Kan Saito

List of Publications by Year
in descending order

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43 papers	1,093 citations	516710 16 h-index	395702 33 g-index
43 all docs	43 docs citations	43 times ranked	1392 citing authors

#	Article	IF	Citations
1	U0126 and PD98059, Specific Inhibitors of MEK, Accelerate Differentiation of RAW264.7 Cells into Osteoclast-like Cells. Journal of Biological Chemistry, 2002, 277, 47366-47372.	3.4	279
2	Sox2+ Stem Cells Contribute to All Epithelial Lineages of the Tooth via Sfrp5+ Progenitors. Developmental Cell, 2012, 23, 317-328.	7.0	203
3	Laminin Î±2 Is Essential for Odontoblast Differentiation Regulating Dentin Sialoprotein Expression. Journal of Biological Chemistry, 2004, 279, 10286-10292.	3.4	63
4	Infection-induced Up-regulation of the Costimulatory Molecule 4-1BB in Osteoblastic Cells and Its Inhibitory Effect on M-CSF/RANKL-induced in Vitro Osteoclastogenesis. Journal of Biological Chemistry, 2004, 279, 13555-13563.	3.4	48
5	Single-Cell RNA-Sequencing From Mouse Incisor Reveals Dental Epithelial Cell-Type Specific Genes. Frontiers in Cell and Developmental Biology, 2020, 8, 841.	3.7	39
6	Amelogenin binds to both heparan sulfate and bone morphogenetic protein 2 and pharmacologically suppresses the effect of noggin. Bone, 2008, 43, 371-376.	2.9	34
7	Nephronectin plays critical roles in Sox2 expression and proliferation in dental epithelial stem cells via EGF-like repeat domains. Scientific Reports, 2017, 7, 45181.	3.3	34
8	Amelogenin is a negative regulator of osteoclastogenesis via downregulation of RANKL, M-CSF and fibronectin expression in osteoblasts. Archives of Oral Biology, 2007, 52, 237-243.	1.8	31
9	Connexin 43 Is Necessary for Salivary Gland Branching Morphogenesis and FGF10-induced ERK1/2 Phosphorylation. Journal of Biological Chemistry, 2016, 291, 904-912.	3.4	31
10	The transcription factor NKX2-3 mediates p21 expression and ectodysplasin-A signaling in the enamel knot for cusp formation in tooth development. Journal of Biological Chemistry, 2018, 293, 14572-14584.	3.4	30
11	Interaction between Fibronectin and Î²1 Integrin Is Essential for Tooth Development. PLoS ONE, 2015, 10, e0121667.	2.5	29
12	Plakophilin-1, a Novel Wnt Signaling Regulator, Is Critical for Tooth Development and Ameloblast Differentiation. PLoS ONE, 2016, 11, e0152206.	2.5	28
13	The transcription factor AmeloD stimulates epithelial cell motility essential for tooth morphology. Journal of Biological Chemistry, 2019, 294, 3406-3418.	3.4	24
14	Globoside accelerates the differentiation of dental epithelial cells into ameloblasts. International Journal of Oral Science, 2016, 8, 205-212.	8.6	21
15	Sox21 Regulates Anapc10 Expression and Determines the Fate of Ectodermal Organ. IScience, 2020, 23, 101329.	4.1	20
16	Mutant GDF5 enhances ameloblast differentiation via accelerated BMP2-induced Smad1/5/8 phosphorylation. Scientific Reports, 2016, 6, 23670.	3.3	17
17	Pannexin 3 ER Ca2+ channel gating is regulated by phosphorylation at the Serine 68 residue in osteoblast differentiation. Scientific Reports, 2019, 9, 18759.	3.3	17
18	Regulation of miR-1-Mediated Connexin 43 Expression and Cell Proliferation in Dental Epithelial Cells. Frontiers in Cell and Developmental Biology, 2020, 8, 156.	3.7	14

