

Amr S Fawzy

List of Publications by Year in descending order

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59
papers

1,255
citations

331538

21
h-index

414303

32
g-index

61
all docs

61
docs citations

61
times ranked

1224
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of surface treatments on the tensile bond strength of repaired water-aged anterior restorative micro-fine hybrid resin composite. <i>Journal of Dentistry</i> , 2008, 36, 969-976.	1.7	113
2	Riboflavin as a dentin crosslinking agent: Ultraviolet A versus blue light. <i>Dental Materials</i> , 2012, 28, 1284-1291.	1.6	57
3	Effect of post-curing light exposure time on the physico-mechanical properties and cytotoxicity of 3D-printed denture base material. <i>Dental Materials</i> , 2022, 38, 57-67.	1.6	49
4	Development of 3D printed resin reinforced with modified ZrO ₂ nanoparticles for long-term provisional dental restorations. <i>Dental Materials</i> , 2021, 37, e360-e374.	1.6	47
5	Characterization of Riboflavin-modified Dentin Collagen Matrix. <i>Journal of Dental Research</i> , 2012, 91, 1049-1054.	2.5	46
6	pH-dependent delivery of chlorhexidine from PGA grafted mesoporous silica nanoparticles at resin-dentin interface. <i>Journal of Nanobiotechnology</i> , 2021, 19, 43.	4.2	45
7	Effect of chitosan/riboflavin modification on resin/dentin interface: Spectroscopic and microscopic investigations. <i>Journal of Biomedical Materials Research - Part A</i> , 2013, 101A, 1846-1856.	2.1	43
8	Formulation of pH-sensitive chlorhexidine-loaded/mesoporous silica nanoparticles modified experimental dentin adhesive. <i>Materials Science and Engineering C</i> , 2021, 122, 111894.	3.8	43
9	In vitro analysis of riboflavin-modified, experimental, two-step etch-and-rinse dentin adhesive: Fourier transform infrared spectroscopy and micro-Raman studies. <i>International Journal of Oral Science</i> , 2015, 7, 110-124.	3.6	42
10	PLGA nanoparticles as chlorhexidine-delivery carrier to resin-dentin adhesive interface. <i>Dental Materials</i> , 2017, 33, 830-846.	1.6	42
11	Clinical efficacy of probiotics in the treatment of gingivitis: A systematic review and meta-analysis. <i>Australian Dental Journal</i> , 2020, 65, 12-20.	0.6	39
12	Chlorhexidine Nanocapsule Drug Delivery Approach to the Resin-Dentin Interface. <i>Journal of Dental Research</i> , 2016, 95, 1065-1072.	2.5	38
13	Characterization of Chitosan/TiO ₂ Nano-Powder Modified Glass-Ionomer Cement for Restorative Dental Applications. <i>Journal of Esthetic and Restorative Dentistry</i> , 2017, 29, 146-156.	1.8	37
14	Chitosan/Riboflavin-modified demineralized dentin as a potential substrate for bonding. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2013, 17, 278-289.	1.5	36
15	Characterization of antibacterial and adhesion properties of chitosan-modified glass ionomer cement. <i>Journal of Biomaterials Applications</i> , 2015, 30, 409-419.	1.2	36
16	Fabrication and evaluation of electrohydrodynamic jet 3D printed polycaprolactone/chitosan cell carriers using human embryonic stem cell-derived fibroblasts. <i>Journal of Biomaterials Applications</i> , 2016, 31, 181-192.	1.2	35
17	Effect of Polishing Systems on Surface Roughness and Topography of Monolithic Zirconia. <i>Operative Dentistry</i> , 2016, 41, 417-423.	0.6	29
18	The effect of proanthocyanidins on the bond strength and durability of resin sealer to root dentine. <i>International Endodontic Journal</i> , 2013, 46, 169-178.	2.3	27

