

Bennett Tochukwu Amaechi

List of Publications by Year in descending order

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Version: 2024-02-01

89
papers

2,076
citations

279798

23
h-index

276875

41
g-index

90
all docs

90
docs citations

90
times ranked

1629
citing authors

#	ARTICLE	IF	CITATIONS
1	Protocol for a Case Control Study to Evaluate Oral Health as a Biomarker of Child Exposure to Adverse Psychosocial Experiences. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 3403.	2.6	1
2	Monitoring erosive tooth wear with intraoral 3D scanner: A feasibility study.. <i>American Journal of Dentistry</i> , 2022, 35, 49-54.	0.1	0
3	Hydroxyapatite as Remineralization Agent for Children's Dental Care. <i>Frontiers in Dental Medicine</i> , 2022, 3, .	1.4	12
4	The Effect of MI Varnish [®] on Caries Increment and Dietary Habits among 6- and 12-Year-Old Children in Riga, Latvia: A 3-Year Randomized Controlled Trial. <i>Dentistry Journal</i> , 2022, 10, 96.	2.3	1
5	Prevention of white spot lesions around orthodontic brackets using organoselenium-containing antimicrobial enamel surface sealant. <i>Heliyon</i> , 2021, 7, e06490.	3.2	5
6	Influence of childhood asthma on dental caries: A longitudinal study. <i>Clinical and Experimental Dental Research</i> , 2021, 7, 957-967.	1.9	5
7	Inhibition of <i>Streptococcus mutans</i> , antioxidant property and cytotoxicity of novel nano-zinc oxide varnish. <i>Archives of Oral Biology</i> , 2021, 126, 105132.	1.8	18
8	Clinical efficacy of nanohydroxyapatite-containing toothpaste at relieving dentin hypersensitivity: an 8 weeks randomized control trial. <i>BDJ Open</i> , 2021, 7, 23.	2.1	15
9	The Potential of Hydroxyapatite Toothpaste to Prevent Root Caries: A pH-Cycling Study. <i>Clinical, Cosmetic and Investigational Dentistry</i> , 2021, Volume 13, 315-324.	1.6	8
10	Cariogenic Biofilms: Development, Properties, and Biomimetic Preventive Agents. <i>Dentistry Journal</i> , 2021, 9, 88.	2.3	23
11	Impact of a toothpaste with microcrystalline hydroxyapatite on the occurrence of early childhood caries: a 1-year randomized clinical trial. <i>Scientific Reports</i> , 2021, 11, 2650.	3.3	38
12	Anti-caries evaluation of a nano-hydroxyapatite dental lotion for use after toothbrushing: An in situ study. <i>Journal of Dentistry</i> , 2021, 115, 103863.	4.1	11
13	Antimicrobial effect of herbal extract of <i>Acacia arabica</i> with triphala on the biofilm forming cariogenic microorganisms. <i>Journal of Ayurveda and Integrative Medicine</i> , 2020, 11, 322-328.	1.7	16
14	Terminology of Erosive Tooth Wear: Consensus Report of a Workshop Organized by the ORCA and the Cariology Research Group of the IADR. <i>Caries Research</i> , 2020, 54, 2-6.	2.0	155
15	Comparison of photothermal radiometry and modulated luminescence, intraoral radiography, and cone beam computed tomography for detection of natural caries under restorations. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2020, 129, 539-548.	0.4	5
16	Comparison of hydroxyapatite and fluoride oral care gels for remineralization of initial caries: a pH-cycling study. <i>BDJ Open</i> , 2020, 6, 9.	2.1	27
17	Anti-erosive effect of rinsing before or after toothbrushing with a Fluoride/Stannous Ions solution: an in situ investigation. <i>Journal of Dentistry</i> , 2020, 101, 103450.	4.1	5
18	<p>Influence of Erosion/Abrasion and the Dentifrice Abrasiveness Concomitant with Bleaching Procedures</p>. <i>Clinical, Cosmetic and Investigational Dentistry</i> , 2020, Volume 12, 101-109.	1.6	6

