

Abdulrahman A Balhaddad

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

672
citations

567281

15
h-index

580821

25
g-index

40
all docs

40
docs citations

40
times ranked

498
citing authors

#	ARTICLE	IF	CITATIONS
1	In Vitro Analysis of the Fatigue Resistance of Four Single File Canal Preparation Instruments. <i>Materials</i> , 2022, 15, 688.	2.9	8
2	Perspectives on Light-Based Disinfection to Reduce the Risk of COVID-19 Transmission during Dental Care. <i>BioMed</i> , 2022, 2, 27-36.	1.1	2
3	Minimally-invasive dentistry via dual-function novel bioactive low-shrinkage-stress flowable nanocomposites. <i>Dental Materials</i> , 2022, 38, 409-420.	3.5	4
4	Low-Shrinkage Resin Matrices in Restorative Dentistry-Narrative Review. <i>Materials</i> , 2022, 15, 2951.	2.9	9
5	Nanoparticle-based antimicrobial for dental restorative materials. , 2022, , 661-700.		0
6	Hands-on training based on quantifying radiant exposure improves how dental students cure composites: Skill retention at 2-year follow-up. <i>European Journal of Dental Education</i> , 2021, 25, 582-591.	2.0	3
7	The Impact of Photosensitizer Selection on Bactericidal Efficacy Of PDT against Cariogenic Biofilms: A Systematic Review and Meta-Analysis. <i>Photodiagnosis and Photodynamic Therapy</i> , 2021, 33, 102046.	2.6	9
8	The burden of root caries: Updated perspectives and advances on management strategies. <i>Gerodontology</i> , 2021, 38, 136-153.	2.0	30
9	In vitro demineralization prevention by fluoride and silver nanoparticles when applied to sound enamel and enamel caries-like lesions of varying severities. <i>Journal of Dentistry</i> , 2021, 104, 103536.	4.1	10
10	Antibacterial response of oral microcosm biofilm to nano-zinc oxide in adhesive resin. <i>Dental Materials</i> , 2021, 37, e182-e193.	3.5	31
11	Wear Behavior and Surface Quality of Dental Bioactive Ions-Releasing Resins Under Simulated Chewing Conditions. <i>Frontiers in Oral Health</i> , 2021, 2, 628026.	3.0	8
12	Antibiofilm and Protein-Repellent Polymethylmethacrylate Denture Base Acrylic Resin for Treatment of Denture Stomatitis. <i>Materials</i> , 2021, 14, 1067.	2.9	9
13	Sustained Antibacterial Effect and Wear Behavior of Quaternary Ammonium Contact-Killing Dental Polymers after One-Year of Hydrolytic Degradation. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3718.	2.5	7
14	Advancing Photodynamic Therapy for Endodontic Disinfection with Nanoparticles: Present Evidence and Upcoming Approaches. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4759.	2.5	8
15	Photodynamic Therapy for Biomodulation and Disinfection in Implant Dentistry: Is It Feasible and Effective?. <i>Photochemistry and Photobiology</i> , 2021, 97, 916-929.	2.5	10
16	Improper Light Curing of Bulkfill Composite Drives Surface Changes and Increases <i>S. mutans</i> Biofilm Growth as a Pathway for Higher Risk of Recurrent Caries around Restorations. <i>Dentistry Journal</i> , 2021, 9, 83.	2.3	8
17	Magnetic motion of superparamagnetic iron oxide nanoparticles- loaded dental adhesives: physicochemical/biological properties, and dentin bonding performance studied through the tooth pulpal pressure model. <i>Acta Biomaterialia</i> , 2021, 134, 337-347.	8.3	11
18	Errors in light-emitting diodes positioning when curing bulk fill and incremental composites: impact on properties after aging. <i>Restorative Dentistry & Endodontics</i> , 2021, 46, e51.	1.5	1