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19	Effect acidic and alkaline/heat treatments on the bond strength of different luting cements to commercially pure titanium. <i>Journal of Dentistry</i> , 2009, 37, 255-263.	1.7	25
20	Sodium hypochlorite as dentin pretreatment for etch-and-rinse single-bottle and two-step self-etching adhesives: atomic force microscope and tensile bond strength evaluation. <i>Journal of Adhesive Dentistry</i> , 2008, 10, 135-44.	0.3	25
21	Proanthocyanidins-Loaded Nanoparticles Enhance Dentin Degradation Resistance. <i>Journal of Dental Research</i> , 2017, 96, 780-789.	2.5	24
22	Effect of Propolis Nanoparticles against <i>Enterococcus faecalis</i> Biofilm in the Root Canal. <i>Molecules</i> , 2021, 26, 715.	1.7	22
23	Cytotoxicity and antimicrobial efficiency of ZrO ₂ nanoparticles reinforced 3D printed resins. <i>Dental Materials</i> , 2022, 38, 1432-1442.	1.6	21
24	Variations in collagen fibrils network structure and surface dehydration of acid demineralized intertubular dentin: Effect of dentin depth and air-exposure time. <i>Dental Materials</i> , 2010, 26, 35-43.	1.6	20
25	Effect of High-Intensity Focused Ultrasound on <i>Enterococcus Faecalis</i> Planktonic Suspensions and Biofilms. <i>Ultrasound in Medicine and Biology</i> , 2013, 39, 825-833.	0.7	20
26	Characterization of Chlorhexidine-Loaded Calcium-Hydroxide Microparticles as a Potential Dental Pulp-Capping Material. <i>Bioengineering</i> , 2017, 4, 59.	1.6	19
27	Human embryonic stem cell differentiation into odontoblastic lineage: an <i>in vitro</i> study. <i>International Endodontic Journal</i> , 2014, 47, 346-355.	2.3	18
28	Fabrication of dentin-like scaffolds through combined 3D printing and bio-mineralisation. <i>Cogent Engineering</i> , 2016, 3, 1222777.	1.1	15
29	Properties of a modified quaternary ammonium silane formulation as a potential root canal irrigant in endodontics. <i>Dental Materials</i> , 2020, 36, e386-e402.	1.6	15
30	Synergistic effects of VE-TPGS and riboflavin in crosslinking of dentine. <i>Dental Materials</i> , 2019, 35, 356-367.	1.6	14
31	Novel riboflavin/VE-TPGS modified universal dentine adhesive with superior dentine bond strength and self-crosslinking potential. <i>Dental Materials</i> , 2020, 36, 145-156.	1.6	14
32	Multiscale in-vitro analysis of photo-activated riboflavin incorporated in an experimental universal adhesive. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020, 112, 104082.	1.5	14
33	New antimicrobial and collagen crosslinking formulated dentin adhesive with improved bond durability. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020, 110, 103927.	1.5	14
34	Reinforced Universal Adhesive by Ribose Crosslinker: A Novel Strategy in Adhesive Dentistry. <i>Polymers</i> , 2021, 13, 704.	2.0	14
35	An in vitro and in vivo evaluation of bioactive titanium implants following sodium removal treatment. <i>Dental Materials</i> , 2009, 25, 48-57.	1.6	12
36	An in vitro study of a novel quaternary ammonium silane endodontic irrigant. <i>Dental Materials</i> , 2019, 35, 1264-1278.	1.6	12

