Avijit Banerjee

List of Publications by Year
in descending order

137	5,064	101535	102480
papers	citations	36 h-index	66 g-index

144	144	144	3462
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	BiodentineTM Clinical Applications in Vital Pulp Therapy in Permanent Teeth. , 2022, , 67-86.		0
2	In Vitro Analysis of Organic Ester Functional Groups in Carious Dentine. Applied Sciences (Switzerland), 2022, 12, 1088.	2.5	1
3	In-vitro adhesive and interfacial analysis of a phosphorylated resin polyalkenoate cement bonded to dental hard tissues.. Journal of Dentistry, 2022, 118, 104050.	4.1	2
4	A Systematic Review and Meta-Analysis of the Role of Sugar-Free Chewing Gum on Plaque Quantity in the Oral Cavity. Frontiers in Oral Health, 2022, 3, 845921.	3.0	5
5	A scoping literature review on minimum intervention dentistry for children with dental caries. British Dental Journal, 2022, , .	0.6	2
6	Pulpotomy for the Management of Irreversible Pulpitis in Mature Teeth (PIP): a feasibility study. Pilot and Feasibility Studies, 2022, 8, 77.	1.2	6
7	An in-vitro investigation of the bond strength of experimental ion-releasing dental adhesives to caries-affected dentine after 1 year of water storage. Journal of Dentistry, 2022, 119, 104075.	4.1	5
8	Management of compromised first permanent molars in a cohort of UK paediatric patients referred to hospitalâ€based services. International Journal of Paediatric Dentistry, 2022, 32, 724-736.	1.8	2
9	Minimum intervention oral care delivery for children: developing the oral healthcare team. Dental Update, 2022, 49, 424-430.	0.2	2
10	Biochemical characterisation of carious dentine zones using Raman spectroscopy. Journal of Dentistry, 2021, 105, 103558.	4.1	9
11	A systematic review and meta-analysis of the role of sugar-free chewing gum on Streptococcus mutans. BMC Oral Health, 2021, 21, 217.	2.3	5
12	Identifying Risk Factors Affecting the Usage of Digital and Social Media: A Preliminary Qualitative Study in the Dental Profession and Dental Education. Dentistry Journal, 2021, 9, 53.	2.3	9
13	Selective Caries Removal in Permanent Teeth (SCRiPT) for the treatment of deep carious lesions: a randomised controlled clinical trial in primary care. BMC Oral Health, 2021, 21, 336.	2.3	11
14	An in-vitro study investigating the effect of air-abrasion bioactive glasses on dental adhesion, cytotoxicity and odontogenic gene expression. Dental Materials, 2021, 37, 1734-1750.	3.5	11
15	Conventional glass-ionomer cements: a guide for practitioners. Dental Update, 2021, 48, 643-650.	0.2	3
16	Evaluation of two conservative different treatment protocols for symptomatic proximal deep caries management in molar teeth; an 18-month clinical report. Endodontology, 2021, 33, 120.	0.3	0
17	Commercially Available Ion-Releasing Dental Materials and Cavitated Carious Lesions: Clinical Treatment Options. Materials, 2021, 14, 6272.	2.9	6
18	From 'ICDAS' to 'CariesCare International': the 20-year journey building international consensus to take caries evidence into clinical practice. British Dental Journal, 2021, 231, 769-774.	0.6	11

