James P Simmer

List of Publications by Year
in descending order

218 papers	12,697 citations	16437 64 h-index	30894 102 g-index
223 all docs	223 docs citations	223 times ranked	5278 citing authors

#	Article	IF	Citations
1	Recessive Mutations in ACP4 Cause Amelogenesis Imperfecta. Journal of Dental Research, 2022, 101, 37-45.	2.5	9
2	Novel homozygous KREMEN1 mutation causes ectodermal dysplasia. Oral Diseases, 2022, 28, 843-845.	1.5	0
3	Novel KLK4 Mutations Cause Hypomaturation Amelogenesis Imperfecta. Journal of Personalized Medicine, 2022, 12, 150.	1.1	1
4	Novel Mutations in GPR68 and SLC24A4 Cause Hypomaturation Amelogenesis Imperfecta. Journal of Personalized Medicine, 2022, 12, 13.	1.1	7
5	The Modified Shields Classification and 12 Families with Defined DSPP Mutations. Genes, 2022, 13, 858.	1.0	8
6	Translated Mutant DSPP mRNA Expression Level Impacts the Severity of Dentin Defects. Journal of Personalized Medicine, 2022, 12, 1002.	1.1	6
7	FAM83H and Autosomal Dominant Hypocalcified Amelogenesis Imperfecta. Journal of Dental Research, 2021, 100, 293-301.	2.5	17
8	The spatial distribution of focal stacks within the inner enamel layer of mandibular mouse incisors. Journal of Anatomy, 2021, 238, 970-985.	0.9	1
9	Odontogenesis-associated phosphoprotein truncation blocks ameloblast transition into maturation in OdaphC41*/C41* mice. Scientific Reports, 2021, 11, 1132.	1.6	11
10	A Novel De Novo SP6 Mutation Causes Severe Hypoplastic Amelogenesis Imperfecta. Genes, 2021, 12, 346.	1.0	7
11	Translational Attenuation by an Intron Retention in the 5â€² UTR of ENAM Causes Amelogenesis Imperfecta. Biomedicines, 2021, 9, 456.	1.4	4
12	MMP20-generated amelogenin cleavage products prevent formation of fan-shaped enamel malformations. Scientific Reports, 2021, 11, 10570.	1.6	11
13	Analyses of oligodontia phenotypes and genetic etiologies. International Journal of Oral Science, 2021, 13, 32.	3.6	23
14	Mouse Dspp frameshift model of human dentinogenesis imperfecta. Scientific Reports, 2021, 11, 20653.	1.6	8
15	A genetic model for the secretory stage of dental enamel formation. Journal of Structural Biology, 2021, 213, 107805.	1.3	17
16	Synergistic Mutations of LRP6 and WNT10A in Familial Tooth Agenesis. Journal of Personalized Medicine, 2021, 11, 1217.	1.1	15
17	Dental malformations associated with biallelic MMP20 mutations. Molecular Genetics & Genomic Medicine, 2020, 8, e1307.	0.6	9
18	Amelogenin phosphorylation regulates tooth enamel formation by stabilizing a transient amorphous mineral precursor. Journal of Biological Chemistry, 2020, 295, 1943-1959.	1.6	42

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19	Alteration of Exon Definition Causes Amelogenesis Imperfecta. Journal of Dental Research, 2020, 99, 410-418.	2.5	15
20	Candidate gene sequencing reveals mutations causing hypoplastic amelogenesis imperfecta. Clinical Oral Investigations, 2019, 23, 1481-1487.	1.4	7
21	AMBN mutations causing hypoplastic amelogenesis imperfecta and Ambn knockoutâ€NLSâ€lacZ knockin mice exhibiting failed amelogenesis and Ambn tissueâ€specificity. Molecular Genetics & Genomic Medicine, 2019, 7, e929.	0.6	23
22	Novel frameshift mutations in DSPP cause dentin dysplasia type II. Oral Diseases, 2019, 25, 2044-2046.	1.5	8