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37	Probing nano-scale adhesion force between AFM and acid demineralized intertubular dentin: Moist versus dry dentin. <i>Journal of Dentistry</i> , 2009, 37, 963-969.	1.7	10
38	Co-Blend Application Mode of Bulk Fill Composite Resin. <i>Materials</i> , 2019, 12, 2504.	1.3	10
39	Minimally invasive high-intensity focused ultrasound (HIFU) improves dentine remineralization with hydroxyapatite nanorods. <i>Dental Materials</i> , 2020, 36, 456-467.	1.6	10
40	Formulation of nano-graphene doped with nano silver modified dentin bonding agents with enhanced interfacial stability and antibiofilm properties. <i>Dental Materials</i> , 2022, 38, 347-362.	1.6	10
41	Dentine collagen cross-linking using tiopronin-protected Au/EDC nanoparticles formulations. <i>Dental Materials</i> , 2019, 35, 1017-1030.	1.6	9
42	Impacts of Resveratrol and Pyrogallol on Physicochemical, Mechanical and Biological Properties of Epoxy-Resin Sealers. <i>Bioengineering</i> , 2022, 9, 85.	1.6	9
43	In vitro assessment of ribose modified two-step etch-and-rinse dentine adhesive. <i>Dental Materials</i> , 2018, 34, 1175-1187.	1.6	8
44	Effect of acid etching on dentin bond strength of ultra-mild self-etch adhesives. <i>International Journal of Adhesion and Adhesives</i> , 2020, 99, 102567.	1.4	7
45	Effect of grape seed extract on the bond strength and durability of resin-dentin interface. <i>Journal of Adhesion Science and Technology</i> , 2017, 31, 2525-2541.	1.4	6
46	Effect of photoactivated riboflavin on the biodegradation-resistance of root-dentin collagen. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 177, 18-23.	1.7	6
47	Long-term bond strength to dentine of a chitosan-riboflavin modified two-step etch-and-rinse adhesives. <i>International Journal of Adhesion and Adhesives</i> , 2018, 85, 263-273.	1.4	6
48	Potential of high-intensity focused ultrasound in resin-dentine bonding. <i>Dental Materials</i> , 2019, 35, 979-989.	1.6	6
49	In Vitro Bonding Performance of Modern Self-Adhesive Resin Cements and Conventional Resin-Modified Glass Ionomer Cements to Prosthetic Substrates. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8157.	1.3	6
50	Mechanical and Spectroscopic Analysis of Retrieved/Failed Dental Implants. <i>Coatings</i> , 2017, 7, 201.	1.2	5
51	Quaternary ammonium silane (k21) based intracanal medicament triggers biofilm destruction. <i>BMC Oral Health</i> , 2021, 21, 116.	0.8	5
52	Effect of carbodiimide on the bond strength and durability of resin-dentin interface. <i>Journal of Adhesion Science and Technology</i> , 2018, 32, 931-946.	1.4	4
53	PLGA nanoparticles loaded with quaternary ammonium silane and riboflavin for potential applications in adhesive dentistry. <i>International Journal of Adhesion and Adhesives</i> , 2021, 105, 102797.	1.4	4
54	Potentiating the antibacterial effect of silver nanospheres by surface-capping with chlorhexidine gluconate. <i>Journal of Nanoparticle Research</i> , 2017, 19, 1.	0.8	3

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55	Formulation and characterisation of poly(lacticâ€coâ€glycolic acid) encapsulated clove oil nanoparticles for dental applications. IET Nanobiotechnology, 2018, 12, 311-317.	1.9	3
56	Longâ€term evaluation of earlyâ€enamel lesions treated with novel experimental tricalcium silicate paste: A 2â€year randomized clinical trial. Journal of Esthetic and Restorative Dentistry, 0, , .	1.8	3
57	Macrophage response and surface analysis of dental cementum after treatment with high intensity focused ultrasound. Archives of Oral Biology, 2019, 98, 195-203.	0.8	2
58	Silanization of nanographene platelets improves interaction with the dentin bonding resin matrix and enhances interfacial bond integrity to dentin. Biomaterials Science, 2021, 9, 8335-8346.	2.6	1
59	Characterization of multiscale interactions between high intensity focused ultrasound (HIFU) and tooth dentin: the effect on matrix-metalloproteinases, bacterial biofilms and biological properties. Biomaterials Science, 2021, 9, 5344-5358.	2.6	0