

Ensanya Ali Abou Neel

List of Publications by Year in descending order

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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	Antibacterial, remineralizing zinc oxide-doped phosphate-based glasses. <i>Materials Letters</i> , 2022, 306, 130813.	1.3	3
2	Mineralized nodule formation in primary osteoblasts culture in titanium doped phosphate glass and in-house prepared freeze dried demineralized bone extracts. <i>Materials Chemistry and Physics</i> , 2022, 276, 125425.	2.0	5
3	Antibacterial, remineralising and matrix metalloproteinase inhibiting scandium-doped phosphate glasses for treatment of dental caries. <i>Dental Materials</i> , 2022, 38, 94-107.	1.6	4
4	Remineralization potential and biocompatibility of titanium dioxide-doped phosphate glasses. <i>Materials Letters</i> , 2022, 309, 131456.	1.3	2
5	Odontogenic induction of human amniotic membrane scaffold for dental pulp regeneration. <i>Materials Chemistry and Physics</i> , 2022, 280, 125780.	2.0	0
6	Biocompatibility and Antibacterial Action of <i>Salvadora persica</i> Extract as Intracanal Medication (In Tj ETQq0 0 0 rgBTj/Overlock 10 Tf 50	1.3	5
7	Bonding of Clear Aligner Composite Attachments to Ceramic Materials: An In Vitro Study. <i>Materials</i> , 2022, 15, 4145.	1.3	8
8	Antibacterial effect of titanium dioxide-doped phosphate glass microspheres filled total-etch dental adhesive on <i>S. mutans</i> biofilm. <i>International Journal of Adhesion and Adhesives</i> , 2021, 108, 102886.	1.4	6
9	Biomimetic dentin repair with a dual-analogue phosphate glass-polyacrylate paste: A proof-of-concept. <i>Materials Chemistry and Physics</i> , 2021, 266, 124539.	2.0	6
10	An Eggshell-Based Toothpaste as a Cost-Effective Treatment of Dentin Hypersensitivity. <i>European Journal of Dentistry</i> , 2021, 15, 733-740.	0.8	3
11	Effect of Curcumin Suspension and Vitamin C on Dentin Shear Bond Strength and Durability. A Pilot Study. <i>Open Dentistry Journal</i> , 2021, 15, 540-546.	0.2	0
12	Effect of sodium hypochlorite on adhesive charactersitics of dentin: A systematic review of laboratory-based testing. <i>International Journal of Adhesion and Adhesives</i> , 2019, 95, 102419.	1.4	2
13	Glass microparticleâ€versus microsphereâ€filled experimental dental adhesives. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47832.	1.3	10
14	Morphological and Spectroscopic Study of an Apatite Layer Induced by Fast-Set Versus Regular-Set EndoSequence Root Repair Materials. <i>Materials</i> , 2019, 12, 3678.	1.3	11
15	Effects of dentin modifiers on surface and mechanical properties of acid-etched dentin. <i>International Journal of Adhesion and Adhesives</i> , 2018, 81, 43-47.	1.4	3
16	Setting reaction of new bioceramic root canal sealers. <i>Spectroscopy Letters</i> , 2018, 51, 426-430.	0.5	15
17	Bioactive calcium phosphateâ€based glasses and ceramics and their biomedical applications: A review. <i>Journal of Tissue Engineering</i> , 2017, 8, 204173141771917.	2.3	149
18	Sodium Hypochlorite Irrigation and Its Effect on Bond Strength to Dentin. <i>BioMed Research International</i> , 2017, 2017, 1-8.	0.9	44

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19	Superfast Set, Strong and Less Degradable Mineral Trioxide Aggregate Cement. International Journal of Dentistry, 2017, 2017, 1-9.	0.5	6
20	Chemistry and Bioactivity of NeoMTA Plus [®] , [†] versus MTA Angelus [®] Root Repair Materials. Journal of Spectroscopy, 2017, 2017, 1-9.	0.6	15
21	Setting kinetics and mechanical properties of flax fibre reinforced glass ionomer restorative materials. Journal of Biomedical Research, 2017, 31, 264.	0.7	6
22	Demineralization–remineralization dynamics in teeth and bone. International Journal of Nanomedicine, 2016, Volume 11, 4743-4763.	3.3	433
23	Effect of root canal medications on maturation and calcification of root canal dentin [™] hydroxyapatite. Spectroscopy Letters, 2016, 49, 135-139.	0.5	3
24	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
25	Nanotechnology in dentistry: prevention, diagnosis, and therapy. International Journal of Nanomedicine, 2015, 10, 6371.	3.3	85
26	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
27	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
28	Brushite and Self-Healing Flexible Polymer [™] Modified Brushite Bone Adhesives for Fibular Osteotomy Repair. Advanced Engineering Materials, 2014, 16, 218-230.	1.6	1
29	CHAPTER 7. Interfaces in Composite Materials. RSC Smart Materials, 2014, , 151-191.	0.1	0
30	Hydroxyapatite, fluor-hydroxyapatite and fluorapatite produced via the sol-gel method: dissolution behaviour and biological properties after crystallisation. Journal of Materials Science: Materials in Medicine, 2014, 25, 47-53.	1.7	62
31	Quantifying effects of interactions between polyacrylic acid and chlorhexidine in dicalcium phosphate "forming cements. Journal of Materials Chemistry B, 2014, 2, 1673-1680.	2.9	19
32	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
33	Tissue engineering in dentistry. Journal of Dentistry, 2014, 42, 915-928.	1.7	167
34	Root maturation and dentin-pulp response to enamel matrix derivative in pulpotomized permanent teeth. Journal of Tissue Engineering, 2014, 5, 204173141452170.	2.3	8
35	Biomedical Applications of Clay. Australian Journal of Chemistry, 2013, 66, 1315.	0.5	28
36	Collagen " Emerging collagen based therapies hit the patient. Advanced Drug Delivery Reviews, 2013, 65, 429-456.	6.6	249

