

Brian W Darvell

List of Publications by Year in descending order

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241
papers

7,167
citations

61984

43
h-index

69250

77
g-index

263
all docs

263
docs citations

263
times ranked

6316
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal cycling procedures for laboratory testing of dental restorations. <i>Journal of Dentistry</i> , 1999, 27, 89-99.	4.1	953
2	Effects of strontium in modified biomaterials. <i>Acta Biomaterialia</i> , 2011, 7, 800-808.	8.3	249
3	“MTA” An Hydraulic Silicate Cement: Review update and setting reaction. <i>Dental Materials</i> , 2011, 27, 407-422.	3.5	184
4	Apatite-formation ability “ Predictor of “bioactivity”. <i>Acta Biomaterialia</i> , 2010, 6, 4181-4188.	8.3	174
5	Defects in ProTaper S1 instruments after clinical use: fractographic examination. <i>International Endodontic Journal</i> , 2005, 38, 802-809.	5.0	159
6	A portable fracture toughness tester for biological materials. <i>Measurement Science and Technology</i> , 1996, 7, 954-962.	2.6	155
7	Uniaxial compression tests and the validity of indirect tensile strength. <i>Journal of Materials Science</i> , 1990, 25, 757-780.	3.7	151
8	Artificial salivas for in vitro studies of dental materials. <i>Journal of Dentistry</i> , 1997, 25, 475-484.	4.1	136
9	Colour Cues for Leaf Food Selection by Long-Tailed Macaques (<i>Macaca fascicularis</i>) with a New Suggestion for the Evolution of Trichromatic Colour Vision. <i>Folia Primatologica</i> , 1998, 69, 139-154.	0.7	134
10	Polymerization of resin composite restorative materials: exposure reciprocity. <i>Dental Materials</i> , 2003, 19, 531-541.	3.5	134
11	Field Kit to Characterize Physical, Chemical and Spatial Aspects of Potential Primate Foods. <i>Folia Primatologica</i> , 2001, 72, 11-25.	0.7	132
12	Curing-light attenuation in filled-resin restorative materials. <i>Dental Materials</i> , 2006, 22, 804-817.	3.5	129
13	Solubility of strontium-substituted apatite by solid titration. <i>Acta Biomaterialia</i> , 2009, 5, 1678-1685.	8.3	129
14	Bone regeneration: importance of local pH “strontium-doped borosilicate scaffold. <i>Journal of Materials Chemistry</i> , 2012, 22, 8662.	6.7	128
15	EVOLUTION AND FUNCTION OF ROUTINE TRICHROMATIC VISION IN PRIMATES. <i>Evolution; International Journal of Organic Evolution</i> , 2003, 57, 2636-2643.	2.3	127
16	Refining the Estimate of the Critical Period for Susceptibility to Enamel Fluorosis in Human Maxillary Central Incisors. <i>Journal of Public Health Dentistry</i> , 1995, 55, 238-249.	1.2	120
17	Synthesis and characterization of hydroxyapatite whiskers by hydrothermal homogeneous precipitation using acetamide. <i>Acta Biomaterialia</i> , 2010, 6, 3216-3222.	8.3	105
18	Contamination of titanium castings by aluminium oxide blasting. <i>Journal of Dentistry</i> , 1995, 23, 319-322.	4.1	99