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19	New UK Chapter of the Alliance for a Cavity-Free Future. British Dental Journal, 2021, 231, 781-786.	0.6	0
20	In vitro compressive strength and edge stability testing of directly repaired glass-ionomer cements. Clinical Oral Investigations, 2020, 24, 3029-3038.	3.0	5
21	A Systematic Review and Meta-Analysis of the Role of Sugar-Free Chewing Gum in Dental Caries. JDR Clinical and Translational Research, 2020, 5, 214-223.	1.9	21
22	Minimum intervention oral healthcare delivery - is there consensus?. British Dental Journal, 2020, 229, 393-395.	0.6	22
23	Contemporary restorative ion-releasing materials: current status, interfacial properties and operative approaches. British Dental Journal, 2020, 229, 450-458.	0.6	23
24	Minimally invasive judgement calls: managing compromised first permanent molars in children. British Dental Journal, 2020, 229, 459-465.	0.6	12
25	When to intervene in the caries process? A Delphi consensus statement. British Dental Journal, 2020, 229, 474-482.	0.6	21
26	Minimum intervention oral healthcare for people with dental phobia: a patient management pathway. British Dental Journal, 2020, 229, 417-424.	0.6	10
27	Chemo-mechanical characterization of carious dentine using Raman microscopy and Knoop microhardness. Royal Society Open Science, 2020, 7, 200404.	2.4	7
28	An in vitro assessment of the physical properties of manually- mixed and encapsulated glass-ionomer cements. BDJ Open, 2020, 6, 12.	2.1	14
29	Self-Limiting versus Rotary Subjective Carious Tissue Removal: A Randomized Controlled Clinical Trialâ€"2-Year Results. Journal of Clinical Medicine, 2020, 9, 2738.	2.4	6
30	Minimally Invasive Selective Caries Removal put into Practice. Dental Update, 2020, 47, 841-847.	0.2	3
31	How to Intervene in the Caries Process in Older Adults: A Joint ORCA and EFCD Expert Delphi Consensus Statement. Caries Research, 2020, 54, 459-465.	2.0	24
32	A curriculum for behaviour and oral healthcare management for dentally anxious childrenâ€"Recommendations from the Children Experiencing Dental Anxiety: Collaboration on Research and Education (CEDACORE). International Journal of Paediatric Dentistry, 2020, 30, 556-569.	1.8	8
33	How to Intervene in the Caries Process in Children: A Joint ORCA and EFCD Expert Delphi Consensus Statement. Caries Research, 2020, 54, 297-305.	2.0	59
34	How to intervene in the caries process in adults: proximal and secondary caries? An EFCD-ORCA-DGZ expert Delphi consensus statement. Clinical Oral Investigations, 2020, 24, 3315-3321.	3.0	27
35	Response to letter to the editor by Jan KÃ¼hnisch. Clinical Oral Investigations, 2020, 24, 2139-2140.	3.0	0
36	Secondary caries: what is it, and how it can be controlled, detected, and managed?. Clinical Oral Investigations, 2020, 24, 1869-1876.	3.0	81

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37	Caries Risk Assessment. , 2020, , 89-100.		4
38	'MI' reflections on a pandemic-governed 2020. Oral Health & Preventive Dentistry, 2020, 18, 1-2.	0.5	1
39	Engineering Solutions for Cranio-Maxillo-Facial Rehabilitation and Oro-Dental Healthcare. Journal of Healthcare Engineering, 2019, 2019, 1-3.	1.9	1
40	Restorative intervention thresholds and treatment decisions of general dental practitioners in London. British Dental Journal, 2019, 227, 727-732.	0.6	9
41	When to intervene in the caries process? An expert Delphi consensus statement. Clinical Oral Investigations, 2019, 23, 3691-3703.	3.0	105
42	CariesCare practice guide: consensus on evidence into practice. British Dental Journal, 2019, 227, 353-362.	0.6	104
43	The impact of dental phobia on care planning: a vignette study. British Dental Journal, 2019, 226, 581-587.	0.6	3
44	Chitosan-bioglass complexes promote subsurface remineralisation of incipient human carious enamel lesions. Journal of Dentistry, 2019, 84, 67-75.	4.1	31
45	An integrated multifunctional hybrid cement (pRMGIC) for dental applications. Dental Materials, 2019, 35, 636-649.	3.5	6
46	Evaluation of the efficacy of calcium silicate vs. glass ionomer cement indirect pulp capping and restoration assessment criteria: a randomised controlled clinical trialâ€”2-year results. Clinical Oral Investigations, 2019, 23, 1931-1939.	3.0	40
47	Remineralisation of enamel white spot lesions pre-treated with chitosan in the presence of salivary pellicle. Journal of Dentistry, 2018, 72, 21-28.	4.1	28
48	Survey of treatment policies under conscious sedation at centres dealing with people with high levels of dental anxiety across the United Kingdom. British Dental Journal, 2018, 224, 627-632.	0.6	5
49	Selective Removal of Carious Dentin. , 2018, , 55-70.		4
50	The effect of dentine pre-treatment using bioglass and/or polyacrylic acid on the interfacial characteristics of resin-modified glass ionomer cements. Journal of Dentistry, 2018, 73, 32-39.	4.1	19
51	Cellular differentiation, bioactive and mechanical properties of experimental light-curing pulp protection materials. Dental Materials, 2018, 34, 868-878.	3.5	18
52	The record and delivery of caries prevention for children in a primary care setting: a multi-practice collaborative clinical audit. British Dental Journal, 2018, 224, 809-814.	0.6	1
53	Self-Limiting versus Conventional Caries Removal: A Randomized Clinical Trial. Journal of Dental Research, 2018, 97, 1207-1213.	5.2	26
54	In-vitro subsurface remineralisation of artificial enamel white spot lesions pre-treated with chitosan. Dental Materials, 2018, 34, 1154-1167.	3.5	32