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37	Silica-based mesoporous nanoparticles for controlled drug delivery. Journal of Tissue Engineering, 2013, 4, 204173141350335.	2.3	256
38	Development of Conical Soluble Phosphate Glass Fibers for Directional Tissue Growth. Journal of Biomaterials Applications, 2012, 26, 733-744.	1.2	11
39	Viscoelastic and biological performance of low-modulus, reactive calcium phosphate-filled, degradable, polymeric bone adhesives. Acta Biomaterialia, 2012, 8, 313-320.	4.1	26
40	Engineering stable topography in dense bio-mimetic 3D collagen scaffolds. , 2012, 23, 28-40.		19
41	Cell attachment and response to photocured, degradable bone adhesives containing tricalcium phosphate and purmorphamine. Acta Biomaterialia, 2011, 7, 2672-2677.	4.1	18
42	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
43	<i>In vitro</i> studies on the influence of surface modification of Ni-Ti alloy on human bone cells. Journal of Biomedical Materials Research - Part A, 2010, 93A, 1596-1608.	2.1	15
44	Physical properties and MAS-NMR studies of titanium phosphate-based glasses. Materials Chemistry and Physics, 2010, 120, 68-74.	2.0	28
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	Impaired bacterial attachment to light activated Ni-Ti alloy. Materials Science and Engineering C, 2010, 30, 225-234.	3.8	9
47	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
48	<i>In Vitro</i> Biocompatibility and Mechanical Performance of Titanium Doped High Calcium Oxide Metaphosphate-Based Glasses. Journal of Tissue Engineering, 2010, 1, 390127.	2.3	14
49	The effect of zinc and titanium on the structure of calcium-sodium phosphate based glass. Journal of Non-Crystalline Solids, 2010, 356, 1319-1324.	1.5	23
50	Switching off angiogenic signalling: creating channelled constructs for adequate oxygen delivery in tissue engineered constructs. , 2010, 20, 274-281.		23
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	Control of surface free energy in titanium doped phosphate based glasses by co-doping with zinc. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2009, 89B, 392-407.	1.6	19
53	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
54	Controlled delivery of antimicrobial gallium ions from phosphate-based glasses. Acta Biomaterialia, 2009, 5, 1198-1210.	4.1	108

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55	Chemical characterization of a degradable polymeric bone adhesive containing hydrolysable fillers and interpretation of anomalous mechanical properties. <i>Acta Biomaterialia</i> , 2009, 5, 2072-2083.	4.1	24
56	Development of remineralizing, antibacterial dental materials. <i>Acta Biomaterialia</i> , 2009, 5, 2525-2539.	4.1	60
57	Doping of a high calcium oxide metaphosphate glass with titanium dioxide. <i>Journal of Non-Crystalline Solids</i> , 2009, 355, 991-1000.	1.5	50
58	Structure and properties of strontium-doped phosphate-based glasses. <i>Journal of the Royal Society Interface</i> , 2009, 6, 435-446.	1.5	135
59	Bioactive functional materials: a perspective on phosphate-based glasses. <i>Journal of Materials Chemistry</i> , 2009, 19, 690-701.	6.7	289
60	Processing, characterisation, and biocompatibility of zinc modified metaphosphate based glasses for biomedical applications. <i>Journal of Materials Science: Materials in Medicine</i> , 2008, 19, 1669-1679.	1.7	50
61	Ti K-edge XANES study of the local environment of titanium in bioresorbable $TiO_2-CaO-Na_2O-P_2O_5$ glasses. <i>Journal of Materials Science: Materials in Medicine</i> , 2008, 19, 1681-1685.	1.7	21
62	Antimicrobial Gallium-Doped Phosphate-Based Glasses. <i>Advanced Functional Materials</i> , 2008, 18, 732-741.	7.8	161
63	Quantification of crystalline phases and measurement of phosphate chain lengths in a mixed phase sample by ^{31}P refocused INADEQUATE MAS NMR. <i>Chemical Physics Letters</i> , 2008, 455, 178-183.	1.2	15
64	Effect of increasing titanium dioxide content on bulk and surface properties of phosphate-based glasses. <i>Acta Biomaterialia</i> , 2008, 4, 523-534.	4.1	88
65	Effect of surface treatment on the bioactivity of nickel-titanium. <i>Acta Biomaterialia</i> , 2008, 4, 1969-1984.	4.1	52
66	Nanomechanical evaluation of nickel-titanium surface properties after alkali and electrochemical treatments. <i>Journal of the Royal Society Interface</i> , 2008, 5, 1009-1022.	1.5	21
67	The effect of composition on the structure of sodium borophosphate glasses. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 3671-3677.	1.5	87
68	Controlled Microchannelling in Dense Collagen Scaffolds by Soluble Phosphate Glass Fibers. <i>Biomacromolecules</i> , 2007, 8, 543-551.	2.6	103
69	A Facile Synthesis Route to Prepare Microtubes from Phosphate Glass Fibres. <i>Advanced Materials</i> , 2007, 19, 2856-2862.	11.1	29
70	In vitro bioactivity and gene expression by cells cultured on titanium dioxide doped phosphate-based glasses. <i>Biomaterials</i> , 2007, 28, 2967-2977.	5.7	106
71	Use of multiple unconfined compression for control of collagen gel scaffold density and mechanical properties. <i>Soft Matter</i> , 2006, 2, 986.	1.2	179
72	Surface characterisation of various bone cements prepared with functionalised methacrylates/bioactive ceramics in relation to HOB behaviour. <i>Acta Biomaterialia</i> , 2006, 2, 143-154.	4.1	5