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19	Water sorption and mechanical behaviour of cosmetic direct restorative materials in artificial saliva. <i>Dental Materials</i> , 2001, 17, 394-401.	3.5	94
20	Mechanical properties of hydroxyapatite whisker-reinforced bis-GMA-based resin composites. <i>Dental Materials</i> , 2012, 28, 824-830.	3.5	92
21	Interfacial pH: A Critical Factor for Osteoporotic Bone Regeneration. <i>Langmuir</i> , 2011, 27, 2701-2708.	3.5	90
22	Alkaline biodegradable implants for osteoporotic bone defectsâ€™ importance of microenvironment pH. <i>Osteoporosis International</i> , 2016, 27, 93-104.	3.1	89
23	Calcium Phosphate Solubility: The Need for Re-Evaluation. <i>Crystal Growth and Design</i> , 2009, 9, 639-645.	3.0	88
24	Morphology and structural characteristics of hydroxyapatite whiskers: Effect of the initial Ca concentration, Ca/P ratio and pH. <i>Acta Biomaterialia</i> , 2011, 7, 2960-2968.	8.3	87
25	Effect of Carbonate on Hydroxyapatite Solubility. <i>Crystal Growth and Design</i> , 2010, 10, 845-850.	3.0	86
26	The physical mechanisms of complete denture retention. <i>British Dental Journal</i> , 2000, 189, 248-252.	0.6	76
27	Hydroxyapatite solubility in simple inorganic solutions. <i>Archives of Oral Biology</i> , 2004, 49, 359-367.	1.8	76
28	Fatigue testing of a NiTi rotary instrument. Part 1: strain?life relationship. <i>International Endodontic Journal</i> , 2007, 40, 612-618.	5.0	72
29	Reaction of silver diamine fluoride with hydroxyapatite and protein. <i>Journal of Dentistry</i> , 2011, 39, 612-618.	4.1	72
30	Sintering of dental porcelain: effect of time and temperature on appearance and porosity. <i>Dental Materials</i> , 2002, 18, 163-173.	3.5	71
31	Aspects of water sorption from the air, water and artificial saliva in resin composite restorative materials. <i>Dental Materials</i> , 2003, 19, 414-422.	3.5	70
32	The heat evolved and temperatures attained during setting of restorative materials. <i>British Dental Journal</i> , 1974, 137, 233-238.	0.6	70
33	Low-cycle fatigue of NiTi rotary instruments of various cross-sectional shapes. <i>International Endodontic Journal</i> , 2007, 40, 626-632.	5.0	68
34	Preparation of hollow hydroxyapatite microspheres. <i>Journal of Materials Science: Materials in Medicine</i> , 2006, 17, 641-646.	3.6	66
35	Effect of Environment on Low-cycle Fatigue of a Nickelâ€™Titanium Instrument. <i>Journal of Endodontics</i> , 2007, 33, 1433-1437.	3.1	65
36	Minimization of the inevitable residual monomer in denture base acrylic. <i>Dental Materials</i> , 2005, 21, 1119-1128.	3.5	63

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37	Fatigue testing of a NiTi rotary instrument. Part 2: fractographic analysis. International Endodontic Journal, 2007, 40, 619-625.	5.0	57
38	Effect of thermal treatment on carbonated hydroxyapatite: Morphology, composition, crystal characteristics and solubility. Ceramics International, 2015, 41, 6149-6157.	4.8	55
39	The evolution of the complete denture base. Theories of complete denture retention – A review. Part 1. Australian Dental Journal, 1993, 38, 216-219.	1.5	53
40	Solubility of hydroxyapatite by solid titration at pH 3–4. Archives of Oral Biology, 2007, 52, 618-624.	1.8	50
41	Materials Science for Dentistry. , 2009, , .		49
42	Does Electropolishing Improve the Low-cycle Fatigue Behavior of a Nickel–Titanium Rotary Instrument in Hypochlorite?. Journal of Endodontics, 2007, 33, 1217-1221.	3.1	47
43	Calcium phosphate system in saliva-like media. Journal of the Chemical Society, Faraday Transactions, 1991, 87, 1759.	1.7	45
44	Stress distribution and failure mode of dental ceramic structures under Hertzian indentation. Dental Materials, 2003, 19, 542-551.	3.5	45
45	Quantitative determination of radio-opacity: Equivalence of digital and film X-ray systems. Dental Materials, 2008, 24, 141-147.	3.5	44
46	Influence of surface treatment on the resin-bonding of zirconia. Dental Materials, 2015, 31, 657-668.	3.5	44
47	Effects of strain rate and temperature on the mechanical properties of resin composites. Dental Materials, 2004, 20, 750-765.	3.5	41
48	Indentation as a technique to assess the mechanical properties of fallback foods. American Journal of Physical Anthropology, 2009, 140, 643-652.	2.1	41
49	The development of an artificial saliva for in vitro amalgam corrosion studies. Journal of Oral Rehabilitation, 1978, 5, 41-49.	3.0	40
50	Three-dimensional reconstruction of microleakage pattern using a sequential grinding technique. Journal of Dentistry, 1994, 22, 370-375.	4.1	38
51	Nucleation of Strontium-Substituted Apatite. Crystal Growth and Design, 2009, 9, 3342-3345.	3.0	38
52	Low-cycle fatigue of rotary NiTi endodontic instruments in hypochlorite solution. Dental Materials, 2008, 24, 753-759.	3.5	37
53	Effects of pore shape and porosity on the properties of porous LNKN ceramics as bone substitute. Materials Chemistry and Physics, 2008, 109, 488-491.	4.0	36
54	Human salivary anionic analysis using ion chromatography. Archives of Oral Biology, 2004, 49, 863-869.	1.8	35