23	ENAM mutations and digenic inheritance. Molecular Genetics & Genomic Medicine, 2019, 7, e00928.	0.6	14
24	Characteristics of the transverse 2D uniserial arrangement of rows of decussating enamel rods in the inner enamel layer of mouse mandibular incisors. Journal of Anatomy, 2019, 235, 912-930.	0.9	5
25	Transcriptome analysis of gingival tissues of enamelâ€renal syndrome. Journal of Periodontal Research, 2019, 54, 653-661.	1.4	14
26	The Enamel Phenotype in Homozygous Fam83h Truncation Mice. Molecular Genetics & Genomic Medicine, 2019, 7, e724.	0.6	16
27	Protocols for Studying Formation and Mineralization of Dental Tissues In Vivo: Extraction Protocol for Isolating Dentin Matrix Proteins from Developing Teeth. Methods in Molecular Biology, 2019, 1922, 239-250.	0.4	1
28	WDR72Mutations Associated with Amelogenesis Imperfecta and Acidosis. Journal of Dental Research, 2019, 98, 541-548.	2.5	38
29	Quantitative analysis of the core 2D arrangement and distribution of enamel rods in crossâ€sections of mandibular mouse incisors. Journal of Anatomy, 2019, 234, 274-290.	0.9	6
30	Mutations in RELT cause autosomal recessive amelogenesis imperfecta. Clinical Genetics, 2019, 95, 375-383.	1.0	49
31	Hypoplastic AI with Highly Variable Expressivity Caused by ENAM Mutations. Journal of Dental Research, 2018, 97, 1064-1069.	2.5	11
32	The dynamics of TGF-Î² in dental pulp, odontoblasts and dentin. Scientific Reports, 2018, 8, 4450.	1.6	63
33	Structural features, processing mechanism and gene splice variants of dentin sialophosphoprotein. Japanese Dental Science Review, 2018, 54, 183-196.	2.0	15
34	Developmental Disorders of Dentin â˜†. , 2018, , .		1
35	Biomimetic Enamel Regeneration Mediated by Leucine-Rich Amelogenin Peptide. Journal of Dental Research, 2017, 96, 524-530.	2.5	55
36	Analyses of MMP20 Missense Mutations in Two Families with Hypomaturation Amelogenesis Imperfecta. Frontiers in Physiology, 2017, 8, 229.	1.3	18

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37	Protein Phosphorylation and Mineral Binding Affect the Secondary Structure of the Leucine-Rich Amelogenin Peptide. Frontiers in Physiology, 2017, 8, 450.	1.3	17
38	Endocytosis and Enamel Formation. Frontiers in Physiology, 2017, 8, 529.	1.3	15
39	Enamel ribbons, surface nodules, and octacalcium phosphate in C57<scp>BL</scp>/6Amelx^{â˜'/â˜'}mice andAmelx^{+/â˜'}lyonization. Molecular Genetics & Genomic Medicine, 2016, 4, 641-661.	0.6	33
40	Ultrastructure of early amelogenesis in wildâ€type, Amelx ^{â€/â€} , and Enam ^{â€/â€} mice: enamel ribbon initiation on dentin mineral and ribbon orientation by ameloblasts. Molecular Genetics & Genomic Medicine, 2016, 4, 662-683.	0.6	44
41	Mutations in the pH-Sensing G-protein-Coupled Receptor GPR68 Cause Amelogenesis Imperfecta. American Journal of Human Genetics, 2016, 99, 984-990.	2.6	56
42	The dentin phosphoprotein repeat region and inherited defects of dentin. Molecular Genetics & Genomic Medicine, 2016, 4, 28-38.	0.6	18
43	Fam83h null mice support a neomorphic mechanism for human ADHCAI. Molecular Genetics & Genomic Medicine, 2016, 4, 46-67.	0.6	36
44	MMP20, KLK4, and MMP20/KLK4 double null mice define roles for matrix proteases during dental enamel formation. Molecular Genetics & Genomic Medicine, 2016, 4, 178-196.	0.6	36