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55	The Effect of Radiotherapy for Treatment of Head and Neck Cancer on Oral Flora and Saliva. Oral Health & Preventive Dentistry, 2018, 16, 425-429.	0.5	22
56	In vitroRemineralization of Caries-affected Dentin after Selective Carious Tissue Removal. World Journal of Dentistry, 2018, 9, 170-179.	0.3	7
57	Evaluating the Clinical Use of Light-emitting Diode vs Halogen Photocuring Units. Oral Health & Preventive Dentistry, 2018, 16, 21-25.	0.5	4
58	The oral health of individuals with dental phobia: a multivariate analysis of the Adult Dental Health Survey, 2009. British Dental Journal, 2017, 222, 595-604.	0.6	20
59	Assessing the Risk of Developing Carious Lesions in Root Surfaces. Monographs in Oral Science, 2017, 26, 55-62.	1.8	5
60	'Minimum intervention' â€“ MI inspiring future oral healthcare?. British Dental Journal, 2017, 223, 133-135.	0.6	32
61	Minimally invasive direct restorations: a practical guide. British Dental Journal, 2017, 223, 163-171.	0.6	31
62	Caries risk/susceptibility assessment: its value in minimum intervention oral healthcare. British Dental Journal, 2017, 223, 191-197.	0.6	45
63	Contemporary operative caries management: consensus recommendations on minimally invasive caries removal. British Dental Journal, 2017, 223, 215-222.	0.6	122
64	A guide to building 'MI' oral healthcare practice. British Dental Journal, 2017, 223, 223-227.	0.6	4
65	Dental education: Potentially damaging disconnect. British Dental Journal, 2017, 222, 909-909.	0.6	1
66	Minimum Intervention (MI) Oral Healthcare Delivery Implementation â€“ Overcoming the Hurdles. Primary Dental Journal, 2017, 6, 28-33.	0.6	8
67	Managing Carious Lesions: Consensus Recommendations on Terminology. Advances in Dental Research, 2016, 28, 49-57.	3.6	246
68	Managing Carious Lesions. Advances in Dental Research, 2016, 28, 58-67.	3.6	493
69	Resin-bonded bridges â€“ the problem or the solution? part 1: assessment and design. Dental Update, 2016, 43, 506-521.	0.2	15
70	Resin-bonded bridges â€“ the problem or the solution? part 2: practical techniques. Dental Update, 2016, 43, 608-616.	0.2	8
71	The effect of air-abrasion on the susceptibility of sound enamel to acid challenge. Journal of Dentistry, 2016, 46, 36-41.	4.1	9
72	The Role of Glass-Ionomer Cements in Minimum Intervention (MI) Caries Management. , 2016, , 81-96.		3

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73	Effect of adhesive materials on shear bond strength of a mineral trioxide aggregate. American Journal of Dentistry, 2016, 29, 46-50.	0.1	3
74	Prevention and Personal Responsibility. Oral Health & Preventive Dentistry, 2016, 14, 3-4.	0.5	1
75	The International Caries Classification and Management System (ICCMSâ„¢) An Example of a Caries Management Pathway. BMC Oral Health, 2015, 15, S9.	2.3	144
76	Minimally invasive long-term management of direct restorations: the â€˜5 rsâ€™. Dental Update, 2015, 42, 413-426.	0.2	31
77	The Contemporary Practice of Minimally Invasive Dentistry. Faculty Dental Journal, 2015, 6, 78-85.	0.2	8
78	Oral health status of non-phobic and dentally phobic individuals; a secondary analysis of the 2009 Adult Dental Health Survey. British Dental Journal, 2015, 219, E9-E9.	0.6	30
79	Clinical and Radiographic Assessment of the Efficacy of Calcium Silicate Indirect Pulp Capping. Journal of Dental Research, 2015, 94, 562-568.	5.2	122
80	Surface pre-conditioning with bioactive glass air-abrasion can enhance enamel white spot lesion remineralization. Dental Materials, 2015, 31, 522-533.	3.5	37
81	An MMP-inhibitor modified adhesive primer enhances bond durability to carious dentin. Dental Materials, 2015, 31, 594-602.	3.5	22
82	Essentials of minimally invasive operative dentistry. , 2015, , .		14
83	Comparison of bacterial culture and 16S rRNA community profiling by clonal analysis and pyrosequencing for the characterization of the dentine caries-associated microbiome. Frontiers in Cellular and Infection Microbiology, 2014, 4, 164.	3.9	47
84	The Minimally Invasive Management of Early Occlusal Caries: A Practical Guide. Primary Dental Journal, 2014, 3, 34-41.	0.6	10
85	The physical characteristics of resin compositeâ€“calcium silicate interface as part of a layered/laminate adhesive restoration. Dental Materials, 2014, 30, 343-349.	3.5	97
86	Work to make simulation work: â€˜Realismâ€™, instructional correction and the body in training. Discourse Studies, 2014, 16, 247-269.	1.3	41
87	Bio-active glass air-abrasion has the potential to remove resin composite restorative material selectively. Applied Surface Science, 2014, 303, 272-276.	6.1	1
88	In Vitro Effect of Air-abrasion Operating Parameters on Dynamic Cutting Characteristics of Alumina and Bio-active Glass Powders. Operative Dentistry, 2014, 39, 81-89.	1.2	11
89	Enamel white spot lesions can remineralise using bio-active glass and polyacrylic acid-modified bio-active glass powders. Journal of Dentistry, 2014, 42, 158-166.	4.1	83
90	An InÂVitro Comparison of the Accuracy of Measurements Obtained from High- and Low-resolution Cone-beam Computed Tomography Scans. Journal of Endodontics, 2013, 39, 394-397.	3.1	19