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55	Solubility of calcium fluoride and fluorapatite by solid titration. Archives of Oral Biology, 2007, 52, 861-868.	1.8	34
56	Colour and chemical stability of bismuth oxide in dental materials with solutions used in routine clinical practice. PLoS ONE, 2020, 15, e0240634.	2.5	34
57	A protocol for contact angle measurement. Journal Physics D: Applied Physics, 1990, 23, 1150-1155.	2.8	33
58	Dentine permeability and tracer tests. Journal of Dentistry, 1999, 27, 1-11.	4.1	32
59	Network competition in a resin-modified glass-ionomer cement. Dental Materials, 2008, 24, 1065-1069.	3.5	32
60	The bonding of cold-cured acrylic resin to acrylic denture teeth. Australian Dental Journal, 1995, 40, 241-245.	1.5	31
61	Comparison of defects in ProTaper hand-operated and engine-driven instruments after clinical use. International Endodontic Journal, 2007, 40, 169-178.	5.0	30
62	Effect of burnout temperature on strength of gypsum-bonded investments. Dental Materials, 2003, 19, 552-557.	3.5	27
63	Failure mode of dental restorative materials under Hertzian indentation. Dental Materials, 2007, 23, 1236-1244.	3.5	27
64	Dietary analysis I: Food physics. , 2003, , 184-198.		26
65	FORCE AND MOBILITY IN THE AGEING HUMAN TONGUE. Medical Journal of Australia, 1981, 1, 75-78.	1.7	25
66	The development of the dental high-speed air turbine handpiece. Part 1. Australian Dental Journal, 1993, 38, 49-58.	1.5	24
67	The development of the dental high-speed air turbine handpiece. Part 2*. Australian Dental Journal, 1993, 38, 131-143.	1.5	24
68	Constitution and morphology of hydroxyapatite whiskers prepared using amine additives. Journal of the European Ceramic Society, 2010, 30, 2041-2048.	5.7	24
69	Bioactivity of a Novel Nano-composite of Hydroxyapatite and Chitosan-Phosphorylated Chitosan Polyelectrolyte Complex. Journal of Bioactive and Compatible Polymers, 2008, 23, 520-531.	2.1	23
70	Growth of apatite on chitosan-multiwall carbon nanotube composite membranes. Applied Surface Science, 2009, 255, 8551-8555.	6.1	23
71	Inert to bioactive – A multidimensional spectrum. Dental Materials, 2022, 38, 2-6.	3.5	23
72	Dental air turbine handpiece performance testing*. Australian Dental Journal, 1995, 40, 330-338.	1.5	22

