention, diagnosis, and therapy. International Journal of Nanomedicine, 2015, 10, 6371.	3.3	85
16	Hydroxyapatite, fluor-hydroxyapatite and fluorapatite produced via the solâ€"gel method: dissolution behaviour and biological properties after crystallisation. Journal of Materials Science: Materials in Medicine, 2014, 25, 47-53.	1.7	62
17	Development of remineralizing, antibacterial dental materials. Acta Biomaterialia, 2009, 5, 2525-2539.	4.1	60
18	Development of dental composites with reactive fillers that promote precipitation of antibacterial-hydroxyapatite layers. Materials Science and Engineering C, 2016, 60, 285-292.	3.8	58

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19	Effect of surface treatment on the bioactivity of nickelâ€“titanium. Acta Biomaterialia, 2008, 4, 1969-1984.	4.1	52
20	Processing, characterisation, and biocompatibility of zinc modified metaphosphate based glasses for biomedical applications. Journal of Materials Science: Materials in Medicine, 2008, 19, 1669-1679.	1.7	50
21	Doping of a high calcium oxide metaphosphate glass with titanium dioxide. Journal of Non-Crystalline Solids, 2009, 355, 991-1000.	1.5	50
22	Sodium Hypochlorite Irrigation and Its Effect on Bond Strength to Dentin. BioMed Research International, 2017, 2017, 1-8.	0.9	44
23	Strontium oxide doped quaternary glasses: effect on structure, degradation and cytocompatibility. Journal of Materials Science: Materials in Medicine, 2009, 20, 1339-1346.	1.7	40
24	Titanium and Strontium-doped Phosphate Glasses as Vehicles for Strontium Ion Delivery to Cells. Journal of Biomaterials Applications, 2011, 25, 877-893.	1.2	30
25	A Facile Synthesis Route to Prepare Microtubes from Phosphate Glass Fibres. Advanced Materials, 2007, 19, 2856-2862.	11.1	29
26	Physical properties and MAS-NMR studies of titanium phosphate-based glasses. Materials Chemistry and Physics, 2010, 120, 68-74.	2.0	28
27	Biomedical Applications of Clay. Australian Journal of Chemistry, 2013, 66, 1315.	0.5	28
28	Viscoelastic and biological performance of low-modulus, reactive calcium phosphate-filled, degradable, polymeric bone adhesives. Acta Biomaterialia, 2012, 8, 313-320.	4.1	26
29	Chemical characterization of a degradable polymeric bone adhesive containing hydrolysable fillers and interpretation of anomalous mechanical properties. Acta Biomaterialia, 2009, 5, 2072-2083.	4.1	24
30	The effect of zinc and titanium on the structure of calciumâ€“sodium phosphate based glass. Journal of Non-Crystalline Solids, 2010, 356, 1319-1324.	1.5	23
31	Switching off angiogenic signalling: creating channelled constructs for adequate oxygen delivery in tissue engineered constructs. , 2010, 20, 274-281.		23
32	Ti K-edge XANES study of the local environment of titanium in bioresorbable TiO2â€“CaOâ€“Na2Oâ€“P2O5 glasses. Journal of Materials Science: Materials in Medicine, 2008, 19, 1681-1685.	1.7	21
33	Nanomechanical evaluation of nickelâ€“titanium surface properties after alkali and electrochemical treatments. Journal of the Royal Society Interface, 2008, 5, 1009-1022.	1.5	21
34	Biological performance of titania containing phosphate-based glasses for bone tissue engineering applications. Materials Science and Engineering C, 2014, 35, 307-313.	3.8	20
35	Control of surface free energy in titanium doped phosphate based glasses by coâ€doping with zinc. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2009, 89B, 392-407.	1.6	19
36	Quantifying effects of interactions between polyacrylic acid and chlorhexidine in dicalcium phosphate â€“ forming cements. Journal of Materials Chemistry B, 2014, 2, 1673-1680.	2.9	19

