

Paul Cooper

List of Publications by Year in descending order

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176
papers

10,129
citations

31976

53
h-index

39675

94
g-index

180
all docs

180
docs citations

180
times ranked

9805
citing authors

#	ARTICLE	IF	CITATIONS
1	Nibrin, a Novel DNA Double-Strand Break Repair Protein, Is Mutated in Nijmegen Breakage Syndrome. <i>Cell</i> , 1998, 93, 467-476.	28.9	989
2	A maternally methylated CpG island in <i>KvLQT1</i> is associated with an antisense paternal transcript and loss of imprinting in Beckwith-Wiedemann syndrome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 8064-8069.	7.1	399
3	Evaluation of sodium alginate for bone marrow cell tissue engineering. <i>Biomaterials</i> , 2003, 24, 3475-3481.	11.4	315
4	Dental Pulp Defence and Repair Mechanisms in Dental Caries. <i>Mediators of Inflammation</i> , 2015, 2015, 1-16.	3.0	299
5	Inflammation-regeneration interplay in the dentine-pulp complex. <i>Journal of Dentistry</i> , 2010, 38, 687-697.	4.1	292
6	The effect of calcium hydroxide on solubilisation of bio-active dentine matrix components. <i>Biomaterials</i> , 2006, 27, 2865-2873.	11.4	284
7	Bone Grafts and Substitutes in Dentistry: A Review of Current Trends and Developments. <i>Molecules</i> , 2021, 26, 3007.	3.8	231
8	Dissolution of bio-active dentine matrix components by mineral trioxide aggregate. <i>Journal of Dentistry</i> , 2007, 35, 636-642.	4.1	219
9	Dentine as a bioactive extracellular matrix. <i>Archives of Oral Biology</i> , 2012, 57, 109-121.	1.8	216
10	Inflammation and Regeneration in the Dentin-Pulp Complex: A Double-edged Sword. <i>Journal of Endodontics</i> , 2014, 40, S46-S51.	3.1	201
11	Release of Active Peptidyl Arginine Deiminases by Neutrophils Can Explain Production of Extracellular Citrullinated Autoantigens in Rheumatoid Arthritis Synovial Fluid. <i>Arthritis and Rheumatology</i> , 2015, 67, 3135-3145.	5.6	193
12	Developments in low level light therapy (LLLT) for dentistry. <i>Dental Materials</i> , 2014, 30, 465-475.	3.5	182
13	Hyperactivity and reactivity of peripheral blood neutrophils in chronic periodontitis. <i>Clinical and Experimental Immunology</i> , 2007, 147, 255-264.	2.6	172
14	Hypochlorous acid regulates neutrophil extracellular trap release in humans. <i>Clinical and Experimental Immunology</i> , 2012, 167, 261-268.	2.6	160
15	Neutrophil Hyper-responsiveness in Periodontitis. <i>Journal of Dental Research</i> , 2007, 86, 718-722.	5.2	153
16	Exploiting the Bioactive Properties of the Dentin-Pulp Complex in Regenerative Endodontics. <i>Journal of Endodontics</i> , 2016, 42, 47-56.	3.1	144
17	Neutrophil extracellular traps as a new paradigm in innate immunity: friend or foe?. <i>Periodontology</i> 2000, 2013, 63, 165-197.	13.4	141
18	Differential activation of NF- κ B and gene expression in oral epithelial cells by periodontal pathogens. <i>Clinical and Experimental Immunology</i> , 2007, 148, 307-324.	2.6	127