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73	Torque, power and efficiency characterization of dental air turbine handpieces. <i>Journal of Dentistry</i> , 1999, 27, 573-586.	4.1	22
74	Solubility of TTCP and β -TCP by solid titration. <i>Archives of Oral Biology</i> , 2009, 54, 671-677.	1.8	22
75	A rapid algorithm for solution of the equations of multiple equilibrium systems—RAMESES. <i>Talanta</i> , 1988, 35, 713-718.	5.5	21
76	Methyl methacrylate monomer-polymer equilibrium in solid polymer. <i>Dental Materials</i> , 2007, 23, 88-94.	3.5	21
77	Geometric, electronic and elastic properties of dental silver amalgam β -(Ag ₃ Sn), β -(Ag ₂ Hg ₃), β -(Sn ₈ Hg) phases, comparison of experiment and theory. <i>Intermetallics</i> , 2010, 18, 756-760.	3.9	21
78	Formation of Hydroxyapatite Whiskers by Hydrothermal Homogeneous Precipitation Using Acetamide. <i>Journal of the American Ceramic Society</i> , 2011, 94, 2007-2013.	3.8	21
79	Determinants of variation in dental caries experience in primary teeth of Hong Kong children aged 6-8 years. <i>Community Dentistry and Oral Epidemiology</i> , 1993, 21, 1-3.	1.9	20
80	Biomimetic synthesis of the composites of hydroxyapatite and chitosan-phosphorylated chitosan polyelectrolyte complex. <i>Materials Letters</i> , 2006, 60, 3533-3536.	2.6	20
81	Solid Titration of Octacalcium Phosphate. <i>Caries Research</i> , 2009, 43, 322-330.	2.0	20
82	Validation of ion chromatography for human salivary anionic analysis. <i>Archives of Oral Biology</i> , 2004, 49, 855-862.	1.8	19
83	Solubility of Dicalcium Phosphate Dihydrate by Solid Titration. <i>Caries Research</i> , 2009, 43, 254-260.	2.0	19
84	Influence of LED irradiance on flexural properties and Vickers hardness of resin-based composite materials. <i>Dental Materials</i> , 2010, 26, 148-155.	3.5	19
85	Failure and behavior in water of hydroxyapatite whisker-reinforced bis-GMA-based resin composites. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2012, 10, 39-47.	3.1	19
86	Factors Affecting Dental Air-Turbine Handpiece Bearing Failure. <i>Operative Dentistry</i> , 2012, 37, E1-E12.	1.2	18
87	Controlling dentine penetration in computer microleakage tracer mapping. <i>Journal of Dentistry</i> , 1997, 25, 129-136.	4.1	17
88	Flow and free running speed characterization of dental air turbine handpieces. <i>Journal of Dentistry</i> , 1999, 27, 465-477.	4.1	17
89	Effect of burnout temperature on strength of phosphate-bonded investments. <i>Journal of Dentistry</i> , 1997, 25, 153-160.	4.1	16
90	Chitosan-phosphorylated chitosan polyelectrolyte complex hydrogel as an osteoblast carrier. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2007, 82B, 481-486.	3.4	16

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91	Strength of phosphate-bonded investments at high temperature. <i>Dental Materials</i> , 1991, 7, 99-102.	3.5	15
92	The present status of dental rotary cutting performance tests*. <i>Australian Dental Journal</i> , 1995, 40, 50-60.	1.5	15
93	Adhesion Strength Testing – Time to Fail or a Waste of Time?. <i>Journal of Adhesion Science and Technology</i> , 2009, 23, 935-944.	2.6	15
94	Dental materials science: Research, testing and standards. <i>Dental Materials</i> , 2021, 37, 379-381.	3.5	15
95	Tooth wear and the position of the mental foramen. <i>American Journal of Physical Anthropology</i> , 1988, 77, 69-75.	2.1	14
96	Determination of the flexural modulus of elasticity of orthodontic archwires. <i>Dental Materials</i> , 2010, 26, 821-829.	3.5	14
97	Strength of Dispersalloy amalgam. <i>British Dental Journal</i> , 1976, 141, 273-275.	0.6	14
98	Effect of burnout temperatures on strength of phosphate-bonded investments – Part II: effect of metal temperature. <i>Journal of Dentistry</i> , 1997, 25, 423-430.	4.1	13
99	Rheology of dental waxes. <i>Dental Materials</i> , 2000, 16, 337-350.	3.5	13
100	Discharge of lubricant from air turbine handpieces. <i>British Dental Journal</i> , 2005, 198, 637-640.	0.6	13
101	Failure behavior of glass ionomer cement under Hertzian indentation. <i>Dental Materials</i> , 2008, 24, 1223-1229.	3.5	13
102	Hertzian load-bearing capacity of a ceramic-reinforced glass ionomer cement stored wet and dry. <i>Dental Materials</i> , 2009, 25, 952-955.	3.5	13
103	Solubility of Bovine-Derived Hydroxyapatite by Solid Titration, pH 3.5~5. <i>Crystal Growth and Design</i> , 2009, 9, 2816-2820.	3.0	13
104	Centers of rotation during jaw movements. <i>Acta Odontologica Scandinavica</i> , 1989, 47, 323-328.	1.6	12
105	Congenitally missing permanent mandibular incisors and their association with missing primary teeth in the Southern Chinese (Hong Kong). <i>Community Dentistry and Oral Epidemiology</i> , 1993, 21, 162-164.	1.9	12
106	Development of strength in dental silver amalgam. <i>Dental Materials</i> , 2012, 28, e207-e217.	3.5	12
107	On the permanence of tooth bleaching. <i>Dental Materials</i> , 2016, 32, 1281-1288.	3.5	12
108	The rameses algorithm for multiple equilibria – II Some further developments. <i>Talanta</i> , 1990, 37, 413-423.	5.5	11

