Abdulrahman A Balhaddad

List of Publications by Year
in descending order

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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	Toward dental caries: Exploring nanoparticle-based platforms and calcium phosphate compounds for dental restorative materials. Bioactive Materials, 2019, 4, 43-55.	15.6	109
2	How we are assessing the developing antibacterial resin-based dental materials? A scoping review. Journal of Dentistry, 2020, 99, 103369.	4.1	41
3	Emerging Contact-Killing Antibacterial Strategies for Developing Anti-Biofilm Dental Polymeric Restorative Materials. Bioengineering, 2020, 7, 83.	3.5	39
4	Novel CaF2 Nanocomposites with Antibacterial Function and Fluoride and Calcium Ion Release to Inhibit Oral Biofilm and Protect Teeth. Journal of Functional Biomaterials, 2020, 11, 56.	4.4	36
5	Concentration dependence of quaternary ammonium monomer on the design of high-performance bioactive composite for root caries restorations. Dental Materials, 2020, 36, e266-e278.	3.5	35
6	A Novel Dental Sealant Containing Dimethylaminohexadecyl Methacrylate Suppresses the Cariogenic Pathogenicity of Streptococcus mutans Biofilms. International Journal of Molecular Sciences, 2019, 20, 3491.	4.1	34
7	Antibacterial response of oral microcosm biofilm to nano-zinc oxide in adhesive resin. Dental Materials, 2021, 37, e182-e193.	3.5	31
8	The burden of root caries: Updated perspectives and advances on management strategies. Gerodontology, 2021, 38, 136-153.	2.0	30
9	pH-responsive calcium and phosphate-ion releasing antibacterial sealants on carious enamel lesions in vitro. Journal of Dentistry, 2020, 97, 103323.	4.1	29
10	Metal Oxide Nanoparticles and Nanotubes: Ultrasmall Nanostructures to Engineer Antibacterial and Improved Dental Adhesives and Composites. Bioengineering, 2021, 8, 146.	3.5	24
11	Multifunctional antibacterial dental sealants suppress biofilms derived from children at high risk of caries. Biomaterials Science, 2020, 8, 3472-3484.	5.4	23
12	Novel Crown Cement Containing Antibacterial Monomer and Calcium Phosphate Nanoparticles. Nanomaterials, 2020, 10, 2001.	4.1	21
13	Magnetic-Responsive Photosensitizer Nanoplatform for Optimized Inactivation of Dental Caries-Related Biofilms: Technology Development and Proof of Principle. ACS Nano, 2021, 15, 19888-19904.	14.6	21
14	Prospects on Nano-Based Platforms for Antimicrobial Photodynamic Therapy Against Oral Biofilms. Photobiomodulation, Photomedicine, and Laser Surgery, 2020, 38, 481-496.	1.4	18
15	Tooth sealing formulation with bacteriaâ€killing surface and onâ€demand ion release/recharge inhibits early childhood caries key pathogens. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2020, 108, 3217-3227.	3.4	16
16	Factors influencing success of radiant exposure in light-curing posterior dental composite in the clinical setting. American Journal of Dentistry, 2018, 31, 320-328.	0.1	15
17	Inhibition of nicotine-inducedStreptococcus mutansbiofilm formation by salts solutions intended for mouthrinses. Restorative Dentistry & Endodontics, 2019, 44, e4.	1.5	13
18	Light Energy Dose and Photosensitizer Concentration Are Determinants of Effective Photo-Killing against Caries-Related Biofilms. International Journal of Molecular Sciences, 2020, 21, 7612.	4.1	13