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91	Minimal intervention dentistry: part 7. Minimally invasive operative caries management: rationale and techniques. British Dental Journal, 2013, 214, 107-111.	0.6	91
92	'MI'opia or 20/20 vision?. British Dental Journal, 2013, 214, 101-105.	0.6	27
93	The Contemporary Approach to Tooth Preservation: Minimum Intervention (MI) Caries Management in General Practice. Primary Dental Journal, 2013, 2, 30-37.	0.6	45
94	Effects of MMP Inhibitors Incorporated within Dental Adhesives. Journal of Dental Research, 2012, 91, 605-611.	5.2	75
95	The role of the general dental practitioner in managing the oral care of head and neck oncology patients. Dental Update, 2012, 39, 694-702.	0.2	25
96	First impressions count. Dental Update, 2012, 39, 455-471.	0.2	6
97	One-bottle self-etching adhesives applied to dentine air-abraded using bioactive glasses containing polyacrylic acid: An in vitro microtensile bond strength and confocal microscopy study. Journal of Dentistry, 2012, 40, 896-905.	4.1	43
98	Researching haptics in higher education: The complexity of developing haptics virtual learning systems and evaluating its impact on studentsâ€™ learning. Computers and Education, 2012, 59, 156-166.	8.3	35
99	Microbiochemical Analysis of Carious Dentine Using Raman and Fluorescence Spectroscopy. Caries Research, 2012, 46, 432-440.	2.0	64
100	Factors Affecting Survival and Usefulness of Implants Placed in Vascularized Free Composite Grafts Used in Postâ€“Head and Neck Cancer Reconstruction. Clinical Implant Dentistry and Related Research, 2012, 14, 266-272.	3.7	41
101	Influence of airâ€abrasion executed with polyacrylic acidâ€Bioglass 45S5 on the bonding performance of a resinâ€modified glass ionomer cement. European Journal of Oral Sciences, 2012, 120, 168-177.	1.5	42
102	Retention of orthodontic brackets bonded with resin-modified GIC versus composite resin adhesivesâ€”a quantitative systematic review of clinical trials. Clinical Oral Investigations, 2012, 16, 1-14.	3.0	20
103	Minimally invasive caries removal using bio-active glass air-abrasion. Journal of Dentistry, 2011, 39, 2-7.	4.1	43
104	Contemporary adhesive bonding: bridging the gap between research and clinical practice. Dental Update, 2011, 38, 439-449.	0.2	12
105	An in vitro evaluation of selective demineralised enamel removal using bio-active glass air abrasion. Clinical Oral Investigations, 2011, 15, 895-900.	3.0	22
106	Gastro-Oesophageal Reflux Disease Symptoms and Tooth Wear in Patients with SjÃ¶grenâ€™s Syndrome. Caries Research, 2011, 45, 323-326.	2.0	8
107	Atraumatic restorative treatment versus amalgam restoration longevity: a systematic review. Clinical Oral Investigations, 2010, 14, 233-240.	3.0	110
108	A confocal microâ€endoscopic investigation of the relationship between the microhardness of carious dentine and its autofluorescence. European Journal of Oral Sciences, 2010, 118, 75-79.	1.5	23

