

Joo-Cheol Park

List of Publications by Year in descending order

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122
papers

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citations

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3085
citing authors

#	ARTICLE	IF	CITATIONS
1	FAM83H Mutations in Families with Autosomal-Dominant Hypocalcified Amelogenesis Imperfecta. <i>American Journal of Human Genetics</i> , 2008, 82, 489-494.	6.2	169
2	A comparative study of osseointegration of Avana implants in a demineralized freeze-dried bone alone or with platelet-rich plasma. <i>Journal of Oral and Maxillofacial Surgery</i> , 2002, 60, 1018-1025.	1.2	123
3	The Effects of Interproximal Distance Between Roots on the Existence of Interdental Papillae According to the Distance From the Contact Point to the Alveolar Crest. <i>Journal of Periodontology</i> , 2006, 77, 1651-1657.	3.4	93
4	Nuclear Factor I-C Is Essential for Odontogenic Cell Proliferation and Odontoblast Differentiation during Tooth Root Development. <i>Journal of Biological Chemistry</i> , 2009, 284, 17293-17303.	3.4	88
5	Odontogenic differentiation of human dental pulp stem cells induced by preameloblast-derived factors. <i>Biomaterials</i> , 2011, 32, 9696-9706.	11.4	86
6	Influence of TGF- β 1 on the expression of BSP, DSP, TGF- β 1 receptor I and Smad proteins during reparative dentinogenesis. <i>Journal of Molecular Histology</i> , 2008, 39, 153-160.	2.2	76
7	<i>Nfic</i> Gene Disruption Inhibits Differentiation of Odontoblasts Responsible for Root Formation and Results in Formation of Short and Abnormal Roots in Mice. <i>Journal of Periodontology</i> , 2007, 78, 1795-1802.	3.4	72
8	The odontogenic ameloblast-associated protein (ODAM) cooperates with RUNX2 and modulates enamel mineralization via regulation of MMP-20. <i>Journal of Cellular Biochemistry</i> , 2010, 111, 755-767.	2.6	53
9	Endothelial progenitor cells from human dental pulp-derived iPS cells as a therapeutic target for ischemic vascular diseases. <i>Biomaterials</i> , 2013, 34, 8149-8160.	11.4	52
10	The amyloid protein APin is highly expressed during enamel mineralization and maturation in rat incisors. <i>European Journal of Oral Sciences</i> , 2007, 115, 153-160.	1.5	51
11	Clinical application of autogenous demineralized dentin matrix loaded with recombinant human bone morphogenetic protein-2 for socket preservation: A case series. <i>Clinical Implant Dentistry and Related Research</i> , 2019, 21, 4-10.	3.7	51
12	NFI-C Regulates Osteoblast Differentiation via Control of Osterix Expression. <i>Stem Cells</i> , 2014, 32, 2467-2479.	3.2	49
13	CPNE7, a preameloblast-derived factor, regulates odontoblastic differentiation of mesenchymal stem cells. <i>Biomaterials</i> , 2015, 37, 208-217.	11.4	47
14	Evaluation of the Healing Potential of Demineralized Dentin Matrix Fixed with Recombinant Human Bone Morphogenetic Protein-2 in Bone Grafts. <i>Materials</i> , 2017, 10, 1049.	2.9	47
15	GDF11 promotes osteogenesis as opposed to MSTN, and follistatin, a MSTN/GDF11 inhibitor, increases muscle mass but weakens bone. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 4910-4920.	7.1	45
16	The Canonical BMP Signaling Pathway Plays a Crucial Part in Stimulation of Dentin Sialophosphoprotein Expression by BMP-2. <i>Journal of Biological Chemistry</i> , 2010, 285, 36369-36376.	3.4	44
17	Crosstalk between Nuclear Factor I-C and Transforming Growth Factor- β 1 Signaling Regulates Odontoblast Differentiation and Homeostasis. <i>PLoS ONE</i> , 2011, 6, e29160.	2.5	44
18	Expression Profile of the Stem Cell Markers in Human Hertwig's Epithelial Root Sheath/Epithelial Rests of Malassez Cells. <i>Molecules and Cells</i> , 2011, 31, 355-360.	2.6	43