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19	Magnetic motion of superparamagnetic iron oxide nanoparticles- loaded dental adhesives: physicochemical/biological properties, and dentin bonding performance studied through the tooth pulpal pressure model. Acta Biomaterialia, 2021, 134, 337-347.	8.3	11
20	In vitro demineralization prevention by fluoride and silver nanoparticles when applied to sound enamel and enamel caries-like lesions of varying severities. Journal of Dentistry, 2021, 104, 103536.	4.1	10
21	Photodynamic Therapy for Biomodulation and Disinfection in Implant Dentistry: Is It Feasible and Effective?. Photochemistry and Photobiology, 2021, 97, 916-929.	2.5	10
22	The Impact of Photosensitizer Selection on Bactericidal Efficacy Of PDT against Cariogenic Biofilms: A Systematic Review and Meta-Analysis. Photodiagnosis and Photodynamic Therapy, 2021, 33, 102046.	2.6	9
23	Antibiofilm and Protein-Repellent Polymethylmethacrylate Denture Base Acrylic Resin for Treatment of Denture Stomatitis. Materials, 2021, 14, 1067.	2.9	9
24	Low-Shrinkage Resin Matrices in Restorative Dentistry-Narrative Review. Materials, 2022, 15, 2951.	2.9	9
25	Wear Behavior and Surface Quality of Dental Bioactive Ions-Releasing Resins Under Simulated Chewing Conditions. Frontiers in Oral Health, 2021, 2, 628026.	3.0	8
26	Advancing Photodynamic Therapy for Endodontic Disinfection with Nanoparticles: Present Evidence and Upcoming Approaches. Applied Sciences (Switzerland), 2021, 11, 4759.	2.5	8
27	Improper Light Curing of Bulkfill Composite Drives Surface Changes and Increases S. mutans Biofilm Growth as a Pathway for Higher Risk of Recurrent Caries around Restorations. Dentistry Journal, 2021, 9, 83.	2.3	8
28	In Vitro Analysis of the Fatigue Resistance of Four Single File Canal Preparation Instruments. Materials, 2022, 15, 688.	2.9	8
29	Sustained Antibacterial Effect and Wear Behavior of Quaternary Ammonium Contact-Killing Dental Polymers after One-Year of Hydrolytic Degradation. Applied Sciences (Switzerland), 2021, 11, 3718.	2.5	7
30	Antibacterial Activities of Methanol and Aqueous Extracts of Salvadora persica against Streptococcus mutans Biofilms: An In Vitro Study. Dentistry Journal, 2021, 9, 143.	2.3	5
31	Pronounced Effect of Antibacterial Bioactive Dental Composite on Microcosm Biofilms Derived From Patients With Root Carious Lesions. Frontiers in Materials, 2020, 7, .	2.4	4
32	Assessment of surface roughness changes on orthodontic acrylic resin by all-in-one spray disinfectant solutions. Journal of Dental Research, Dental Clinics, Dental Prospects, 2020, 14, 77-82.	1.0	4
33	Minimally-invasive dentistry via dual-function novel bioactive low-shrinkage-stress flowable nanocomposites. Dental Materials, 2022, 38, 409-420.	3.5	4
34	Handsâ€on training based on quantifying radiant exposure improves how dental students cure composites: Skill retention at 2â€year followâ€up. European Journal of Dental Education, 2021, 25, 582-591.	2.0	3
35	Assessment of the radiant emittance of damaged/contaminated dental light-curing tips by spectrophotometric methods. Restorative Dentistry & Endodontics, 2020, 45, e55.	1.5	2
36	Perspectives on Light-Based Disinfection to Reduce the Risk of COVID-19 Transmission during Dental Care. BioMed, 2022, 2, 27-36.	1.1	2

#	Article	IF	Citations
37	Errors in light-emitting diodes positioning when curing bulk fill and incremental composites: impact on properties after aging. Restorative Dentistry & Endodontics, 2021, 46, e51.	1.5	1
38	In-Vitro Model of Scardovia wiggsiae Biofilm Formation and Effect of Nicotine. Brazilian Dental Journal, 2020, 31, 471-476.	1.1	1
39	3D cone-beam C.T. imaging used to determine the effect of disinfection protocols on the dimensional stability of full arch impressions. Saudi Dental Journal, 2020, 33, 453-461.	1.6	1
40	Nanoparticle-based antimicrobial for dental restorative materials. , 2022, , 661-700.		0