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109	Aspects of the design of modern dental air turbine handpieces*. Australian Dental Journal, 1993, 38, 456-470.	1.5	11
110	Biomimetic Mineralization and Bioactivity of Phosphorylated Chitosan. Key Engineering Materials, 2005, 288-289, 429-432.	0.4	11
111	Effect of corrosion on the strength of dental silver amalgam. Dental Materials, 2012, 28, e160-e167.	3.5	11
112	Misuse of ISO standards in dental materials research. Dental Materials, 2020, 36, 1493-1494.	3.5	11
113	Efficiency of mechanical trituration of amalgam. III. Practical comparisons. Australian Dental Journal, 1981, 26, 236-243.	1.5	10
114	Aspects of the chemistry of zinc phosphate cements. Australian Dental Journal, 1984, 29, 242-244.	1.5	10
115	Effect of humidity on calcium sulphate hemihydrate. Australian Dental Journal, 1990, 35, 230-235.	1.5	10
116	EVOLUTION AND FUNCTION OF ROUTINE TRICHROMATIC VISION IN PRIMATES. Evolution; International Journal of Organic Evolution, 2003, 57, 2636.	2.3	10
117	Effect of elastic modulus mismatch on failure behaviour of glass ionomer cement under Hertzian indentation. Dental Materials, 2012, 28, 279-286.	3.5	10
118	The effect of excess phosphate on the solubility of hydroxyapatite. Ceramics International, 2014, 40, 2751-2761.	4.8	10
119	Effect of Magnesium on the Solubility of Hydroxyapatite. European Journal of Inorganic Chemistry, 2016, 2016, 5623-5629.	2.0	10
120	Bioactivityâ€”Symphony or Cacophony? A Personal View of a Tangled Field. Prosthesis, 2021, 3, 75-84.	2.9	10
121	Contact angles: a note. Journal of Dentistry, 1987, 15, 82-84.	4.1	9
122	The rameses algorithm for multiple equilibriaâ€”III Acceleration and standardized formation constants (RAMESES II). Talanta, 1990, 37, 425-429.	5.5	9
123	Casting system effectivenessâ€” measurement and theory. Dental Materials, 1992, 8, 89-99.	3.5	9
124	The inapplicability of formulae to determine vertical dimension. Australian Dental Journal, 1979, 24, 48-51.	1.5	8
125	Efficiency of mechanical trituration of amalgam I. Optimum capsule length. Australian Dental Journal, 1980, 25, 325-332.	1.5	8
126	Efficiency of mechanical trituration of amalgam. II. Effects of some variables. Australian Dental Journal, 1981, 26, 25-30.	1.5	8