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19	Investigation of the β -catenin gene in a case of dentinogenic ghost cell tumor. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2007, 103, 97-101.	1.4	42
20	MicroRNA-27 promotes the differentiation of odontoblastic cell by targeting APC and activating Wnt/ β -catenin signaling. <i>Gene</i> , 2014, 538, 266-272.	2.2	42
21	Nuclear Factor I-C (NFIC) Regulates Dentin Sialophosphoprotein (DSPP) and E-cadherin via Control of Krüppel-like Factor 4 (KLF4) During Dentinogenesis. <i>Journal of Biological Chemistry</i> , 2014, 289, 28225-28236.	3.4	40
22	Nuclear factor I-C regulates E-cadherin via control of KLF4 in breast cancer. <i>BMC Cancer</i> , 2015, 15, 113.	2.6	40
23	Directing the differentiation of human dental follicle cells into cementoblasts and/or osteoblasts by a combination of HERS and pulp cells. <i>Journal of Molecular Histology</i> , 2011, 42, 227-235.	2.2	38
24	A feeder-free, defined three-dimensional polyethylene glycol-based extracellular matrix niche for culture of human embryonic stem cells. <i>Biomaterials</i> , 2013, 34, 3571-3580.	11.4	38
25	The sensitive detection of ODAM by using sandwich-type biosensors with a cognate pair of aptamers for the early diagnosis of periodontal disease. <i>Biosensors and Bioelectronics</i> , 2019, 126, 122-128.	10.1	35
26	Performance of electrospun poly(ϵ -caprolactone) fiber meshes used with mineral trioxide aggregates in a pulp capping procedure. <i>Acta Biomaterialia</i> , 2012, 8, 2986-2995.	8.3	33
27	Odontogenic Ameloblast-associated Protein (ODAM) Mediates Junctional Epithelium Attachment to Teeth via Integrin-ODAM-Rho Guanine Nucleotide Exchange Factor 5 (ARHGEF5)-RhoA Signaling. <i>Journal of Biological Chemistry</i> , 2015, 290, 14740-14753.	3.4	33
28	Tertiary Dentin Formation after Indirect Pulp Capping Using Protein CPNE7. <i>Journal of Dental Research</i> , 2016, 95, 906-912.	5.2	33
29	Disruption of Nfic Causes Dissociation of Odontoblasts by Interfering With the Formation of Intercellular Junctions and Aberrant Odontoblast Differentiation. <i>Journal of Histochemistry and Cytochemistry</i> , 2009, 57, 469-476.	2.5	31
30	Expression pattern, subcellular localization, and functional implications of ODAM in ameloblasts, odontoblasts, osteoblasts, and various cancer cells. <i>Gene Expression Patterns</i> , 2012, 12, 102-108.	0.8	31
31	<i>Cordyceps militaris</i> induces the IL-18 expression via its promoter activation for IFN- γ production. <i>Journal of Ethnopharmacology</i> , 2008, 120, 366-371.	4.1	30
32	The effect of odontoblast conditioned media and dentin non-collagenous proteins on the differentiation and mineralization of cementoblasts in vitro. <i>Archives of Oral Biology</i> , 2009, 54, 71-79.	1.8	28
33	Expression and functional characterization of the system I amino acid transporter in KB human oral epidermoid carcinoma cells. <i>Cancer Letters</i> , 2004, 205, 215-226.	7.2	26
34	Schwann-like cells differentiated from human dental pulp stem cells combined with a pulsed electromagnetic field can improve peripheral nerve regeneration. <i>Bioelectromagnetics</i> , 2016, 37, 163-174.	1.6	26
35	Isolation and Characterization of Cultured Human Periodontal Ligament Fibroblast-Specific cDNAs. <i>Biochemical and Biophysical Research Communications</i> , 2001, 282, 1145-1153.	2.1	25
36	Inhibition of L-Type Amino Acid Transporter Modulates the Expression of Cell Cycle Regulatory Factors in KB Oral Cancer Cells. <i>Biological and Pharmaceutical Bulletin</i> , 2010, 33, 1117-1121.	1.4	25