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19	Influence of desensitizing agents in management of noncarious cervical lesion and bonded restorations: A preliminary 12-week report. <i>Journal of Conservative Dentistry</i> , 2020, 23, 341.	0.9	1
20	Influences of desensitizing agents on bond strength of etch-and-rinse and self-etch adhesive system to dentin. <i>Journal of Conservative Dentistry</i> , 2020, 23, 522.	0.9	1
21	In vitro evaluation of the effects of Ultrasound Tongue Scraper on bacteria and biofilm formation. <i>Journal of Investigative and Clinical Dentistry</i> , 2019, 10, e12471.	1.8	2
22	Protocols to Study Dental Caries In Vitro: pH Cycling Models. <i>Methods in Molecular Biology</i> , 2019, 1922, 379-392.	0.9	24
23	Protocols to Study Dental Caries In Vitro: Microbial Caries Models. <i>Methods in Molecular Biology</i> , 2019, 1922, 357-368.	0.9	17
24	Erosive potential of soy-based beverages on dental enamel. <i>Acta Odontologica Scandinavica</i> , 2019, 77, 340-346.	1.6	3
25	Caries Increment and Oral Hygiene Changes in 6- and 12-Year-Old Children in Riga, Latvia: A 3-Year Follow-Up Report Using ICDAS II and RADKE Criteria. <i>European Journal of Dentistry</i> , 2019, 13, 413-419.	1.7	4
26	Comparative efficacy of a hydroxyapatite and a fluoride toothpaste for prevention and remineralization of dental caries in children. <i>BDJ Open</i> , 2019, 5, 18.	2.1	79
27	Modes of Action and Clinical Efficacy of Particulate Hydroxyapatite in Preventive Oral Health Care – State of the Art. <i>Open Dentistry Journal</i> , 2019, 13, 274-287.	0.5	30
28	Comparative Efficacy in Preventing Plaque Formation around Pit and Fissure Sealants: A Clinical Trial. <i>Journal of Contemporary Dental Practice</i> , 2019, 20, 531-536.	0.5	15
29	Phytochemicals. <i>Advances in Medical Technologies and Clinical Practice Book Series</i> , 2019, , 238-275.	0.3	2
30	Comparative Efficacy in Preventing Plaque Formation around Pit and Fissure Sealants: A Clinical Trial. <i>Journal of Contemporary Dental Practice</i> , 2019, 20, 531-536.	0.5	6
31	Dentin hypersensitivity management. <i>Clinical Dentistry Reviewed</i> , 2018, 2, 1.	0.4	12
32	Prevention and control of dental erosion by professionally applied treatment. <i>Clinical Dentistry Reviewed</i> , 2018, 2, 1.	0.4	2
33	Clinical Efficacy in Relieving Dentin Hypersensitivity of Nanohydroxyapatite-containing Cream: A Randomized Controlled Trial. <i>Open Dentistry Journal</i> , 2018, 12, 572-585.	0.5	15
34	Overview of Calcium Phosphates used in Biomimetic Oral Care. <i>Open Dentistry Journal</i> , 2018, 12, 406-423.	0.5	69
35	Detection of Caries Around Resin-Modified Glass Ionomer and Compomer Restorations Using Four Different Modalities In Vitro. <i>Dentistry Journal</i> , 2018, 6, 47.	2.3	6
36	Optical Coherence Tomography. <i>Dental Clinics of North America</i> , 2018, 62, 421-434.	1.8	36

