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List of Publications by Year
in descending order

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75 papers	3,893 citations	117571 34 h-index	123376 61 g-index
76 all docs	76 docs citations	76 times ranked	3216 citing authors

#	Article	IF	Citations
1	Biodentine^{TM} induces TGFâ€Î²1 release from human pulp cells and early dental pulp mineralization. International Endodontic Journal, 2012, 45, 439-448.	2.3	344
2	Induction of specific cell responses to a Ca3SiO5-based posterior restorative material. Dental Materials, 2008, 24, 1486-1494.	1.6	245
3	Human Dentin Production in Vitro. Experimental Cell Research, 2000, 258, 33-41.	1.2	239
4	Activation of human dental pulp progenitor/stem cells in response to odontoblast injury. Archives of Oral Biology, 2005, 50, 103-108.	0.8	195
5	Nestin Expression in Embryonic and Adult Human Teeth under Normal and Pathological Conditions. American Journal of Pathology, 2000, 157, 287-295.	1.9	177
6	Quantification of angiogenic growth factors released by human dental cells after injury. Archives of Oral Biology, 2008, 53, 9-13.	0.8	130
7	Role of Human Pulp Fibroblasts in Angiogenesis. Journal of Dental Research, 2006, 85, 819-823.	2.5	124
8	Hydration of Biodentine, Theracal LC, and a Prototype Tricalcium Silicateâ€“based Dentin Replacement Material afterÂPulp Capping in Entire Tooth Cultures. Journal of Endodontics, 2014, 40, 1846-1854.	1.4	110
9	Human odontoblasts express functional thermo-sensitive TRP channels: Implications for dentin sensitivity. Pain, 2011, 152, 2211-2223.	2.0	105
10	Pulp Vascularization during Tooth Development, Regeneration, and Therapy. Journal of Dental Research, 2017, 96, 137-144.	2.5	104
11	Bioactivity of a Calcium Silicateâ€“based Endodontic Cement (BioRoot RCS): Interactions with Human Periodontal Ligament Cells InÂVitro. Journal of Endodontics, 2015, 41, 1469-1473.	1.4	102
12	Pulp capping materials modulate the balance between inflammation and regeneration. Dental Materials, 2019, 35, 24-35.	1.6	93
13	Factors influencing pulpal response to cavity restorations. Dental Materials, 2000, 16, 432-440.	1.6	88
14	Cytotoxicity Testing of Endodontic Sealers: A New Method. Journal of Endodontics, 2003, 29, 583-586.	1.4	84
15	Usefulness of Controlled Release of Growth Factors in Investigating the Early Events of Dentin-pulp Regeneration. Journal of Endodontics, 2013, 39, 228-235.	1.4	78
16	Human Pulp Responses to Partial Pulpotomy Treatment with TheraCal as Compared with Biodentine and ProRoot MTA: A Clinical Trial. Journal of Endodontics, 2017, 43, 1786-1791.	1.4	72
17	Short-term treatment outcome of pulpotomies in primary molars using mineral trioxide aggregate and Biodentine: a randomized clinical trial. Clinical Oral Investigations, 2016, 20, 1639-1645.	1.4	70
18	Human tooth culture: A study model for reparative dentinogenesis and direct pulp capping materials biocompatibility. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2008, 85B, 180-187.	1.6	69