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37	Effects of electromagnetic field (PEMF) exposure at different frequency and duration on the peripheral nerve regeneration: <i>in vitro</i> and <i>in vivo</i> study. International Journal of Neuroscience, 2016, 126, 1-10.	1.6	25
38	Dental follicle cells and cementoblasts induce apoptosis of ameloblast lineage and Hertwig's epithelial root sheath/epithelial rests of Malassez cells through the Fas-Fas ligand pathway. European Journal of Oral Sciences, 2012, 120, 29-37.	1.5	24
39	Tertiary Dentin Formation after Direct Pulp Capping with Odontogenic Ameloblast-associated Protein in Rat Teeth. Journal of Endodontics, 2010, 36, 1956-1962.	3.1	23
40	Suberoylanilide Hydroxamic Acid Enhances Odontoblast Differentiation. Journal of Dental Research, 2012, 91, 506-512.	5.2	23
41	Novel MMP20 and KLK4 Mutations in Amelogenesis Imperfecta. Journal of Dental Research, 2015, 94, 1063-1069.	5.2	23
42	<i>Nfic</i> regulates tooth root patterning and growth. Anatomy and Cell Biology, 2015, 48, 188.	1.0	22
43	Establishment of Hertwig's Epithelial Root Sheath/Epithelial Rests of Malassez Cell Line from Human Periodontium. Molecules and Cells, 2014, 37, 562-567.	2.6	21
44	Identification of the DSPP mutation in a new kindred and phenotype-genotype correlation. Oral Diseases, 2011, 17, 314-319.	3.0	20
45	Zinc balance is critical for NF- κ B mediated regulation of odontoblast differentiation. Journal of Cellular Biochemistry, 2012, 113, 877-887.	2.6	20
46	Cytotoxic effects of one-step self-etching adhesives on an odontoblast cell line. Scanning, 2016, 38, 36-42.	1.5	20
47	Salivary microbiota in periodontal health and disease and their changes following nonsurgical periodontal treatment. Journal of Periodontal and Implant Science, 2020, 50, 171.	2.0	20
48	Novel dentin phosphoprotein frameshift mutations in dentinogenesis imperfecta type II. Clinical Genetics, 2011, 79, 378-384.	2.0	19
49	Epigenetic Priming Confers Direct Cell Trans-Differentiation From Adipocyte to Osteoblast in a Transgene-Free State. Journal of Cellular Physiology, 2016, 231, 1484-1494.	4.1	19
50	Dentin hypersensitivity and emerging concepts for treatments. Journal of Oral Biosciences, 2017, 59, 211-217.	2.2	19
51	Elucidation of CPX-1 involvement in RANKL-induced osteoclastogenesis by a proteomics approach. FEBS Letters, 2004, 564, 166-170.	2.8	18
52	Odontoblastic inductive potential of epithelial cells derived from human deciduous dental pulp. Journal of Molecular Histology, 2016, 47, 345-351.	2.2	18
53	Odontogenic ameloblast-associated protein (ODAM), via phosphorylation by bone morphogenetic protein receptor type IB (BMPRI-IB), is implicated in ameloblast differentiation. Journal of Cellular Biochemistry, 2011, 113, n/a-n/a.	2.6	17
54	The role of preameloblast-conditioned medium in dental pulp regeneration. Journal of Molecular Histology, 2013, 44, 715-721.	2.2	17