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19	Expression Patterns of Claudin Family Members During Tooth Development and the Role of Claudin-10 (Cldn10) in Cytodifferentiation of Stratum Intermedium. Frontiers in Cell and Developmental Biology, 2020, 8, 595593.	3.7	12
20	G proteinâ€“coupled receptor Gpr115 (Adgrf4) is required for enamel mineralization mediated by ameloblasts. Journal of Biological Chemistry, 2020, 295, 15328-15341.	3.4	12
21	Phylogenetic analyses and detection of viridans streptococci based on sequences and denaturing gradient gel electrophoresis of the rod shape-determining protein gene. Journal of Oral Microbiology, 2009, 1, 2015.	2.7	10
22	Molecular contribution to cleft palate production in cleft lip mice. Congenital Anomalies (discontinued), 2014, 54, 94-99.	0.6	10
23	New insights into the functions of enamel matrices in calcified tissues. Japanese Dental Science Review, 2014, 50, 47-54.	5.1	9
24	Application of a tooth-surface coating material containing pre-reacted glass-ionomer fillers for caries prevention. Pediatric Dental Journal, 2015, 25, 72-78.	0.7	9
25	Phosphorylationâ€dependent osterix degradation negatively regulates osteoblast differentiation. FASEB Journal, 2020, 34, 14930-14945.	0.5	9
26	Novel Epitopic Region of Glucosyltransferase B from Streptococcus mutans. Vaccine Journal, 2011, 18, 1552-1561.	3.1	8
27	Connexin 43-Mediated Gap Junction Communication Regulates Ameloblast Differentiation via ERK1/2 Phosphorylation. Frontiers in Physiology, 2021, 12, 748574.	2.8	8
28	Application of a tooth-surface coating material to teeth with discolored crowns. Pediatric Dental Journal, 2013, 23, 44-50.	0.7	6
29	Evaluation of the optimal exposure settings for occlusal photography with digital cameras. Pediatric Dental Journal, 2014, 24, 89-96.	0.7	6
30	The enamel knot-like structure is eternally maintained in the apical bud of postnatal mouse incisors. Archives of Oral Biology, 2015, 60, 1122-1130.	1.8	6
31	Establishment of crownâ€“root domain borders in mouse incisor. Gene Expression Patterns, 2013, 13, 255-264.	0.8	4
32	Removable orthodontic appliance with nickelâ€“titanium spring to reposition the upper incisors in an autistic patient. Special Care in Dentistry, 2013, 33, 35-39.	0.8	4
33	Transcriptional regulation of the basicÂhelixâ€loopâ€helix factor AmeloD during tooth development. Journal of Cellular Physiology, 2021, 236, 7533-7543.	4.1	4
34	von Willebrand factor D and EGF domains regulate ameloblast differentiation and enamel formation. Journal of Cellular Physiology, 2022, 237, 1964-1979.	4.1	4
35	Material properties on enamel and fissure of surface pre-reacted glass-ionomer filler-containing dental sealant. Pediatric Dental Journal, 2018, 28, 87-95.	0.7	3
36	The toothâ€specific basic helixâ€loopâ€helix factor AmeloD promotes differentiation of ameloblasts. Journal of Cellular Physiology, 2022, 237, 1597-1606.	4.1	2

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37	Evaluation of a Hypersensitivity Inhibitor Containing a Novel Monomer That Induces Remineralizationâ€"A Case Series in Pediatric Patients. Children, 2021, 8, 1189.	1.5	2
38	Establishment of exÂvivo mucocele model using salivary gland organ culture. Pediatric Dental Journal, 2014, 24, 78-82.	0.7	1
39	Melnick-Needles syndrome associated molecule, Filamin-A regulates dental epithelial cell migration and root formation. Pediatric Dental Journal, 2020, 30, 208-214.	0.7	1
40	Identification and function analysis of ameloblast differentiation-related molecules using mouse incisors. Pediatric Dental Journal, 2020, 30, 129-138.	0.7	1
41	Traction of the lower second premolar by application of band-loop space maintainer in an autistic child. Pediatric Dental Journal, 2013, 23, 91-94.	0.7	0
42	Finger sucking callus as useful indicator for malocclusion in young children. Pediatric Dental Journal, 2016, 26, 103-108.	0.7	0
43	Connexin 43-Mediated Gap Junction Communication Regulates Ameloblast Differentiation ERK1/2 Phosphorylation. Frontiers in Physiology, 2021, 12, 748574.	2.8	0