45	MMP20 Proteolysis of Native Amelogenin Regulates Mineralization In Vitro. Journal of Dental Research, 2016, 95, 1511-1517.	2.5	25
46	Recessive Mutations in ACPT , Encoding Testicular Acid Phosphatase, Cause Hypoplastic Amelogenesis Imperfecta. American Journal of Human Genetics, 2016, 99, 1199-1205.	2.6	43
47	Maturation stage enamel malformations in Amtn and Klk4 null mice. Matrix Biology, 2016, 52-54, 219-233.	1.5	23
48	Taurodontism, variations in tooth number, and misshapened crowns inWnt10anull mice and human kindreds. Molecular Genetics & Genomic Medicine, 2015, 3, 40-58.	0.6	96
49	Critical roles for <scp>WDR</scp>72 in calcium transport and matrix protein removal during enamel maturation. Molecular Genetics & Genomic Medicine, 2015, 3, 302-319.	0.6	45
50	Hypomaturation amelogenesis imperfecta caused by a novel SLC24A4 mutation. Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology, 2015, 119, e77-e81.	0.2	25
51	New Perspectives on Amelotin and Amelogenesis. Journal of Dental Research, 2015, 94, 642-644.	2.5	18
52	Root anomalies and dentin dysplasia in autosomal recessive hyperphosphatemic familial tumoral calcinosis (HFTC). Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology, 2015, 120, e235-e239.	0.2	13
53	Matrix Metalloproteinase-20 Over-Expression Is Detrimental to Enamel Development: A Mus musculus Model. PLoS ONE, 2014, 9, e86774.	1.1	22
54	Enamelin Is Critical for Ameloblast Integrity and Enamel Ultrastructure Formation. PLoS ONE, 2014, 9, e89303.	1.1	56

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55	Kallikrein-related peptidase-4 (KLK4): role in enamel formation and revelations from ablated mice. Frontiers in Physiology, 2014, 5, 240.	1.3	26
56	Regulation of calcium phosphate formation by native amelogenins in vitro. Connective Tissue Research, 2014, 55, 21-24.	1.1	23
57	Ameloblast transcriptome changes from secretory to maturation stages. Connective Tissue Research, 2014, 55, 29-32.	1.1	17
58	STIM1 and SLC24A4 Are Critical for Enamel Maturation. Journal of Dental Research, 2014, 93, 94S-100S.	2.5	93
59	ITGB6 loss-of-function mutations cause autosomal recessive amelogenesis imperfecta. Human Molecular Genetics, 2014, 23, 2157-2163.	1.4	54
60	Evolution of Klk4 and enamel maturation in eutherians. Biological Chemistry, 2014, 395, 1003-1013.	1.2	22
61	Fluoride Affects Enamel Protein Content via TGF-Î²1-mediated KLK4 Inhibition. Journal of Dental Research, 2014, 93, 1022-1027.	2.5	47
62	Characterization of Periodontal Structures of Enamelin-Null Mice. Journal of Periodontology, 2014, 85, 195-203.	1.7	4
63	FAM20A Mutations Associated with Enamel Renal Syndrome. Journal of Dental Research, 2014, 93, 42-48.	2.5	60
64	MMP20 and KLK4 activation and inactivation interactions in vitro. Archives of Oral Biology, 2013, 58, 1569-1577.	0.8	25
65	Effects of Fam83h overexpression on enamel and dentine formation. Archives of Oral Biology, 2013, 58, 1148-1154.	0.8	19
66	CryoTEM study of effects of phosphorylation on the hierarchical assembly of porcine amelogenin and its regulation of mineralization in vitro. Journal of Structural Biology, 2013, 183, 250-257.	1.3	26
67	FAM20C Functions Intracellularly Within Both Ameloblasts and Odontoblasts In Vivo. Journal of Bone and Mineral Research, 2013, 28, 2508-2511.	3.1	17