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55	Effect of Conditioned Medium from Preameloblasts on Regenerative Cellular Differentiation of the Immature Teeth with Necrotic Pulp and Apical Periodontitis. <i>Journal of Endodontics</i> , 2014, 40, 1355-1361.	3.1	17
56	Copine-7 binds to the cell surface receptor, nucleolin, and regulates ciliogenesis and Dspp expression during odontoblast differentiation. <i>Scientific Reports</i> , 2017, 7, 11283.	3.3	17
57	The role of nuclear factor I-C in tooth and bone development. <i>Journal of the Korean Association of Oral and Maxillofacial Surgeons</i> , 2017, 43, 63.	0.8	16
58	ODAM inhibits RhoA-dependent invasion in breast cancer. <i>Cell Biochemistry and Function</i> , 2015, 33, 451-461.	2.9	14
59	Osteogenic differentiation and gene expression profile of human dental follicle cells induced by human dental pulp cells. <i>Journal of Molecular Histology</i> , 2015, 46, 93-106.	2.2	14
60	Odontogenic ameloblast-associated protein (ODAM) in gingival crevicular fluid for site-specific diagnostic value of periodontitis: a pilot study. <i>BMC Oral Health</i> , 2018, 18, 148.	2.3	14
61	Tubular Dentin Regeneration Using a CPNE7-Derived Functional Peptide. <i>Materials</i> , 2020, 13, 4618.	2.9	14
62	Expression of UNCL during development of periodontal tissue and response of periodontal ligament fibroblasts to mechanical stress in vivo and in vitro. <i>Cell and Tissue Research</i> , 2006, 327, 25-31.	2.9	13
63	Apoptosis of the reduced enamel epithelium and its implications for bone resorption during tooth eruption. <i>Journal of Molecular Histology</i> , 2013, 44, 65-73.	2.2	13
64	The Nfic-osterix pathway regulates ameloblast differentiation and enamel formation. <i>Cell and Tissue Research</i> , 2018, 374, 531-540.	2.9	13
65	Downregulation of adenomatous polyposis coli by microRNA-663 promotes odontogenic differentiation through activation of Wnt/beta-catenin signaling. <i>Biochemical and Biophysical Research Communications</i> , 2014, 446, 894-900.	2.1	12
66	Expression of CPNE7 during mouse dentinogenesis. <i>Journal of Molecular Histology</i> , 2019, 50, 179-188.	2.2	12
67	CPNE7-Induced Autophagy Restores the Physiological Function of Mature Odontoblasts. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 655498.	3.7	12
68	Regulation of root patterns in mammalian teeth. <i>Scientific Reports</i> , 2017, 7, 12714.	3.3	11
69	Different Responsiveness of Alveolar Bone and Long Bone to Epithelial-Mesenchymal Interaction-Related Factor. <i>JBMR Plus</i> , 2020, 4, e10382.	2.7	11
70	Effects of presurgical and post-surgical irradiation on the healing process of Medpor® in dogs. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2001, 30, 438-442.	1.5	10
71	Identification of cell-penetrating osteogenic peptide from copine-7 protein and its delivery system for enhanced bone formation. <i>Journal of Biomedical Materials Research - Part A</i> , 2019, 107, 2392-2402.	4.0	9
72	Rapid induction of malignant tumor in Sprague-Dawley rats by injection of RK3E-ras cells. <i>Cancer Letters</i> , 2006, 235, 53-59.	7.2	8