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19	Metal Oxide Nanoparticles and Nanotubes: Ultrasmall Nanostructures to Engineer Antibacterial and Improved Dental Adhesives and Composites. <i>Bioengineering</i> , 2021, 8, 146.	3.5	24
20	Antibacterial Activities of Methanol and Aqueous Extracts of <i>Salvadora persica</i> against <i>Streptococcus mutans</i> Biofilms: An In Vitro Study. <i>Dentistry Journal</i> , 2021, 9, 143.	2.3	5
21	Magnetic-Responsive Photosensitizer Nanoplatform for Optimized Inactivation of Dental Caries-Related Biofilms: Technology Development and Proof of Principle. <i>ACS Nano</i> , 2021, 15, 19888-19904.	14.6	21
22	Light Energy Dose and Photosensitizer Concentration Are Determinants of Effective Photo-Killing against Caries-Related Biofilms. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7612.	4.1	13
23	Novel CaF ₂ Nanocomposites with Antibacterial Function and Fluoride and Calcium Ion Release to Inhibit Oral Biofilm and Protect Teeth. <i>Journal of Functional Biomaterials</i> , 2020, 11, 56.	4.4	36
24	Emerging Contact-Killing Antibacterial Strategies for Developing Anti-Biofilm Dental Polymeric Restorative Materials. <i>Bioengineering</i> , 2020, 7, 83.	3.5	39
25	Prospects on Nano-Based Platforms for Antimicrobial Photodynamic Therapy Against Oral Biofilms. <i>Photobiomodulation, Photomedicine, and Laser Surgery</i> , 2020, 38, 481-496.	1.4	18
26	Pronounced Effect of Antibacterial Bioactive Dental Composite on Microcosm Biofilms Derived From Patients With Root Carious Lesions. <i>Frontiers in Materials</i> , 2020, 7, .	2.4	4
27	Novel Crown Cement Containing Antibacterial Monomer and Calcium Phosphate Nanoparticles. <i>Nanomaterials</i> , 2020, 10, 2001.	4.1	21
28	Multifunctional antibacterial dental sealants suppress biofilms derived from children at high risk of caries. <i>Biomaterials Science</i> , 2020, 8, 3472-3484.	5.4	23
29	Concentration dependence of quaternary ammonium monomer on the design of high-performance bioactive composite for root caries restorations. <i>Dental Materials</i> , 2020, 36, e266-e278.	3.5	35
30	Tooth sealing formulation with bacteria-killing surface and on-demand ion release/recharge inhibits early childhood caries key pathogens. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2020, 108, 3217-3227.	3.4	16
31	pH-responsive calcium and phosphate-ion releasing antibacterial sealants on carious enamel lesions in vitro. <i>Journal of Dentistry</i> , 2020, 97, 103323.	4.1	29
32	How we are assessing the developing antibacterial resin-based dental materials? A scoping review. <i>Journal of Dentistry</i> , 2020, 99, 103369.	4.1	41
33	Assessment of surface roughness changes on orthodontic acrylic resin by all-in-one spray disinfectant solutions. <i>Journal of Dental Research, Dental Clinics, Dental Prospects</i> , 2020, 14, 77-82.	1.0	4
34	Assessment of the radiant emittance of damaged/contaminated dental light-curing tips by spectrophotometric methods. <i>Restorative Dentistry & Endodontics</i> , 2020, 45, e55.	1.5	2
35	In-Vitro Model of <i>Scardovia wiggsiae</i> Biofilm Formation and Effect of Nicotine. <i>Brazilian Dental Journal</i> , 2020, 31, 471-476.	1.1	1
36	3D cone-beam C.T. imaging used to determine the effect of disinfection protocols on the dimensional stability of full arch impressions. <i>Saudi Dental Journal</i> , 2020, 33, 453-461.	1.6	1

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37	A Novel Dental Sealant Containing Dimethylaminohexadecyl Methacrylate Suppresses the Cariogenic Pathogenicity of <i>Streptococcus mutans</i> Biofilms. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3491.	4.1	34
38	Inhibition of nicotine-induced <i>Streptococcus mutans</i> biofilm formation by salts solutions intended for mouthrinses. <i>Restorative Dentistry & Endodontics</i> , 2019, 44, e4.	1.5	13
39	Toward dental caries: Exploring nanoparticle-based platforms and calcium phosphate compounds for dental restorative materials. <i>Bioactive Materials</i> , 2019, 4, 43-55.	15.6	109
40	Factors influencing success of radiant exposure in light-curing posterior dental composite in the clinical setting. <i>American Journal of Dentistry</i> , 2018, 31, 320-328.	0.1	15