68	LAMB3 Mutations Causing Autosomal-dominant Amelogenesis Imperfecta. Journal of Dental Research, 2013, 92, 899-904.	2.5	60
69	FAM20A Mutations Can Cause Enamel-Renal Syndrome (ERS). PLoS Genetics, 2013, 9, e1003302.	1.5	74
70	Bodyweight Assessment of Enamelin Null Mice. BioMed Research International, 2013, 2013, 1-8.	0.9	2
71	Novel KLK4 and MMP20 Mutations Discovered by Whole-exome Sequencing. Journal of Dental Research, 2013, 92, 266-271.	2.5	47
72	Kallikrein-Related Peptidase 4. , 2013, , 2768-2772.		0

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73	Structural Changes in Amelogenin upon Self-assembly and Mineral Interactions. Journal of Dental Research, 2012, 91, 967-972.	2.5	56
74	A post-classical theory of enamel biomineralizationâ€¦ and why we need one. International Journal of Oral Science, 2012, 4, 129-134.	3.6	92
75	Cryo-TEM Study on Hierarchical Self-assembly of Amelogenin and Regulation of Biomineralization at the Nanoscale. Microscopy and Microanalysis, 2012, 18, 1588-1589.	0.2	0
76	Novel PAX9 and COL1A2 Missense Mutations Causing Tooth Agenesis and OI/DGI without Skeletal Abnormalities. PLoS ONE, 2012, 7, e51533.	1.1	21
77	Amelogenesis Imperfecta in Two Families with Defined AMELX Deletions in ARHGAP6. PLoS ONE, 2012, 7, e52052.	1.1	30
78	The Non-Amelogenins: Ameloblastin and Enamelin. , 2012, , 42-55.		1
79	11 Role of KLK4 in Dental Enamel Formation. , 2012, , 295-310.		0
80	MMP20 Cleaves E-Cadherin and Influences Ameloblast Development. Cells Tissues Organs, 2011, 194, 222-226.	1.3	23
81	Effects of phosphorylation on the self-assembly of native full-length porcine amelogenin and its regulation of calcium phosphate formation in vitro. Journal of Structural Biology, 2011, 173, 250-260.	1.3	70
82	Relationships between protein and mineral during enamel development in normal and genetically altered mice. European Journal of Oral Sciences, 2011, 119, 125-135.	0.7	37
83	Expression of kallikreinâ€related peptidase 4 in dental and nonâ€dental tissues. European Journal of Oral Sciences, 2011, 119, 226-233.	0.7	27
84	Target gene analyses of 39 amelogenesis imperfecta kindreds. European Journal of Oral Sciences, 2011, 119, 311-323.	0.7	69
85	Kallikreinâ€related peptidase 4, matrix metalloproteinase 20, and the maturation of murine and porcine enamel. European Journal of Oral Sciences, 2011, 119, 217-225.	0.7	35
86	Cell proliferation and apoptosis in enamelin null mice. European Journal of Oral Sciences, 2011, 119, 329-337.	0.7	18
87	Characterization of kallikreinâ€related peptidase 4 glycosylations. European Journal of Oral Sciences, 2011, 119, 234-240.	0.7	13
88	Enamel proteins and proteases in Mmp20 and Klk4 null and doubleâ€null mice. European Journal of Oral Sciences, 2011, 119, 206-216.	0.7	57
89	Enamel malformations associated with a defined dentin sialophosphoprotein mutation in two families. European Journal of Oral Sciences, 2011, 119, 158-167.	0.7	24
90	Effect of phosphorylation on the interaction of calcium with leucineâ€rich amelogenin peptide. European Journal of Oral Sciences, 2011, 119, 97-102.	0.7	18

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91	Regulation of calcium phosphate formation by amelogenins under physiological conditions. European Journal of Oral Sciences, 2011, 119, 103-111.	0.7	26