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19	Neutrophil Extracellular Traps in Periodontitis. <i>Journal of Dental Research</i> , 2016, 95, 26-34.	5.2	121
20	Influence of calcium phosphate crystal assemblies on the proliferation and osteogenic gene expression of rat bone marrow stromal cells. <i>Biomaterials</i> , 2007, 28, 1393-1403.	11.4	119
21	Can interaction of materials with the dentin-pulp complex contribute to dentin regeneration?. <i>Odontology / the Society of the Nippon Dental University</i> , 2010, 98, 2-14.	1.9	110
22	Comparison of bone marrow cell growth on 2D and 3D alginate hydrogels. <i>Journal of Materials Science: Materials in Medicine</i> , 2005, 16, 515-519.	3.6	104
23	Pulpotomy for mature carious teeth with symptoms of irreversible pulpitis: A systematic review. <i>Journal of Dentistry</i> , 2019, 88, 103158.	4.1	103
24	A comparison of the in vitro mineralisation and dentinogenic potential of mesenchymal stem cells derived from adipose tissue, bone marrow and dental pulp. <i>Journal of Bone and Mineral Metabolism</i> , 2015, 33, 371-382.	2.7	99
25	Gene expression profiling of pulpal tissue reveals the molecular complexity of dental caries. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2005, 1741, 271-281.	3.8	96
26	S100 and Cytokine Expression in Caries. <i>Infection and Immunity</i> , 2004, 72, 4102-4108.	2.2	93
27	Bone marrow cell gene expression and tissue construct assembly using octacalcium phosphate microscaffolds. <i>Biomaterials</i> , 2006, 27, 2874-2881.	11.4	93
28	LPS Promote the Odontoblastic Differentiation of Human Dental Pulp Stem Cells via MAPK Signaling Pathway. <i>Journal of Cellular Physiology</i> , 2015, 230, 554-561.	4.1	92
29	Dental Pulp Stem Cell Mechanoresponsiveness: Effects of Mechanical Stimuli on Dental Pulp Stem Cell Behavior. <i>Frontiers in Physiology</i> , 2018, 9, 1685.	2.8	90
30	Molecular characterization of young and mature odontoblasts. <i>Bone</i> , 2009, 45, 693-703.	2.9	89
31	Angiogenic Activity of Dentin Matrix Components. <i>Journal of Endodontics</i> , 2011, 37, 26-30.	3.1	89
32	The MAP Kinase Pathway Is Involved in Odontoblast Stimulation via p38 Phosphorylation. <i>Journal of Endodontics</i> , 2010, 36, 256-259.	3.1	86
33	The role of calcium ion release on biocompatibility and antimicrobial properties of hydraulic cements. <i>Scientific Reports</i> , 2019, 9, 19019.	3.3	83
34	Reciprocating Root Canal Technique Induces Greater Debris Accumulation Than a Continuous Rotary Technique as Assessed by 3-Dimensional Micro-Computed Tomography. <i>Journal of Endodontics</i> , 2013, 39, 1067-1070.	3.1	82
35	Under the spotlight: mechanisms of photobiomodulation concentrating on blue and green light. <i>Photochemical and Photobiological Sciences</i> , 2019, 18, 1877-1909.	2.9	76
36	Dentin-Pulp Complex Regeneration. <i>Advances in Dental Research</i> , 2011, 23, 340-345.	3.6	75

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37	The potential of a resin-composite to be cured to a 4mm depth. <i>Dental Materials</i> , 2008, 24, 522-529.	3.5	74
38	TGF- β 2/Extracellular Matrix Interactions in Dentin Matrix: A Role in Regulating Sequestration and Protection of Bioactivity. <i>Calcified Tissue International</i> , 2009, 85, 66-74.	3.1	72
39	Periodontitis Associates with a Type 1 IFN Signature in Peripheral Blood Neutrophils. <i>Journal of Immunology</i> , 2008, 181, 5775-5784.	0.8	71
40	Recruitment of dental pulp cells by dentine and pulp extracellular matrix components. <i>Experimental Cell Research</i> , 2012, 318, 2397-2406.	2.6	71
41	Phenotype and behaviour of dental pulp cells during expansion culture. <i>Archives of Oral Biology</i> , 2009, 54, 898-908.	1.8	70
42	Growth factor release from dentine matrix by pulp capping agents promotes pulp tissue repair-associated events. <i>International Endodontic Journal</i> , 2017, 50, 281-292.	5.0	70
43	The effects of cryopreservation on cells isolated from adipose, bone marrow and dental pulp tissues. <i>Cryobiology</i> , 2014, 69, 342-347.	0.7	69
44	Lipopolysaccharide Enhances Wnt5a Expression through Toll-like Receptor 4, Myeloid Differentiating Factor 88, Phosphatidylinositol 3-OH Kinase/AKT and Nuclear Factor Kappa B Pathways in Human Dental Pulp Stem Cells. <i>Journal of Endodontics</i> , 2014, 40, 69-75.	3.1	69
45	The dark art of light measurement: accurate radiometry for low-level light therapy. <i>Lasers in Medical Science</i> , 2016, 31, 789-809.	2.1	69
46	Role of Piezo Channels in Ultrasound-stimulated Dental Stem Cells. <i>Journal of Endodontics</i> , 2017, 43, 1130-1136.	3.1	69
47	Extracellular deoxyribonuclease production by periodontal bacteria. <i>Journal of Periodontal Research</i> , 2012, 47, 439-445.	2.7	67
48	A 1-Mb Physical Map and PAC Contig of the Imprinted Domain in 11p15.5 That Contains TAPA1 and the BWSCR1/WT2 Region. <i>Genomics</i> , 1997, 43, 366-375.	2.9	66
49	Inflammation and Regeneration in the Dentin-pulp Complex: Net Gain or Net Loss?. <i>Journal of Endodontics</i> , 2017, 43, S87-S94.	3.1	65
50	Divergently Transcribed Overlapping Genes Expressed in Liver and Kidney and Located in the 11p15.5 Imprinted Domain. <i>Genomics</i> , 1998, 49, 38-51.	2.9	61
51	Modulation of Neutrophil Extracellular Trap and Reactive Oxygen Species Release by Periodontal Bacteria. <i>Infection and Immunity</i> , 2017, 85, .	2.2	61
52	Histone Deacetylase Inhibitors Induced Differentiation and Accelerated Mineralization of Pulp-derived Cells. <i>Journal of Endodontics</i> , 2012, 38, 339-345.	3.1	57
53	Gene expression analysis in cells of the dentine-pulp complex in healthy and carious teeth. <i>Archives of Oral Biology</i> , 2003, 48, 273-283.	1.8	56
54	Mediators of Inflammation and Regeneration. <i>Advances in Dental Research</i> , 2011, 23, 290-295.	3.6	56