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19	Light-cured Tricalcium Silicate Toxicity to the Dental Pulp. Journal of Endodontics, 2017, 43, 2074-2080.	1.4	67
20	Apoptosis in developmental and repair-related human tooth remodeling: A view from the inside. Experimental Cell Research, 2008, 314, 869-877.	1.2	66
21	Pulp Fibroblasts Synthesize Functional Complement Proteins Involved in Initiating Dentinâ€“Pulp Regeneration. American Journal of Pathology, 2014, 184, 1991-2000.	1.9	66
22	Stem Cells of Dental Origin: Current Research Trends and Key Milestones towards Clinical Application. Stem Cells International, 2016, 2016, 1-20.	1.2	65
23	Influence of resinous monomers on the differentiationin vitro of human pulp cells into odontoblasts. Journal of Biomedical Materials Research Part B, 2002, 63, 418-423.	3.0	64
24	Pathophysiology of Dental Caries. Monographs in Oral Science, 2018, 27, 1-10.	0.9	64
25	Human Dental Pulp Fibroblasts Express the â€œCold-sensingâ€•Transient Receptor Potential Channels TRPA1 and TRPM8. Journal of Endodontics, 2011, 37, 473-478.	1.4	57
26	Tricalcium Silicate Capping Materials Modulate Pulp Healing and Inflammatory Activity InÂVitro. Journal of Endodontics, 2018, 44, 1686-1691.	1.4	57
27	In vitro microleakage of Biodentine as a dentin substitute compared to Fuji II LC in cervical lining restorations. Journal of Adhesive Dentistry, 2012, 14, 535-42.	0.3	56
28	Cytotoxicity of Epiphanyï¿½and Resilonï¿½with a root model. International Endodontic Journal, 2006, 39, 940-944.	2.3	51
29	Dentin Regeneration in vitro. Advances in Dental Research, 2011, 23, 320-324.	3.6	51
30	Sources of Dentin-Pulp Regeneration Signals and Their Modulation by the Local Microenvironment. Journal of Endodontics, 2014, 40, S19-S25.	1.4	48
31	Pulp Progenitor Cell Recruitment is Selectively Guided by a C5a Gradient. Journal of Dental Research, 2013, 92, 532-539.	2.5	47
32	Potential Therapeutic Strategy of Targeting Pulp Fibroblasts in Dentin-Pulp Regeneration. Journal of Endodontics, 2017, 43, S17-S24.	1.4	41
33	Pulp Fibroblasts Control Nerve Regeneration through Complement Activation. Journal of Dental Research, 2016, 95, 913-922.	2.5	38
34	Biodentine: from biochemical and bioactive properties to clinical applications. Giornale Italiano Di Endodonzia, 2016, 30, 81-88.	0.3	36
35	Can Pulp Fibroblasts Kill Cariogenic Bacteria? Role of Complement Activation. Journal of Dental Research, 2015, 94, 1765-1772.	2.5	35
36	An international survey on the use of calcium silicate-based sealers in non-surgical endodontic treatment. Clinical Oral Investigations, 2020, 24, 417-424.	1.4	34

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37	Conservative Management of Mature Permanent Teeth with Carious Pulp Exposure. Journal of Endodontics, 2020, 46, S33-S41.	1.4	34
38	Complement C3a Mobilizes Dental Pulp Stem Cells and Specifically Guides Pulp Fibroblast Recruitment. Journal of Endodontics, 2016, 42, 1377-1384.	1.4	31
39	Dentinâ€“pulp regeneration: the primordial role of the microenvironment and its modification by traumatic injuries and bioactive materials. Endodontic Topics, 2013, 28, 61-89.	0.5	30
40	LPS Induces Pulp Progenitor Cell Recruitment via Complement Activation. Journal of Dental Research, 2015, 94, 166-174.	2.5	29
41	Biodentine Reduces Tumor Necrosis Factor Alphaâ€“induced TRPA1 Expression in Odontoblastlike Cells. Journal of Endodontics, 2016, 42, 589-595.	1.4	28
42	Dental Pulp Stem Cell Recruitment Signals within Injured Dental Pulp Tissue. Dentistry Journal, 2016, 4, 8.	0.9	24
43	Complement Activation by Pulp Capping Materials Plays a Significant Role in Both Inflammatory and Pulp Stem Cells' Recruitment. Journal of Endodontics, 2017, 43, 1104-1110.	1.4	24
44	Nerve Growth Factor Secretion From Pulp Fibroblasts is Modulated by Complement C5a Receptor and Implied in Neurite Outgrowth. Scientific Reports, 2016, 6, 31799.	1.6	23
45	Preparation and characterization of biodegradable polyhydroxybutyrate-co-hydroxyvalerate/polyethylene glycol-based microspheres. International Journal of Pharmaceutics, 2016, 513, 49-61.	2.6	21
46	BioRoot RCS Extracts Modulate the Early Mechanisms of Periodontal Inflammation and Regeneration. Journal of Endodontics, 2019, 45, 1016-1023.	1.4	21
47	Characterization and angiogenic potential of xenogeneic bone grafting materials: Role of periodontal ligament cells. Dental Materials Journal, 2016, 35, 900-907.	0.8	20
48	Dental Pulp Response to RetroMTA after Partial Pulpotomy in Permanent Human Teeth. Journal of Endodontics, 2018, 44, 1692-1696.	1.4	19
49	Identification and validation of novel biomarkers and therapeutics for pulpitis using connectivity mapping. International Endodontic Journal, 2021, 54, 1571-1580.	2.3	18
50	Endoplasmic reticulum stress and mineralization inhibition mechanism by the resinous monomer <scp>HEMA</scp>. International Endodontic Journal, 2013, 46, 160-168.	2.3	16
51	Survival of human dental pulp cells after 4-week culture in human tooth model. Journal of Dentistry, 2019, 86, 33-40.	1.7	15
52	C5L2 Receptor Represses Brain-Derived Neurotrophic Factor Secretion in Lipoteichoic Acid-Stimulated Pulp Fibroblasts. Journal of Dental Research, 2017, 96, 92-99.	2.5	14
53	Human Pulp Fibroblast Implication in Phagocytosis via Complement Activation. Journal of Endodontics, 2019, 45, 584-590.	1.4	13
54	Ultrashort Peptide Hydrogels Display Antimicrobial Activity and Enhance Angiogenic Growth Factor Release by Dental Pulp Stem/Stromal Cells. Materials, 2021, 14, 2237.	1.3	12