92	Porcine dentin sialoprotein glycosylation and glycosaminoglycan attachments. BMC Biochemistry, 2011, 12, 6.	4.4	17
93	Astacin proteases cleave dentin sialophosphoprotein (Dspp) to generate dentin phosphoprotein (Dpp). Journal of Bone and Mineral Research, 2011, 26, 220-228.	3.1	66
94	Cryogenic Transmission Electron Microscopy Study of Amelogenin Self-Assembly at Different pH. Cells Tissues Organs, 2011, 194, 166-170.	1.3	15
95	Potential Role of the Amelogenin N-Terminus in the Regulation of Calcium Phosphate Formation in vitro. Cells Tissues Organs, 2011, 194, 188-193.	1.3	24
96	FAM83H Mutations Cause ADHCAI and Alter Intracellular Protein Localization. Journal of Dental Research, 2011, 90, 377-381.	2.5	39
97	Why Does Enamel in <i>Klk4</i>-Null Mice Break above the Dentino-Enamel Junction?. Cells Tissues Organs, 2011, 194, 211-215.	1.3	28
98	Effect of Kallikrein 4 Loss on Enamel Mineralization. Journal of Biological Chemistry, 2011, 286, 18149-18160.	1.6	54
99	Hierarchical self-assembly of amelogenin and the regulation of biomineralization at the nanoscale. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 14097-14102.	3.3	175
100	Leucine-rich Amelogenin Peptides Regulate Mineralization in vitro. Journal of Dental Research, 2011, 90, 1091-1097.	2.5	68
101	Cleavage Site Specificity of MMP-20 for Secretory-stage Ameloblastin. Journal of Dental Research, 2010, 89, 785-790.	2.5	54
102	Novel WDR72 Mutation and Cytoplasmic Localization. Journal of Dental Research, 2010, 89, 1378-1382.	2.5	33
103	Transgenic Rescue of Enamel Phenotype in Ambn Null Mice. Journal of Dental Research, 2010, 89, 1414-1420.	2.5	25
104	Altered Enamelin Phosphorylation Site Causes Amelogenesis Imperfecta. Journal of Dental Research, 2010, 89, 695-699.	2.5	46
105	Amelogenin-Collagen Interactions Regulate Calcium Phosphate Mineralization in Vitro. Journal of Biological Chemistry, 2010, 285, 19277-19287.	1.6	45
106	Regulation of Dental Enamel Shape and Hardness. Journal of Dental Research, 2010, 89, 1024-1038.	2.5	204
107	Amelogenin Nanoparticles in Suspension: Deviations from Spherical Shape and pH-Dependent Aggregation. Biomacromolecules, 2010, 11, 369-376.	2.6	31
108	Osteogenic Differentiation Capacity of Porcine Dental Follicle Progenitor Cells. Connective Tissue Research, 2010, 51, 197-207.	1.1	45

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109	Inhibitory effect of porcine amelogenins on spontaneous mineralization. , 2010, , 418-420.		1
110	Role of amelogenin self-assembly in protein-mediated dental enamel formation. , 2010, , 369-374.		0
111	Role of 20-kDa Amelogenin (P148) Phosphorylation in Calcium Phosphate Formation in Vitro. Journal of Biological Chemistry, 2009, 284, 18972-18979.	1.6	103
112	Hypomaturation Enamel Defects in Klk4 Knockout/LacZ Knockin Mice. Journal of Biological Chemistry, 2009, 284, 19110-19121.	1.6	131
113	Fam83h is Associated with Intracellular Vesicles and ADHCAI. Journal of Dental Research, 2009, 88, 991-996.	2.5	42
114	Identifying Promoter Elements Necessary for Enamelin Tissue-Specific Expression. Cells Tissues Organs, 2009, 189, 98-104.	1.3	8