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55	Effects of Red Light-emitting Diode Irradiation on Dental Pulp Cells. <i>Journal of Dental Research</i> , 2012, 91, 961-966.	5.2	54
56	Cigarette smoke modifies neutrophil chemotaxis, neutrophil extracellular trap formation and inflammatory response-related gene expression. <i>Journal of Periodontal Research</i> , 2018, 53, 525-535.	2.7	54
57	Identification and analysis of expression of human VACM-1, a cullin gene family member located on chromosome 11q22-23.. <i>Genome Research</i> , 1997, 7, 71-75.	5.5	52
58	VEGF and odontoblast-like cells: Stimulation by low frequency ultrasound. <i>Archives of Oral Biology</i> , 2009, 54, 185-191.	1.8	52
59	A gene transcribed from the bidirectional ATM promoter coding for a serine rich protein: amino acid sequence, structure and expression studies. <i>Human Molecular Genetics</i> , 1996, 5, 1785-1791.	2.9	49
60	cDNA Representational Difference Analysis of Human Neutrophils Stimulated by GM-CSF. <i>Biochemical and Biophysical Research Communications</i> , 2000, 277, 401-409.	2.1	49
61	Histone deacetylase inhibitors epigenetically promote reparative events in primary dental pulp cells. <i>Experimental Cell Research</i> , 2013, 319, 1534-1543.	2.6	49
62	Dental regeneration and materials—a partnership. <i>Clinical Oral Investigations</i> , 2008, 12, 103-108.	3.0	46
63	Human Stem Cells from the Apical Papilla Response to Bacterial Lipopolysaccharide Exposure and Anti-inflammatory Effects of Nuclear Factor I C. <i>Journal of Endodontics</i> , 2013, 39, 1416-1422.	3.1	46
64	Dissecting dentine pulp injury and wound healing responses: consequences for regenerative endodontics. <i>International Endodontic Journal</i> , 2019, 52, 261-266.	5.0	46
65	The effects of LPS on adhesion and migration of human dental pulp stem cells in vitro. <i>Journal of Dentistry</i> , 2014, 42, 1327-1334.	4.1	43
66	HDACi. <i>Journal of Dental Research</i> , 2011, 90, 1377-1388.	5.2	42
67	Ultrasound Stimulation of Different Dental Stem Cell Populations: Role of Mitogen-activated Protein Kinase Signaling. <i>Journal of Endodontics</i> , 2016, 42, 425-431.	3.1	42
68	Isolation of adipose and bone marrow mesenchymal stem cells using CD29 and CD90 modifies their capacity for osteogenic and adipogenic differentiation. <i>Journal of Tissue Engineering</i> , 2015, 6, 204173141559235.	5.5	41
69	Peripheral blood neutrophil extracellular trap production and degradation in chronic periodontitis. <i>Journal of Clinical Periodontology</i> , 2016, 43, 1041-1049.	4.9	41
70	Periodontal pathogens promote epithelial-mesenchymal transition in oral squamous carcinoma cells <i>in vitro</i> . <i>Cell Adhesion and Migration</i> , 2018, 12, 1-11.	2.7	40
71	Potential role of periodontal pathogens in compromising epithelial barrier function by inducing epithelial-mesenchymal transition. <i>Journal of Periodontal Research</i> , 2018, 53, 565-574.	2.7	40
72	Inflammasomes and their regulation in periodontal disease: A review. <i>Journal of Periodontal Research</i> , 2020, 55, 473-487.	2.7	39