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37	Fluorescence and Near-Infrared Light Transillumination. Dental Clinics of North America, 2018, 62, 435-452.	1.8	8
38	Effectiveness of S-PRG Filler-Containing Toothpaste in Inhibiting Demineralization of Human Tooth Surface. Open Dentistry Journal, 2018, 12, 811-819.	0.5	17
39	Do Products Preventing Demineralization Around Orthodontic Brackets Affect Adhesive Bond Strength?. Open Dentistry Journal, 2018, 12, 1029-1035.	0.5	3
40	Comparison of composite resin and porcelain inlays for restoration of noncarious cervical lesions: An study. Dental Research Journal, 2018, 15, 215-219.	0.6	0
41	In situ effect of a CPP-ACP chewing gum on enamel erosion associated or not with abrasion. Clinical Oral Investigations, 2017, 21, 339-346.	3.0	12
42	Remineralization of natural early caries lesions in vitro by P₁₁ monitored with photothermal radiometry and luminescence. Journal of Investigative and Clinical Dentistry, 2017, 8, e12257.	1.8	41
43	Evaluation of the caries-preventive effect of toothpaste containing surface prereacted glass-ionomer filler. Journal of Investigative and Clinical Dentistry, 2017, 8, e12249.	1.8	12
44	Comparison of The Canary System and <sc>DIAGNO</sc>dent for the in vitro detection of caries under opaque dental sealants. Journal of Investigative and Clinical Dentistry, 2017, 8, e12239.	1.8	14
45	Multi-Centre Clinical Evaluation of Photothermal Radiometry and Luminescence Correlated with International Benchmarks for Caries Detection. Open Dentistry Journal, 2017, 11, 636-647.	0.5	11
46	In Vitro Detection of Caries Around Amalgam Restorations Using Four Different Modalities. Open Dentistry Journal, 2017, 11, 609-620.	0.5	9
47	Correlation with Caries Lesion Depth of The Canary System, DIAGNOdent and ICDAS II. Open Dentistry Journal, 2017, 11, 679-689.	0.5	24
48	The effectiveness of an NaF rinse containing fTCP on eroded enamel remineralization. Zeitschrift Fur Gesundheitswissenschaften, 2016, 24, 147-152.	1.6	2
49	Proximal caries lesion detection using the <sc>C</sc>anary <sc>C</sc>aries <sc>D</sc>etection <sc>S</sc>ystem: an <i>in vitro</i> study. Journal of Investigative and Clinical Dentistry, 2016, 7, 383-390.	1.8	21
50	Factors influencing the caries experience of 6 and 12 year old children in Riga, Latvia. Stomatologija, 2016, 18, 14-20.	0.3	3
51	The dynamic behavior of the early dental caries lesion in caries-active adults and implications. Community Dentistry and Oral Epidemiology, 2015, 43, 208-216.	1.9	10
52	Remineralization Therapies for Initial Caries Lesions. Current Oral Health Reports, 2015, 2, 95-101.	1.6	44
53	Prevention and Control of Dental Erosion: Professional Clinic Care. , 2015, , 151-168.		4
54	Effect of theobromine-containing toothpaste on dentin tubule occlusion in situ. Clinical Oral Investigations, 2015, 19, 109-116.	3.0	21

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55	The Prevalence of Early Childhood Caries among 24 to 36 Months Old Children of Iran: Using the Novel ICDAS-II Method. <i>Journal of Dentistry</i> , 2015, 16, 362-70.	0.1	8
56	Evaluation of nanohydroxyapatite-containing toothpaste for occluding dentin tubules. <i>American Journal of Dentistry</i> , 2015, 28, 33-9.	0.1	16
57	Truncated-correlation photothermal coherence tomography of artificially demineralized animal bones: two- and three-dimensional markers for mineral loss monitoring. <i>Journal of Biomedical Optics</i> , 2014, 19, 026015.	2.6	14
58	Visual scoring of non cavitated caries lesions and clinical trial efficiency, testing xylitol in caries-active adults. <i>Community Dentistry and Oral Epidemiology</i> , 2014, 42, 271-278.	1.9	7
59	Influence of anti-asthmatic medications on dental caries in children in Slovenia. <i>International Journal of Paediatric Dentistry</i> , 2013, 23, 188-196.	1.8	20
60	Fluorides and Non-Fluoride Remineralization Systems. <i>Monographs in Oral Science</i> , 2013, 23, 15-26.	1.8	78
61	Results from the Xylitol for Adult Caries Trial (X-ACT). <i>Journal of the American Dental Association</i> , 2013, 144, 21-30.	1.5	40
62	<i>In-vitro</i> detection of artificial caries on vertical dental cavity walls using infrared photothermal radiometry and modulated luminescence. <i>Journal of Biomedical Optics</i> , 2012, 17, 127001.	2.6	3
63	Risk indicators for the presence and extent of root caries among caries-active adults enrolled in the Xylitol for Adult Caries Trial (X-ACT). <i>Clinical Oral Investigations</i> , 2012, 16, 1647-1657.	3.0	15
64	In situ remineralization of white-spot enamel lesions by 500 and 1,100 μm^2 dentifrices. <i>Clinical Oral Investigations</i> , 2012, 16, 1007-1014.	3.0	23
65	Antimicrobial activity of nanoemulsion on cariogenic planktonic and biofilm organisms. <i>Archives of Oral Biology</i> , 2012, 57, 15-22.	1.8	53
66	In situ remineralisation of eroded enamel lesions by NaF rinses. <i>Archives of Oral Biology</i> , 2012, 57, 525-530.	1.8	38
67	Examiner training and reliability in two randomized clinical trials of adult dental caries. <i>Journal of Public Health Dentistry</i> , 2011, 71, 335-344.	1.2	24
68	Antimicrobial activity of nanoemulsion on cariogenic <i>Streptococcus mutans</i> . <i>Archives of Oral Biology</i> , 2011, 56, 437-445.	1.8	65
69	Quantitative remineralization evolution kinetics of artificially demineralized human enamel using photothermal radiometry and modulated luminescence. <i>Journal of Biophotonics</i> , 2011, 4, 788-804.	2.3	12
70	Thermophotonic radar imaging: An emissivity-normalized modality with advantages over phase lock-in thermography. <i>Applied Physics Letters</i> , 2011, 98, .	3.3	99
71	Quantitative evaluation of the kinetics of human enamel simulated caries using photothermal radiometry and modulated luminescence. <i>Journal of Biomedical Optics</i> , 2011, 16, 071406.	2.6	19
72	Thermophotonic lock-in imaging of early demineralized and carious lesions in human teeth. <i>Journal of Biomedical Optics</i> , 2011, 16, 071402.	2.6	37