115	Mmp-20 and Klk4 Cleavage Site Preferences for Amelogenin Sequences. Journal of Dental Research, 2009, 88, 823-828.	2.5	92
116	DPPI May Activate KLK4 during Enamel Formation. Journal of Dental Research, 2009, 88, 323-327.	2.5	27
117	Consequences for enamel development and mineralization resulting from loss of function of ameloblastin or enamelin. European Journal of Oral Sciences, 2009, 117, 485-497.	0.7	60
118	Mutational spectrum ofFAM83H: the C-terminal portion is required for tooth enamel calcification. Human Mutation, 2008, 29, E95-E99.	1.1	57
119	FAM83H Mutations in Families with Autosomal-Dominant Hypocalcified Amelogenesis Imperfecta. American Journal of Human Genetics, 2008, 82, 489-494.	2.6	169
120	Distal cis-regulatory elements are required for tissue-specific expression of enamelin (Enam). European Journal of Oral Sciences, 2008, 116, 113-123.	0.7	8
121	A Dentin Sialophosphoprotein Mutation That Partially Disrupts a Splice Acceptor Site Causes Type II Dentin Dysplasia. Journal of Endodontics, 2008, 34, 1470-1473.	1.4	29
122	Functions of KLK4 and MMP-20 in dental enamel formation. Biological Chemistry, 2008, 389, 695-700.	1.2	207
123	Porcine Dentin Sialophosphoprotein. Journal of Biological Chemistry, 2008, 283, 14835-14844.	1.6	39
124	Enamel Defects and Ameloblast-specific Expression in Enam Knock-out/lacZ Knock-in Mice. Journal of Biological Chemistry, 2008, 283, 10858-10871.	1.6	152
125	Premature Stop Codon inMMP20Causing Amelogenesis Imperfecta. Journal of Dental Research, 2008, 87, 56-59.	2.5	68
126	Overlapping DSPP Mutations Cause Dentin Dysplasia and Dentinogenesis Imperfecta. Journal of Dental Research, 2008, 87, 1108-1111.	2.5	81

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127	Hereditary Dentin Defects. Journal of Dental Research, 2007, 86, 392-399.	2.5	223
128	Enamel Formation and Amelogenesis Imperfecta. Cells Tissues Organs, 2007, 186, 78-85.	1.3	216
129	Splicing Determines the Glycosylation State of Ameloblastin. Journal of Dental Research, 2007, 86, 962-967.	2.5	32
130	Processing of Ameloblastin by MMP-20. Journal of Dental Research, 2007, 86, 153-157.	2.5	70
131	Evolution and Genetics of Teeth. Cells Tissues Organs, 2007, 186, 4-6.	1.3	4
132	pH triggered self-assembly of native and recombinant amelogenins under physiological pH and temperature in vitro. Journal of Structural Biology, 2007, 160, 57-69.	1.3	84
133	The nucleation and growth of calcium phosphate by amelogenin. Journal of Crystal Growth, 2007, 304, 407-415.	0.7	82
134	Establishment of porcine pulp-derived cell lines and expression of recombinant dentin sialoprotein and recombinant dentin matrix protein-1. European Journal of Oral Sciences, 2007, 115, 48-56.	0.7	14
135	Developmental biology and genetics of dental malformations. Orthodontics and Craniofacial Research, 2007, 10, 45-52.	1.2	86
136	Human Periodontal Fibroblast Response to Enamel Matrix Derivative, Amelogenin, and Platelet-Derived Growth Factor-BB. Journal of Periodontology, 2006, 77, 1242-1252.	1.7	51
137	MMP-20 Is Predominately a Tooth-Specific Enzyme with a Deep Catalytic Pocket that Hydrolyzes Type V Collagenâ€. Biochemistry, 2006, 45, 3863-3874.	1.2	39
138	Mutational analysis of candidate genes in 24 amelogenesis imperfecta families. European Journal of Oral Sciences, 2006, 114, 3-12.	0.7	78