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73	IFN- β regulates human dental pulp stem cells behavior via NF- κ B and MAPK signaling. <i>Scientific Reports</i> , 2017, 7, 40681.	3.3	38
74	Adrenomedullin is expressed during rodent dental tissue development and promotes cell growth and mineralization. <i>Biology of the Cell</i> , 2010, 102, 145-157.	2.0	36
75	Harnessing the Natural Regenerative Potential of the Dental Pulp. <i>Dental Clinics of North America</i> , 2012, 56, 589-601.	1.8	36
76	An analytical Micro CT methodology for quantifying inorganic dentine debris following internal tooth preparation. <i>Journal of Dentistry</i> , 2012, 40, 999-1005.	4.1	36
77	Regulatory Interplay between NFIC and TGF- β 1 in Apical Papilla-derived Stem Cells. <i>Journal of Dental Research</i> , 2014, 93, 496-501.	5.2	36
78	Epigenetic Approaches to the Treatment of Dental Pulp Inflammation and Repair: Opportunities and Obstacles. <i>Frontiers in Genetics</i> , 2018, 9, 311.	2.3	36
79	Epigenetic modulation of dental pulp stem cells: implications for regenerative endodontics. <i>International Endodontic Journal</i> , 2016, 49, 431-446.	5.0	35
80	A novel methodology providing insights into removal of biofilm-mimicking hydrogel from lateral morphological features of the root canal during irrigation procedures. <i>International Endodontic Journal</i> , 2014, 47, 1040-1051.	5.0	34
81	Dentinogenic effects of extracted dentin matrix components digested with matrix metalloproteinases. <i>Scientific Reports</i> , 2018, 8, 10690.	3.3	34
82	Short-Term In Vitro Effects of Low Frequency Ultrasound on Odontoblast-Like Cells. <i>Ultrasound in Medicine and Biology</i> , 2007, 33, 1475-1482.	1.5	31
83	Low-intensity Low-frequency Ultrasound Promotes Proliferation and Differentiation of Odontoblast-like Cells. <i>Journal of Endodontics</i> , 2012, 38, 608-613.	3.1	31
84	Dentin matrix components extracted with phosphoric acid enhance cell proliferation and mineralization. <i>Dental Materials</i> , 2016, 32, 334-342.	3.5	31
85	Dentin matrix component solubilization by solutions of pH relevant to self-etching dental adhesives. <i>Journal of Adhesive Dentistry</i> , 2013, 15, 407-12.	0.5	30
86	Therapeutic ultrasound for dental tissue repair. <i>Medical Hypotheses</i> , 2009, 73, 591-593.	1.5	29
87	Release of bioactive dentine extracellular matrix components by histone deacetylase inhibitors ($HDAC$ i). <i>International Endodontic Journal</i> , 2017, 50, 24-38.	5.0	29
88	<i>Porphyromonas gingivalis</i> gingipains cause defective macrophage migration towards apoptotic cells and inhibit phagocytosis of primary apoptotic neutrophils. <i>Cell Death and Disease</i> , 2017, 8, e2644-e2644.	6.3	28
89	British Orthodontic Society, Chapman Prize Winner 2003. <i>Journal of Orthodontics</i> , 2005, 32, 122-132.	1.0	27
90	Low intensity ultrasound stimulates osteoblast migration at different frequencies. <i>Journal of Bone and Mineral Metabolism</i> , 2012, 30, 602-607.	2.7	27