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73	Design of the Xylitol for Adult Caries Trial (X-ACT). BMC Oral Health, 2010, 10, 22.	2.3	14
74	Four "lessons learned" while implementing a multi-site caries prevention trial. Journal of Public Health Dentistry, 2010, 70, 171-175.	1.2	9
75	Remineralization of eroded enamel by a NaF rinse containing a novel calcium phosphate agent in an in situ model: a pilot study. Clinical, Cosmetic and Investigational Dentistry, 2010, 2, 93.	1.6	16
76	Optothermophysical properties of demineralized human dental enamel determined using photothermally generated diffuse photon density and thermal-wave fields. Applied Optics, 2010, 49, 6938.	2.1	18
77	Monitoring bacterial-demineralization of human dentine by electrochemical impedance spectroscopy. Journal of Dentistry, 2010, 38, 138-148.	4.1	14
78	Anti-cariogenic effect of a cetylpyridinium chloride-containing nanoemulsion. Journal of Dentistry, 2010, 38, 742-749.	4.1	54
79	Emerging technologies for diagnosis of dental caries: The road so far. Journal of Applied Physics, 2009, 105, .	2.5	69
80	Current erosion indices "flawed or valid? Summary. Clinical Oral Investigations, 2008, 12, 59-63.	3.0	42
81	In vitro detection and quantification of enamel and root caries using infrared photothermal radiometry and modulated luminescence. Journal of Biomedical Optics, 2008, 13, 034025.	2.6	36
82	Experimental investigation of demineralization and remineralization of human teeth using infrared photothermal radiometry and modulated luminescence. Proceedings of SPIE, 2008, , .	0.8	7
83	Detection of interproximal demineralized lesions on human teeth in vitro using frequency-domain infrared photothermal radiometry and modulated luminescence. Journal of Biomedical Optics, 2007, 12, 034028.	2.6	38
84	Photothermal detection of incipient dental caries: experiment and modeling. Proceedings of SPIE, 2007, , .	0.8	6
85	Quantification of root caries using optical coherence tomography and microradiography: a correlational study. Oral Health & Preventive Dentistry, 2004, 2, 377-82.	0.5	28
86	Correlation of quantitative light-induced fluorescence and optical coherence tomography applied for detection and quantification of early dental caries. Journal of Biomedical Optics, 2003, 8, 642.	2.6	111
87	Quantitative light-induced fluorescence: A potential tool for general dental assessment. Journal of Biomedical Optics, 2002, 7, 7.	2.6	82
88	Caries inhibiting and remineralizing effect of xylitol in vitro.. Journal of Oral Science, 1999, 41, 71-76.	1.7	20
89	Clinical Trial of the Canary System for Proximal Caries Detection: A Comparative Study. Current Journal of Applied Science and Technology, 0, , 38-50.	0.3	3