139	Proteomic analysis of enamel matrix using a two-dimensional protein fractionation system. European Journal of Oral Sciences, 2006, 114, 266-271.	0.7	24
140	Porcine SPARC: isolation from dentin, cDNA sequence, and computer model. European Journal of Oral Sciences, 2006, 114, 78-85.	0.7	10
141	How do enamelysin and kallikrein 4 process the 32-kDa enamelin?. European Journal of Oral Sciences, 2006, 114, 45-51.	0.7	52
142	Porcine dentin matrix protein 1: gene structure, cDNA sequence, and expression in teeth. European Journal of Oral Sciences, 2006, 114, 33-41.	0.7	15
143	Co-operative mineralization and protein self-assembly in amelogenesis: silica mineralization and assembly of recombinant amelogenins in vitro. European Journal of Oral Sciences, 2006, 114, 297-303.	0.7	13
144	Dentin Sialophosphoprotein Is Processed by MMP-2 and MMP-20 in Vitro and in Vivo. Journal of Biological Chemistry, 2006, 281, 38235-38243.	1.6	113

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145	NovelMSX1Frameshift Causes Autosomal-dominant Oligodontia. Journal of Dental Research, 2006, 85, 267-271.	2.5	108
146	Origin, Splicing, and Expression of Rodent Amelogenin Exon 8. Journal of Dental Research, 2006, 85, 894-899.	2.5	26
147	Phenotypic Variation in Dentinogenesis Imperfecta/Dentin Dysplasia Linked to 4q21. Journal of Dental Research, 2006, 85, 329-333.	2.5	67
148	Mutational hot spot in the DSPP gene causing dentinogenesis imperfecta type II. Human Genetics, 2005, 116, 186-191.	1.8	106
149	Thermal denaturation of a recombinant mouse amelogenin: Circular dichroism and differential scanning calorimetric studies. Proteins: Structure, Function and Bioinformatics, 2005, 62, 461-469.	1.5	3
150	Porcine Dentin Sialoprotein Is a Proteoglycan with Glycosaminoglycan Chains Containing Chondroitin 6-Sulfate. Journal of Biological Chemistry, 2005, 280, 1552-1560.	1.6	66
151	Dentin Glycoprotein. Journal of Biological Chemistry, 2005, 280, 17472-17479.	1.6	104
152	Proteomics and Genetics of Dental Enamel. Cells Tissues Organs, 2005, 181, 219-231.	1.3	69
153	ENAM Mutations in Autosomal-dominant Amelogenesis Imperfecta. Journal of Dental Research, 2005, 84, 278-282.	2.5	111
154	Porcine Amelogenin is Expressed from the X and Y Chromosomes. Journal of Dental Research, 2005, 84, 144-148.	2.5	12
155	Amelogenin Stimulates Bone Sialoprotein (BSP) Expression Through Fibroblast Growth Factor 2 Response Element and Transforming Growth Factor-Î²1 Activation Element in the Promoter of the BSP Gene. Journal of Periodontology, 2005, 76, 1482-1489.	1.7	41
156	The effect of recombinant mouse amelogenins on the formation and organization of hydroxyapatite crystals in vitro. Journal of Structural Biology, 2005, 149, 182-190.	1.3	188
157	The onset of amelogenin nanosphere aggregation studied by small-angle X-ray scattering and dynamic light scattering. Journal of Structural Biology, 2005, 151, 239-249.	1.3	58
158	Amelogenin p.M1T and p.W4S Mutations Underlying Hypoplastic X-linked Amelogenesis Imperfecta. Journal of Dental Research, 2004, 83, 378-383.	2.5	89
159	Kallikrein 4 Is a Secreted Protein. Cancer Research, 2004, 64, 8481-8483.	0.4	13
160	A novel splice acceptor mutation in the DSPP gene causing dentinogenesis imperfecta type II. Human Genetics, 2004, 115, 248-54.	1.8	98