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127	The evolution of the complete denture base. Theories of complete denture retention – A review. Part 4. Australian Dental Journal, 1993, 38, 450-455.	1.5	8
128	Methyl methacrylate in poly(methyl methacrylate) – validation of direct injection gas chromatography. Journal of Chromatography A, 2004, 1061, 93-98.	3.7	8
129	Mathematical Modeling of Flexural Behavior of Rotary Nickel-Titanium Endodontic Instruments. Journal of Endodontics, 2006, 32, 545-548.	3.1	8
130	Porous Li – Na – K niobate bone-substitute ceramics: Microstructure and piezoelectric properties. Materials Letters, 2008, 62, 3506-3508.	2.6	8
131	Viscosity of dental waxes by use of Stokes' Law. Dental Materials, 1989, 5, 176-180.	3.5	7
132	The evolution of the complete denture base. Theories of complete denture retention - A review. Part 3. Australian Dental Journal, 1993, 38, 389-393.	1.5	7
133	Surface Modification of Titanium Implant and In Vitro Biocompatibility Evaluation. Key Engineering Materials, 2005, 288-289, 315-318.	0.4	7
134	Fabrication and characterization of reaction-bonded silicon carbide with poly(methyl methacrylate) as pore-forming agent. Ceramics International, 2013, 39, 5295-5302.	4.8	7
135	Failure analysis of the ball bearings of dental air turbine handpieces. Australian Dental Journal, 2013, 58, 514-521.	1.5	7
136	A laboratory evaluation of two brands of disposable air turbine handpiece. British Dental Journal, 1997, 182, 15-21.	0.6	7
137	The performance of air-turbine handpieces in general dental practice. Operative Dentistry, 2005, 30, 16-25.	1.2	7
138	The corrosion of silver amalgam – A photometric method. Journal of Dentistry, 1973, 1, 255-260.	4.1	6
139	Some studies on dental amalgam Part 1. Preparation of uniform samples. Surface Technology, 1976, 4, 195-200.	0.4	6
140	A performance criterion for amalgamators, capsules, pestles, and alloys. Australian Dental Journal, 1980, 25, 146-147.	1.5	6
141	Effect of dentine thickness on pulpal changes beneath restorative materials. Australian Dental Journal, 1981, 26, 80-81.	1.5	6
142	Kinetic models for the development of density in photographic and radiographic film. Journal of the Chemical Society Faraday Transactions I, 1985, 81, 1647.	1.0	6
143	The adherence of oral isolates of <i>Enterobacteriaceae</i> to HeLa cells. Apmis, 1996, 104, 39-46.	2.0	6
144	Biomimetic Synthesis of Apatite - Polyelectrolyte Complex (Chitosan - Phosphorylated Chitosan) Hydrogel as an Osteoblast Carrier. Key Engineering Materials, 2005, 288-289, 75-78.	0.4	6

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145	Response to "A United States shark fin ban would undermine sustainable shark fisheries" D.S. Shiffman & R.E. Hueter, Marine Policy 85 (2017) 138-140. Marine Policy, 2019, 104, 85-89.	3.2	6
146	The effect of topical fluoride on amalgam. British Dental Journal, 1977, 142, 47-51.	0.6	6
147	A quantitative microphotometer system. Surface Technology, 1976, 4, 95-106.	0.4	5
148	Some studies on dental amalgam Part 2. Dimensional change. Surface Technology, 1976, 4, 201-210.	0.4	5
149	The RAMESES algorithm for multiple equilibria"IV. Strategies for improvement (RAMESES III). Talanta, 1991, 38, 875-888.	5.5	5
150	The influence of incubation conditions on the adherence of oral <i>Enterobacteriaceae</i> to HeLa cells. Apmis, 1996, 104, 583-590.	2.0	5
151	A new method for casting discrepancy: some results for a phosphate-bonded investment. Journal of Dentistry, 1998, 26, 59-68.	4.1	5
152	Effect of storage conditions on calcium sulphate hemihydrate-containing products. Dental Materials, 2001, 17, 134-141.	3.5	5
153	Non-inverse-square force"distance law for long thin magnets. Dental Materials, 2006, 22, 909-918.	3.5	5
154	Effect of Amine Additives on the Morphology of Hydroxyapatite. Key Engineering Materials, 2007, 361-363, 115-118.	0.4	5
155	Effect of heat treatment on the tensile strength of "Elgiloy"™ orthodontic wire. Dental Materials, 2016, 32, 1036-1041.	3.5	5
156	Resin Restorative Materials. , 2018, , 143-191.		5
157	Stoichiometry of the amalgamation reaction. Journal of Dentistry, 1977, 5, 149-157.	4.1	4
158	Some studies on dental amalgam Part 6. Corrosion behaviour " market survey. Surface Technology, 1978, 7, 71-80.	0.4	4
159	Some studies on dental amalgam part 4. Metallography of amalgam and alloys. Surface Technology, 1978, 6, 211-228.	0.4	4
160	Aspects of the chemistry of polysulphide impression material. Australian Dental Journal, 1987, 32, 357-367.	1.5	4
161	Guest Editorial: A Polemic on Behalf of a Poor Cousin. Journal of Dental Research, 1989, 68, 843-843.	5.2	4
162	The RAMESES algorithm for multiple equilibria"V. Error statements. Talanta, 1991, 38, 1027-1032.	5.5	4