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91	Hepatocyte growth factor is sequestered in dentine matrix and promotes regeneration-associated events in dental pulp cells. <i>Cytokine</i> , 2013, 61, 622-629.	3.2	27
92	The Histoneâ€Deacetylaseâ€Inhibitor Suberoylanilide Hydroxamic Acid Promotes Dental Pulp Repair Mechanisms Through Modulation of Matrix Metalloproteinaseâ€13 Activity. <i>Journal of Cellular Physiology</i> , 2016, 231, 798-816.	4.1	27
93	Development and application of LED arrays for use in phototherapy research. <i>Journal of Biophotonics</i> , 2017, 10, 1514-1525.	2.3	27
94	Cleaning lateral morphological features of the root canal: the role of streaming and cavitation. <i>International Endodontic Journal</i> , 2018, 51, e55-e64.	5.0	27
95	The systematics of the Mongolepidida (Chondrichthyes) and the Ordovician origins of the clade. <i>PeerJ</i> , 2016, 4, e1850.	2.0	27
96	A Sequence-Ready High-Resolution Physical Map of the Best Macular Dystrophy Gene Region in 11q12â€q13. <i>Genomics</i> , 1997, 41, 185-192.	2.9	26
97	Competency assessment for infection control in the undergraduate dental curriculum. <i>European Journal of Dental Education</i> , 2007, 11, 148-154.	2.0	26
98	Nuclear Factor I-C promotes proliferation and differentiation of apical papilla-derived human stem cells in vitro. <i>Experimental Cell Research</i> , 2015, 332, 259-266.	2.6	26
99	Cytomorphometric Analysis of Inflammation Dynamics in the Periodontium Following the Use of Fixed Dental Prostheses. <i>Molecules</i> , 2020, 25, 4650.	3.8	26
100	<i>Fusobacterium nucleatum</i> regulation of neutrophil transcription. <i>Journal of Periodontal Research</i> , 2011, 46, 1-12.	2.7	25
101	Molecular mediators of pulp inflammation and regeneration. <i>Endodontic Topics</i> , 2013, 28, 90-105.	0.5	25
102	Development and Application of High-Content Biological Screening for Modulators of NET Production. <i>Frontiers in Immunology</i> , 2018, 9, 337.	4.8	25
103	A Physical Map across Chromosome 11q22-q23 Containing the Major Locus for Ataxia Telangiectasia. <i>Genomics</i> , 1994, 21, 612-619.	2.9	24
104	The pulp healing process: from generation to regeneration. <i>Endodontic Topics</i> , 2012, 26, 41-56.	0.5	24
105	A Gene Map of the Bestâ€™s Vitelliform Macular Dystrophy Region in Chromosomeâ€™11q12â€™q13.1. <i>Genome Research</i> , 1998, 8, 48-56.	5.5	23
106	Effects of Glial Cell Line-derived Neurotrophic Factor on Dental Pulp Cells. <i>Journal of Dental Research</i> , 2011, 90, 1240-1245.	5.2	23
107	<sc>U</sc>pper <sc>O</sc>rdovician chondrichthyanâ€™like scales from <sc>N</sc>orth <sc>A</sc>merica. <i>Palaeontology</i> , 2015, 58, 691-704.	2.2	22
108	Dental Pulp Cell Behavior in Biomimetic Environments. <i>Journal of Dental Research</i> , 2015, 94, 1552-1559.	5.2	22