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109	A clinical evaluation and comparison of bioactive glass and sodium bicarbonate air-polishing powders. Journal of Dentistry, 2010, 38, 475-479.	4.1	59
110	An in vitro evaluation of microtensile bond strengths of two adhesive bonding agents to residual dentine after caries removal using three excavation techniques. Journal of Dentistry, 2010, 38, 480-489.	4.1	39
111	An In-vitro Investigation of the Effects of Variable Operating Parameters on Alumina Air-abrasion Cutting Characteristics. Operative Dentistry, 2009, 34, 87-92.	1.2	13
112	An in vitro evaluation of the efficiency of an air-abrasion system using helium as a propellant. Dental Materials, 2009, 25, 1442-1445.	3.5	3
113	An in vitro investigation of the effectiveness of bioactive glass airâ€abrasion in the â€˜selectiveâ€™ removal of orthodontic resin adhesive. European Journal of Oral Sciences, 2008, 116, 488-492.	1.5	56
114	An in vitro investigation of the effect and retention of bioactive glass air-abrasive on sound and carious dentine. Journal of Dentistry, 2008, 36, 214-218.	4.1	32
115	An investigation of the effect of powder reservoir volume on the consistency of alumina powder flow rates in dental air-abrasion devices. Journal of Dentistry, 2008, 36, 224-227.	4.1	15
116	An in vivo investigation of associations between saliva properties, caries prevalence and potential lesion activity in an adult UK population. Journal of Dentistry, 2008, 36, 294-299.	4.1	42
117	Operative Dentistry and the Abuse of Dental Hard Tissues: Confocal Microscopical Imaging of Cutting. Operative Dentistry, 2008, 33, 215-224.	1.2	9
118	Management of the Petrified Dental Patient. Dental Update, 2008, 35, 196-207.	0.2	23
119	Timeâ€correlated singleâ€photon counting fluorescence lifetime confocal imaging of decayed and sound dental structures with a whiteâ€light supercontinuum source. Journal of Microscopy, 2007, 225, 126-136.	1.8	26
120	Microhardness as a Predictor of Sound and Carious Dentine Removal Using Alumina Air Abrasion. Caries Research, 2006, 40, 292-295.	2.0	20
121	An in vitro investigation of microtensile bond strengths of two dentine adhesives to caries-affected dentine. Journal of Dentistry, 2005, 33, 335-342.	4.1	37
122	Molecular Analysis of the Microflora Associated with Dental Caries. Journal of Clinical Microbiology, 2004, 42, 3023-3029.	3.9	353
123	Relationship between S. mutans and the autofluorescence of carious dentin. American Journal of Dentistry, 2004, 17, 233-6.	0.1	13
124	Clinical Trial of an Air-Abrasion/Chemomechanical Operative Procedure for the Restorative Treatment of Dental Patients. Caries Research, 2003, 37, 360-364.	2.0	69
125	Relationships between a Clinical-Visual Scoring System and Two Histological Techniques: A Laboratory Study on Occlusal and Approximal Carious Lesions. Caries Research, 2003, 37, 125-129.	2.0	22
126	In vitro validation of carious dentin removed using different excavation criteria. American Journal of Dentistry, 2003, 16, 228-30.	0.1	37

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127	Air Abrasion: Its Uses and Abuses. Dental Update, 2002, 29, 340-346.	0.2	21
128	A method for the detection and quantification of bacteria in human carious dentine using fluorescent in situ hybridisation. Journal of Dentistry, 2002, 30, 359-363.	4.1	36
129	Dentine caries: take it or leave it?. South African Dental Journal, 2001, 56, 186-92.	0.2	5
130	Dentine Caries: Take It or Leave It?. Dental Update, 2000, 27, 272-276.	0.2	66
131	Dentine caries excavation: a review of current clinical techniques. British Dental Journal, 2000, 188, 476-482.	0.6	213
132	In vitro Evaluation of Five Alternative Methods of Carious Dentine Excavation. Caries Research, 2000, 34, 144-150.	2.0	190
133	Scanning electron microscopic observations of human dentine after mechanical caries excavation. Journal of Dentistry, 2000, 28, 179-186.	4.1	103
134	A confocal microscopic study relating the autofluorescence of carious dentine to its microhardnes. British Dental Journal, 1999, 187, 206-210.	0.6	46
135	A confocal microscopic study relating the autofluorescence of carious dentine to its microhardness. British Dental Journal, 1999, 187, 206-210.	0.6	37
136	Autofluorescence and Mineral Content of Carious Dentine: Scanning Optical and Backscattered Electron Microscopic Studies. Caries Research, 1998, 32, 219-226.	2.0	58
137	Should compromised first permanent molar teeth in children be routinely removed? A health economics analysis. Community Dentistry and Oral Epidemiology, 0, , .	1.9	0