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163	The evolution of the complete denture base. Theories of complete denture retention-A review. Part 2. Australian Dental Journal, 1993, 38, 299-305.	1.5	4
164	An improved cooling curve technique as applied to waxes. Measurement Science and Technology, 1999, 10, 1319-1328.	2.6	4
165	Interactive effect of indenter size and specimen thickness in Hertzian indentation test. Dental Materials, 2010, 26, 539-544.	3.5	4
166	Calcium phosphate solubility in the blind spot. Colloids and Surfaces B: Biointerfaces, 2011, 82, 263-264.	5.0	4
167	Deterioration of disperse-phase amalgam alloy. British Dental Journal, 1978, 144, 181-184.	0.6	4
168	Reappraisal of the physics of denture retention. International Journal of Prosthodontics, 1989, 2, 234-42.	1.7	4
169	Antibacterial Effect of Silver Diammine Fluoride on Cariogenic Organisms. Journal of Contemporary Dental Practice, 2018, 19, 591-598.	0.5	4
170	Some studies on dental amalgam part 3. The constitution of amalgam and alloy. Surface Technology, 1977, 5, 487-499.	0.4	3
171	Some studies on dental amalgam Part 5. Corrosion behaviour effect of conditions. Surface Technology, 1978, 7, 55-69.	0.4	3
172	Effect of Filler Shape and Volume Fraction on Strain Damage of Particulate-Reinforced Dental Composites. Materials Science Forum, 2006, 532-533, 117-120.	0.3	3
173	Flexible Impression Materials. , 2009, , 163-196.		3
174	Resin Restorative Materials. , 2009, , 128-162.		3
175	Porcelain. , 2009, , 546-567.		3
176	Gypsum Materials. , 2018, , 40-69.		3
177	Cements and Liners. , 2018, , 249-291.		3
178	Problems with addition-cured silicone putty'. British Dental Journal, 1986, 161, 160-160.	0.6	3
179	A mathematical model for the progression of approximal carious lesions through enamel. Australian Dental Journal, 1984, 29, 111-115.	1.5	2
180	A cephalometric method to determine the angulation of the occlusal plane in edentulous patients. Journal of Prosthetic Dentistry, 1986, 55, 662-663.	2.8	2

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181	A method for calibrating non-screen radiographic film. Australian Dental Journal, 1988, 33, 27-31.	1.5	2
182	Mechanical Testing. , 2009, , 1-36.		2
183	Acrylic. , 2009, , 108-127.		2
184	Gypsum Materials. , 2009, , 37-59.		2
185	Cutting, Abrasion and Polishing. , 2009, , 450-470.		2
186	Non-inverse-square forceâ€™distance law for long thin magnetsâ€™Revisited. Dental Materials, 2012, 28, e42-e49.	3.5	2
187	Innovation in restorative dental materials: another new age or the end of the line?. Future Medicinal Chemistry, 2013, 5, 1595-1597.	2.3	2
188	The relationship between the force and separation of miniature magnets used in dentistry. Dental Materials, 2018, 34, e89-e106.	3.5	2
189	Mechanical Testing. , 2018, , 1-39.		2
190	Metals I : Structure. , 2018, , 337-362.		2
191	Manufacturersâ€™™ instructions: Detail essential for reproducibility. Dental Materials, 2021, 37, 1215-1216.	3.5	2
192	The first three questions. Australian Dental Journal, 1995, 40, 397-8.	1.5	2
193	A testing machine for dental air-turbine handpiece characteristics: free-running speed, stall torque, bearing resistance. Operative Dentistry, 2005, 30, 26-31.	1.2	2
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