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73	SHP is Involved in BMP2-induced Odontoblast Differentiation. <i>Journal of Dental Research</i> , 2012, 91, 1124-1129.	5.2	8
74	Preameloblast-Derived Factors Mediate Osteoblast Differentiation of Human Bone Marrow Mesenchymal Stem Cells by Runx2-Osterix-BSP Signaling. <i>Tissue Engineering - Part A</i> , 2016, 22, 93-102.	3.1	8
75	Effects of platelet-rich plasma on tooth replantation in dogs: a histologic and histomorphometric analysis. <i>Journal of Periodontal and Implant Science</i> , 2018, 48, 224.	2.0	8
76	Novel frameshift mutations in <i>DSPP</i> cause dentin dysplasia type II. <i>Oral Diseases</i> , 2019, 25, 2044-2046.	3.0	8
77	The effect of CPNE7 on periodontal regeneration. <i>Connective Tissue Research</i> , 2019, 60, 419-430.	2.3	8
78	Comparison and Contrast of Bone and Dentin in Genetic Disorder, Morphology and Regeneration: A Review. <i>Journal of Bone Metabolism</i> , 2021, 28, 1-10.	1.3	8
79	Comparative fine structure of the epididymal spermatozoa from three Korean shrews with considerations on their phylogenetic relationships. <i>Biocell</i> , 2006, 30, 279-286.	0.7	8
80	A new method for rapid screening of bacterial species- or subspecies-specific DNA probes. <i>FEMS Microbiology Letters</i> , 2003, 219, 121-127.	1.8	7
81	Effect of fibroblast growth factor on injured periodontal ligament and cementum after tooth replantation in dogs. <i>Journal of Periodontal and Implant Science</i> , 2015, 45, 111.	2.0	6
82	Guided Tissue Regeneration of the Mixture of Human Tooth-Ash and Plaster of Paris in Dogs. <i>Key Engineering Materials</i> , 2007, 330-332, 1327-1330.	0.4	5
83	Periodontal healing with a preameloblast-conditioned medium in dogs. <i>Journal of Periodontal Research</i> , 2016, 51, 284-294.	2.7	5
84	Dental Stem Cells and Their Applications. <i>Chinese journal of dental research: the official journal of the Scientific Section of the Chinese Stomatological Association (CSA)</i> , The, 2015, 18, 207-12.	0.2	5
85	Reduced graphene oxide-incorporated calcium phosphate cements with pulsed electromagnetic fields for bone regeneration. <i>RSC Advances</i> , 2022, 12, 5557-5570.	3.6	5
86	Increased Association of Dynamin II with Myosin II in Ras Transformed NIH3T3 Cells. <i>Acta Biochimica Et Biophysica Sinica</i> , 2006, 38, 556-562.	2.0	4
87	Dentin sialophosphoprotein expression in enamel is regulated by Copine-7, a preameloblast-derived factor. <i>Archives of Oral Biology</i> , 2018, 86, 131-137.	1.8	4
88	Expression and functional characterization of odontoblast-derived gene: OD314. <i>The Journal of Korean Academy of Conservative Dentistry</i> , 2004, 29, 399.	0.3	4
89	MicroRNA-27 Promotes Odontoblast Differentiation via Wnt1 Signaling. <i>International Journal of Oral Biology: Official Journal of the Korean Academy of Oral Biology and the UCLA Dental Research Institute</i> , 2015, 40, 197-204.	0.1	4
90	Tubular dentin formation by TGF β /BMP signaling in dental epithelial cells. <i>Oral Diseases</i> , 2023, 29, 1644-1656.	3.0	4

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91	<scp>CPNE7</scp> regenerates periodontal ligament via <scp>TAU</scp>-mediated alignment and cementum attachment protein-mediated attachment. Journal of Clinical Periodontology, 2022, 49, 609-620.	4.9	4
92	NFI-C Is Required for Epiphyseal Chondrocyte Proliferation during Postnatal Cartilage Development. Molecules and Cells, 2020, 43, 739-748.	2.6	3
93	Inactivation of the OD314 Gene by RNA Interference in Preodontoblast Cell Lines. Korean Journal of Physical Anthropology, 2004, 17, 121.	0.2	3
94	Effect of preameloblast-conditioned medium and CPNE7 on root surfaces in dogs: a histologic and histomorphometric evaluation. Journal of Molecular Histology, 2018, 49, 265-276.	2.2	3
95	Experimental Study of Pulp Capping Using Xenogenic Demineralized Dentin Paste. Journal of Hard Tissue Biology, 2016, 25, 321-328.	0.4	2
96	Role of OD314 During Odontoblast Differentiation. Korean Journal of Physical Anthropology, 2005, 18, 187.	0.2	2
97	Bone formation effect of HA/ β -TCP composite powders in rabbit calvarial bone defects: Histologic study. The Journal of the Korean Academy of Periodontology, 2006, 36, 1.	0.1	2
98	Cellular study of replicative senescence in human periodontal ligament fibroblast using molecular biology. The Journal of the Korean Academy of Periodontology, 2005, 35, 623.	0.1	1
99	Non-Thermal Atmospheric Pressure Plasma-Conditioned Root Dentin Promotes Attraction and Attachment of Primary Human Dental Pulp Stem Cells in Real-Time Ex Vivo. Applied Sciences (Switzerland), 2021, 11, 6836.	2.5	1
100	3D Visualization of Dynamic Cellular Reaction of Pulpal CD11c+ Dendritic Cells against Pulpitis in Whole Murine Tooth. International Journal of Molecular Sciences, 2021, 22, 12683.	4.1	1
101	Nicotinamide phosphoribosyltransferase regulates the cell differentiation and mineralization in cultured odontoblasts. Korean Journal of Physiology and Pharmacology, 2022, 26, 37-45.	1.2	1
102	Surface characteristics and biocompatibility of bioinert nitrides ion plated titanium implant. The Journal of the Korean Academy of Periodontology, 1999, 29, 209.	0.1	0
103	Expression of PDL-specific protein;PDLs22 on the developing mouse tooth and periodontium. The Journal of the Korean Academy of Periodontology, 2002, 32, 1.	0.1	0
104	Expression of OD314 during ameloblast differentiation and maturation. The Journal of Korean Academy of Conservative Dentistry, 2005, 30, 423.	0.3	0
105	Role of the periosteum on bone regeneration in rabbit calvarial defects. The Journal of the Korean Academy of Periodontology, 2005, 35, 939.	0.1	0
106	Expression and function of OD314, Apin protein during ameloblast differentiation and amelogenesis. The Journal of Korean Academy of Conservative Dentistry, 2006, 31, 437.	0.3	0
107	Bone Formation Effect of HA/ β -TCP Composite Powders in Rabbit Calvarial Bone Defects: Histologic Study. Key Engineering Materials, 2007, 330-332, 1331-1334.	0.4	0
108	Differential Expression of System L Amino Acid Transporters during Wound Healing Process in the Skin of Young and Old Rats. Biological and Pharmaceutical Bulletin, 2008, 31, 395-399.	1.4	0