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109	Antibacterial activity of dentine and pulp extracellular matrix extracts. <i>International Endodontic Journal</i> , 2012, 45, 749-755.	5.0	21
110	Differentiation of BMMSCs into odontoblast-like cells induced by natural dentine matrix. <i>Archives of Oral Biology</i> , 2013, 58, 862-870.	1.8	21
111	Pulp Innate Immune Defense: Translational Opportunities. <i>Journal of Endodontics</i> , 2020, 46, S10-S18.	3.1	21
112	The influence of irrigant activation, concentration and contact time on sodium hypochlorite penetration into root dentine: an <i>in vivo</i> experiment. <i>International Endodontic Journal</i> , 2020, 53, 986-997.	5.0	21
113	Dentin matrix proteins (DMPs) enhance differentiation of BMMSCs via ERK and P38 MAPK pathways. <i>Cell and Tissue Research</i> , 2014, 356, 171-182.	2.9	20
114	Investigation of the effect of the water to powder ratio on hydraulic cement properties. <i>Dental Materials</i> , 2019, 35, 1146-1154.	3.5	20
115	Investigation of microbial profile, levels of endotoxin and lipoteichoic acid in teeth with symptomatic irreversible pulpitis: a clinical study. <i>International Endodontic Journal</i> , 2021, 54, 46-60.	5.0	20
116	Construction of a Transcription Map around the Gene for Ataxia Telangiectasia: Identification of at Least Four Novel Genes. <i>Genomics</i> , 1997, 40, 267-276.	2.9	19
117	Characterization, Quantification, and Visualization of Neutrophil Extracellular Traps. <i>Methods in Molecular Biology</i> , 2017, 1537, 481-497.	0.9	19
118	Potential application of immunotherapy for modulation of pulp inflammation: opportunities for vital pulp treatment. <i>International Endodontic Journal</i> , 2021, 54, 1263-1274.	5.0	18
119	Contig Maps and Genomic Sequencing Identify Candidate Genes in the Usher 1C Locus. <i>Genome Research</i> , 1998, 8, 57-68.	5.5	17
120	Differential responses of myoblasts and myotubes to photobiomodulation are associated with mitochondrial number. <i>Journal of Biophotonics</i> , 2019, 12, e201800411.	2.3	17
121	Novel Chitosan-Silica Hybrid Hydrogels for Cell Encapsulation and Drug Delivery. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12267.	4.1	17
122	Transcript Mapping of the Human Chromosome 11q12-q13.1 Gene-Rich Region Identifies Several Newly Described Conserved Genes. <i>Genomics</i> , 1998, 49, 419-429.	2.9	16
123	CpG ODN-induced matrix metalloproteinase-13 expression is mediated via activation of the ERK and NF- κ B signalling pathways in odontoblast cells. <i>International Endodontic Journal</i> , 2013, 46, 666-674.	5.0	16
124	Differential activation of neutrophil extracellular traps by specific periodontal bacteria. <i>Free Radical Biology and Medicine</i> , 2014, 75, S53.	2.9	16
125	Protein S100-A7 Derived from Digested Dentin Is a Critical Molecule for Dentin Pulp Regeneration. <i>Cells</i> , 2019, 8, 1002.	4.1	16
126	Neutrophil Extracellular Traps Exert Potential Cytotoxic and Proinflammatory Effects in the Dental Pulp. <i>Journal of Endodontics</i> , 2019, 45, 513-520.e3.	3.1	16

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127	Effects of Porphyromonas gingivalis and Fusobacterium nucleatum on inflammasomes and their regulators in H400 cells. Molecular Oral Microbiology, 2020, 35, 158-167.	2.7	15
128	Photobiomodulation of mineralisation in mesenchymal stem cells. Photochemical and Photobiological Sciences, 2021, 20, 699-714.	2.9	15
129	A critical review of <i>in vitro</i> research methodologies used to study mineralization in human dental pulp cell cultures. International Endodontic Journal, 2022, 55, 3-13.	5.0	15
130	Glial cell line-derived neurotrophic factor influences proliferation of osteoblastic cells. Cytokine, 2012, 57, 276-281.	3.2	14
131	<i>Elegestolepis</i> and its kin, the earliest monodontode chondrichthyans. Journal of Vertebrate Paleontology, 2017, 37, e1245664.	1.0	14
132	Violet-Blue Light Arrays at 405 Nanometers Exert Enhanced Antimicrobial Activity for Photodisinfection of Monomicrobial Nosocomial Biofilms. Applied and Environmental Microbiology, 2019, 85, .	3.1	13
133	In vitro bioactivity of titanium-doped bioglass. Journal of Materials Science: Materials in Medicine, 2014, 25, 1865-1873.	3.6	12
134	Automated noninvasive epithelial cell counting in phase contrast microscopy images with automated parameter selection. Journal of Microscopy, 2018, 271, 345-354.	1.8	12
135	Inflammasome dysregulation in human gingival fibroblasts in response to periodontal pathogens. Oral Diseases, 2022, 28, 216-224.	3.0	12
136	Lyophilised Platelet-Rich Fibrin: Physical and Biological Characterisation. Molecules, 2021, 26, 7131.	3.8	12
137	Regenerative Endodontics: Burning Questions. Journal of Endodontics, 2017, 43, S1-S6.	3.1	11
138	Piezo-power microdissection of mature human dental tissue. Archives of Oral Biology, 2003, 48, 731-736.	1.8	10
139	Micronutrient modulation of NF- κ B in oral keratinocytes exposed to periodontal bacteria. Innate Immunity, 2013, 19, 140-151.	2.4	10
140	Extracellular Signal-regulated Kinase Mitogen-activated Protein Kinase and Phosphatidylinositol 3-Kinase/Akt Signaling Are Required for Lipopolysaccharide-mediated Mineralization in Murine Odontoblast-like Cells. Journal of Endodontics, 2015, 41, 871-876.	3.1	10
141	An in vitro screening assay for dental stain cleaning. BMC Oral Health, 2017, 17, 37.	2.3	10
142	Dysregulation of Inflammasomes in Human Dental Pulp Cells Exposed to Porphyromonas gingivalis and Fusobacterium nucleatum. Journal of Endodontics, 2020, 46, 1265-1272.	3.1	10
143	The anti-tumour activity of DNA methylation inhibitor 5-aza-2'-deoxycytidine is enhanced by the common analgesic paracetamol through induction of oxidative stress. Cancer Letters, 2021, 501, 172-186.	7.2	10
144	Deciphering Reparative Processes in the Inflamed Dental Pulp. Frontiers in Dental Medicine, 2021, 2, .	1.4	10