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55	Recent Trends in Tricalcium Silicates for Vital Pulp Therapy. Current Oral Health Reports, 2018, 5, 178-185.	0.5	10
56	C5L2 Regulates DMP1 Expression during Odontoblastic Differentiation. Journal of Dental Research, 2019, 98, 597-604.	2.5	10
57	Complement activation links inflammation to dental tissue regeneration. Clinical Oral Investigations, 2020, 24, 4185-4196.	1.4	10
58	Preclinical effectiveness of an experimental tricalcium silicate cement on pulpal repair. Materials Science and Engineering C, 2020, 116, 111167.	3.8	10
59	Deciphering Reparative Processes in the Inflamed Dental Pulp. Frontiers in Dental Medicine, 2021, 2, .	0.5	10
60	C5L2 Silencing in Human Pulp Fibroblasts Enhances Nerve Outgrowth Under Lipoteichoic Acid Stimulation. Journal of Endodontics, 2018, 44, 1396-1401.	1.4	9
61	Advanced in Vitro Experimental Models for Tissue Engineering-based Reconstruction of a 3D Dentin/pulp Complex: a Literature Review. Stem Cell Reviews and Reports, 2021, 17, 785-802.	1.7	9
62	Fibroblasts Control Macrophage Differentiation during Pulp Inflammation. Journal of Endodontics, 2021, 47, 1427-1434.	1.4	9
63	How far do calcium release measurements properly reflect its multiple roles in dental tissue mineralization?. Clinical Oral Investigations, 2019, 23, 501-501.	1.4	8
64	Investigating unset endodontic sealersâ€™ eugenol and hydrocortisone roles in modulating the initial steps of inflammation. Clinical Oral Investigations, 2020, 24, 639-647.	1.4	8
65	Odontoblast cell death induces NLRP3 inflammasomeâ€dependent sterile inflammation and regulates dental pulp cell migration, proliferation and differentiation. International Endodontic Journal, 2021, 54, 941-950.	2.3	8
66	A connectivity mapping approach predicted acetylsalicylic acid (aspirin) to induce osteo/odontogenic differentiation of dental pulp cells. International Endodontic Journal, 2020, 53, 834-845.	2.3	7
67	Pulp Fibroblast Contribution to the Local Control of Pulp Inflammation via Complement Activation. Journal of Endodontics, 2020, 46, S26-S32.	1.4	6
68	Xenogeneic bone filling materials modulate mesenchymal stem cell recruitment: role of the Complement C5a. Clinical Oral Investigations, 2020, 24, 2321-2329.	1.4	5
69	Advances and New Technologies towards Clinical Application of Oral Stem Cells and Their Secretome. Stem Cells International, 2017, 2017, 1-3.	1.2	3
70	â€œThe stem cell fashionâ€• do we need only stem cells for tissue regeneration?. Clinical Oral Investigations, 2018, 22, 553-554.	1.4	3
71	Novel Antibacterial Properties of the Human Dental Pulp Multipotent Mesenchymal Stromal Cell Secretome. American Journal of Pathology, 2022, 192, 956-969.	1.9	3
72	Nanoarchitectonics of Electrically Activable Phosphonium Self-Assembled Monolayers to Efficiently Kill and Tackle Bacterial Infections on Demand. International Journal of Molecular Sciences, 2022, 23, 2183.	1.8	1

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73	Response to Letter to the Editor, â€œThe Role of Membrane Attack Complex Formation against Gram-positive Bacteriaâ€. Journal of Dental Research, 2016, 95, 477-477.	2.5	0
74	Biocompatibility and Bioactive Properties of BiodentineTM. , 2022, , 31-50.		0
75	BiodentineTM in Inflammation and Pain Control. , 2022, , 51-66.		0