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37	Engineering stable topography in dense bio-mimetic 3D collagen scaffolds. , 2012, 23, 28-40.		19
38	Cell attachment and response to photocured, degradable bone adhesives containing tricalcium phosphate and purmorphamine. Acta Biomaterialia, 2011, 7, 2672-2677.	4.1	18
39	Quantification of crystalline phases and measurement of phosphate chain lengths in a mixed phase sample by 31P refocused INADEQUATE MAS NMR. Chemical Physics Letters, 2008, 455, 178-183.	1.2	15
40	In vitro studies on the influence of surface modification of Niâ€“Ti alloy on human bone cells. Journal of Biomedical Materials Research - Part A, 2010, 93A, 1596-1608.	2.1	15
41	Chemical, modulus and cell attachment studies of reactive calcium phosphate filler-containing fast photo-curing, surface-degrading, polymeric bone adhesives. Acta Biomaterialia, 2010, 6, 2695-2703.	4.1	15
42	Chemistry and Bioactivity of NeoMTA Plusâ„¢ versus MTA AngelusÂ® Root Repair Materials. Journal of Spectroscopy, 2017, 2017, 1-9.	0.6	15
43	Setting reaction of new bioceramic root canal sealers. Spectroscopy Letters, 2018, 51, 426-430.	0.5	15
44	In Vitro Biocompatibility and Mechanical Performance of Titanium Doped High Calcium Oxide Metaphosphate-Based Glasses. Journal of Tissue Engineering, 2010, 1, 390127.	2.3	14
45	Tailoring Cell Behavior on Polymers by the Incorporation of Titanium Doped Phosphate Glass Filler. Advanced Engineering Materials, 2010, 12, B298.	1.6	13
46	The future perspectives of natural materials for pulmonary drug delivery and lung tissue engineering. Expert Opinion on Drug Delivery, 2015, 12, 869-887.	2.4	13
47	Development of Conical Soluble Phosphate Glass Fibers for Directional Tissue Growth. Journal of Biomaterials Applications, 2012, 26, 733-744.	1.2	11
48	Morphological and Spectroscopic Study of an Apatite Layer Induced by Fast-Set Versus Regular-Set EndoSequence Root Repair Materials. Materials, 2019, 12, 3678.	1.3	11
49	Glass microparticleâ€•versus microsphereâ€filled experimental dental adhesives. Journal of Applied Polymer Science, 2019, 136, 47832.	1.3	10
50	Impaired bacterial attachment to light activated Niâ€“Ti alloy. Materials Science and Engineering C, 2010, 30, 225-234.	3.8	9
51	Identification of phases in partially crystallised Ti-, Sr- and Zn-containing sodium calcium phosphates by two-dimensional NMR. Materials Chemistry and Physics, 2009, 114, 1008-1015.	2.0	8
52	Root maturation and dentinâ€“pulp response to enamel matrix derivative in pulpotomized permanent teeth. Journal of Tissue Engineering, 2014, 5, 204173141452170.	2.3	8
53	Bonding of Clear Aligner Composite Attachments to Ceramic Materials: An In Vitro Study. Materials, 2022, 15, 4145.	1.3	8
54	Superfast Set, Strong and Less Degradable Mineral Trioxide Aggregate Cement. International Journal of Dentistry, 2017, 2017, 1-9.	0.5	6

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55	Antibacterial effect of titanium dioxide-doped phosphate glass microspheres filled total-etch dental adhesive on S. mutans biofilm. International Journal of Adhesion and Adhesives, 2021, 108, 102886.	1.4	6
56	Biomimetic dentin repair with a dual-analogue phosphate glass-polyacrylate paste: A proof-of-concept. Materials Chemistry and Physics, 2021, 266, 124539.	2.0	6
57	Setting kinetics and mechanical properties of flax fibre reinforced glass ionomer restorative materials. Journal of Biomedical Research, 2017, 31, 264.	0.7	6
58	Surface characterisation of various bone cements prepared with functionalised methacrylates/bioactive ceramics in relation to HOB behaviour. Acta Biomaterialia, 2006, 2, 143-154.	4.1	5
59	Mineralized nodule formation in primary osteoblasts culture in titanium doped phosphate glass and in-house prepared freeze dried demineralized bone extracts. Materials Chemistry and Physics, 2022, 276, 125425.	2.0	5
60	Biocompatibility and Antibacterial Action of Salvadora persica Extract as Intracanal Medication (In) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.3	5
61	Antibacterial, remineralising and matrix metalloproteinase inhibiting scandium-doped phosphate glasses for treatment of dental caries. Dental Materials, 2022, 38, 94-107.	1.6	4
62	Effect of root canal medications on maturation and calcification of root canal dentinâ€™ hydroxyapatite. Spectroscopy Letters, 2016, 49, 135-139.	0.5	3
63	Effects of dentin modifiers on surface and mechanical properties of acid-etched dentin. International Journal of Adhesion and Adhesives, 2018, 81, 43-47.	1.4	3
64	An Eggshell-Based Toothpaste as a Cost-Effective Treatment of Dentin Hypersensitivity. European Journal of Dentistry, 2021, 15, 733-740.	0.8	3
65	Antibacterial, remineralizing zinc oxide-doped phosphate-based glasses. Materials Letters, 2022, 306, 130813.	1.3	3
66	Effect of sodium hypochlorite on adhesive charactersitics of dentin: A systematic review of laboratory-based testing. International Journal of Adhesion and Adhesives, 2019, 95, 102419.	1.4	2
67	Remineralization potential and biocompatibility of titanium dioxide-doped phosphate glasses. Materials Letters, 2022, 309, 131456.	1.3	2
68	Brushite and Selfâ€Healing Flexible Polymerâ€<scp>M</scp>odified Brushite Bone Adhesives for Fibular Osteotomy Repair. Advanced Engineering Materials, 2014, 16, 218-230.	1.6	1
69	Surface topography and mechanical properties of flax fibres modified glass ionomer restorative materials. Journal of Biomedical Engineering and Informatics, 2015, 1, 82.	0.2	1
70	CHAPTER 7. Interfaces in Composite Materials. RSC Smart Materials, 2014, , 151-191.	0.1	0
71	Effect of Curcumin Suspension and Vitamin C on Dentin Shear Bond Strength and Durability. A Pilot Study. Open Dentistry Journal, 2021, 15, 540-546.	0.2	0
72	Odontogenic induction of human amniotic membrane scaffold for dental pulp regeneration. Materials Chemistry and Physics, 2022, 280, 125780.	2.0	0