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109	The Effect of Interleukin 1- β , Platelet Derived Growth Factor-BB and Transforming Growth Factor- β on the expression of PDLs17 mRNA in the Cultured Human Periodontal Ligament Fibroblasts. The Journal of the Korean Academy of Periodontology, 2001, 31, 787.	0.1	0
110	Expression of Chicken Cartilage Derived Matrix Protein 10 (CCMP 10) in Chondrogenesis. Korean Journal of Physical Anthropology, 2003, 16, 15.	0.2	0
111	Morphological Differences of the Wound Healing in Secretary Leukocyte Protease Inhibitor Knockout Mice. Korean Journal of Physical Anthropology, 2005, 18, 197.	0.2	0
112	Differential Expression of System L Amino Acid Transporters in Wound Healing Process of Rat Skin. Korean Journal of Physical Anthropology, 2006, 19, 37.	0.2	0
113	Expression of amino acid transport system L in the differentiation of periodontal ligament fibroblast cells. The Journal of the Korean Academy of Periodontology, 2006, 36, 783.	0.1	0
114	A study of APin-protein interactions using protein microarray. The Journal of Korean Academy of Conservative Dentistry, 2007, 32, 459.	0.3	0
115	Effects of Melatonin on MDPC-23 Cells Differentiation. Korean Journal of Physical Anthropology, 2007, 20, 105.	0.2	0
116	Synthesis and evaluation of PDLs22 recombinant protein. The Journal of the Korean Academy of Periodontology, 2007, 37, 35.	0.1	0
117	Healing of the bone around pure titanium implants without primary bone contact. The Journal of the Korean Academy of Periodontology, 1999, 29, 233.	0.1	0
118	Healing of the Bone around Hydroxyapatite-Coated Implants without Primary Bone Contact. The Journal of the Korean Academy of Periodontology, 1999, 29, 415.	0.1	0
119	NFI-C regulates osteoblast differentiation via control of osterix expression. Bone Abstracts, 0, , .	0.0	0
120	Odontogenic Ameloblast-Associated Protein (Odam) Plays Crucial Roles in Osteoclast Differentiation via Control of Actin Ring Formation. Journal of Korean Dental Science, 2015, 8, 74-81.	0.1	0
121	Effect of Metformin on Cell Growth and Differentiation in Cultured Odontoblasts. International Journal of Oral Biology: Official Journal of the Korean Academy of Oral Biology and the UCLA Dental Research Institute, 2017, 42, 39-45.	0.1	0
122	Effect of Resveratrol on Cell Differentiation and Mineralization in Cultured Odontoblasts. International Journal of Oral Biology: Official Journal of the Korean Academy of Oral Biology and the UCLA Dental Research Institute, 2018, 43, 133-140.	0.1	0