161	Characterization of porcine dentin sialoprotein (DSP) and dentin sialophosphoprotein (DSPP) cDNA clones. European Journal of Oral Sciences, 2003, 111, 60-67.	0.7	35
162	Enamelysin (Matrix Metalloproteinase 20)-deficient Mice Display an Amelogenesis Imperfecta Phenotype. Journal of Biological Chemistry, 2002, 277, 49598-49604.	1.6	228

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163	Odontoblasts Enhance the Maturation of Enamel Crystals by Secreting EMSP1 at the Enamel-Dentin Junction. Journal of Dental Research, 2002, 81, 668-672.	2.5	24
164	Amelogenin is a Cell Adhesion Protein. Journal of Dental Research, 2002, 81, 497-500.	2.5	119
165	A nonsense mutation in the enamelin gene causes local hypoplastic autosomal dominant amelogenesis imperfecta (AIH2). Human Molecular Genetics, 2002, 11, 1069-1074.	1.4	113
166	Expression, Structure, and Function of Enamel Proteinases. Connective Tissue Research, 2002, 43, 441-449.	1.1	210
167	Porcine N -Acetylgalactosamine 6-Sulfatase (GALNS) cDNA Sequence and Expression in Developing Teeth. Connective Tissue Research, 2002, 43, 167-175.	1.1	11
168	A nomenclature for X-linked amelogenesis imperfecta. Archives of Oral Biology, 2002, 47, 255-260.	0.8	74
169	Conservation and variation in enamel protein distribution during vertebrate tooth development. The Journal of Experimental Zoology, 2002, 294, 91-106.	1.4	35
170	Enamelysin and kallikrein-4 mRNA expression in developing mouse molars. European Journal of Oral Sciences, 2002, 110, 307-315.	0.7	121
171	Porcine kallikrein-4 activation, glycosylation, activity, and expression in prokaryotic and eukaryotic hosts. European Journal of Oral Sciences, 2002, 110, 358-365.	0.7	89
172	Expression, Structure, and Function of Enamel Proteinases. Connective Tissue Research, 2002, 43, 441-449.	1.1	92
173	Porcine N -Acetylgalactosamine 6-Sulfatase (GALNS) cDNA Sequence and Expression in Developing Teeth. Connective Tissue Research, 2002, 43, 167-175.	1.1	0
174	Dental Enamel Formation and Its Impact on Clinical Dentistry. Journal of Dental Education, 2001, 65, 896-905.	0.7	132
175	A comparison of enamelin and amelogenin expression in developing mouse molars. European Journal of Oral Sciences, 2001, 109, 125-132.	0.7	84
176	Calcium binding of enamel proteins and their derivatives with emphasis on the calcium-binding domain of porcine sheathlin. Archives of Oral Biology, 2001, 46, 1005-1014.	0.8	58
177	Cloning and Characterization of the Mouse and Human Enamelin Genes. Journal of Dental Research, 2001, 80, 898-902.	2.5	43
178	Gelatinase A (MMP-2) in Developing Tooth Tissues and Amelogenin Hydrolysis. Journal of Dental Research, 2001, 80, 1660-1664.	2.5	39
179	Characterization of a family with dominant hypophosphatasia. European Journal of Oral Sciences, 2000, 108, 189-194.	0.7	74
180	Mass Spectrometry of Native Rat Amelogenins: Primary Transcripts, Secretory Isoforms, and C-terminal Degradation. Journal of Dental Research, 2000, 79, 840-849.	2.5	16

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181	Localization of EMSP1 Expression During Tooth Formation and Cloning of Mouse cDNA. Journal of Dental Research, 2000, 79, 70-76.	2.5	53
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