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145	Gene expression profiles of mitochondria-endoplasmic reticulum tethering in human gingival fibroblasts in response to periodontal pathogens. Archives of Oral Biology, 2021, 128, 105173.	1.8	10
146	Oral Keratinocyte Responses to Nickel-based Dental Casting Alloys<i>In Vitro</i>. Journal of Biomaterials Applications, 2010, 25, 251-267.	2.4	9
147	Potential of Lyophilized Platelet Concentrates for Craniofacial Tissue Regenerative Therapies. Molecules, 2021, 26, 517.	3.8	8
148	Amphiregulin regulates odontogenic differentiation of dental pulp stem cells by activation of mitogen-activated protein kinase and the phosphatidylinositol 3-kinase signaling pathways. Stem Cell Research and Therapy, 2022, 13, .	5.5	8
149	The Effect of UDMA/TEGDMA Mixtures and Bioglass Incorporation on the Mechanical and Physical Properties of Resin and Resin-Based Composite Materials. Conference Papers in Science, 2014, 2014, 1-5.	0.3	7
150	Current trends in endodontic irrigation amongst general dental practitioners and dental schools within the United Kingdom and Ireland: a cross-sectional survey. British Dental Journal, 2020, , .	0.6	7
151	Architectural characterization of organotypic cultures of H400 and primary rat keratinocytes. Journal of Biomedical Materials Research - Part A, 2012, 100A, 3227-3238.	4.0	6
152	Low level light therapy (LLLT) for the treatment and management of dental and oral diseases. Dental Update, 2014, 41, 763-772.	0.2	6
153	Development and Analysis of a Hydroxyapatite Supplemented Calcium Silicate Cement for Endodontic Treatment. Materials, 2022, 15, 1176.	2.9	6
154	Trauma and Dentinogenesis: A Case Report. Journal of Endodontics, 2010, 36, 342-344.	3.1	5
155	Potential for direct application of blue light for photo-disinfection of dentine. Journal of Photochemistry and Photobiology B: Biology, 2021, 215, 112123.	3.8	5
156	Species identification and authentication of human and rodent cell cultures using polymerase chain reaction analysis of vomeronasal receptor genes. Cytotechnology, 2011, 63, 553-558.	1.6	4
157	Transcriptional profiling of suberoylanilide hydroxamic acid (SAHA) regulated genes in mineralizing dental pulp cells at early and late time points. Genomics Data, 2015, 5, 391-393.	1.3	4
158	Cellular Signaling in Dentin Repair andÂRegeneration. , 2015, , 405-417.		4
159	Photobiomodulation of oral fibroblasts stimulated with periodontal pathogens. Lasers in Medical Science, 2021, 36, 1957-1969.	2.1	4
160	Biomodulatory effects of laser irradiation on dental pulp cellsin vitro. , 2015, , .		3
161	The effect of UV-Vis to near-infrared light on the biological response of human dental pulp cells. , 2015, , .		2
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