Sergio Roberto Peres Line

List of Publications by Year in descending order

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128 papers 3,769 citations

126708 33 h-index 56 g-index

130 all docs

130 docs citations

130 times ranked

4440 citing authors

#	Article	IF	CITATIONS
1	Mouse cartilage matrix deficiency (cmd) caused by a 7 bp deletion in the aggrecan gene. Nature Genetics, 1994, 7, 154-157.	9.4	242
2	A simple and cost-effective protocol for DNA isolation from buccal epithelial cells. Brazilian Dental Journal, 2007, 18, 148-152.	0.5	208
3	Polymorphism at position â^174 of IL-6 gene is associated with susceptibility to chronic periodontitis in a Caucasian Brazilian population. Journal of Clinical Periodontology, 2003, 30, 438-442.	2.3	124
4	Inhibition of human gingival gelatinases (MMP-2 and MMP-9) by metal salts. Dental Materials, 2000, 16, 103-108.	1.6	122
5	Interleukin 10 gene promoter polymorphisms are associated with chronic periodontitis. Journal of Clinical Periodontology, 2004, 31, 443-448.	2.3	111
6	A murine nephritogenic monoclonal anti-DNA autoantibody binds directly to mouse laminin, the major non-collagenous protein component of the glomerular basement membrane. European Journal of Immunology, 1989, 19, 137-143.	1.6	105
7	Analysis of magnetic resonance imaging characteristics and pain in temporomandibular joints with and without degenerative changes of the condyle. International Journal of Oral and Maxillofacial Surgery, 2008, 37, 529-534.	0.7	95
8	Estrogen Receptor-α Polymorphisms and Predisposition to TMJ Disorder. Journal of Pain, 2009, 10, 527-533.	0.7	94
9	Comparison of microtensile bond strength to enamel and dentin of human, bovine, and porcine teeth. Journal of Adhesive Dentistry, 2004, 6, 117-21.	0.3	93
10	MMP-1 promoter polymorphism: association with chronic periodontitis severity in a Brazilian population. Journal of Clinical Periodontology, 2003, 30, 154-158.	2.3	90
11	Structural Analysis of Bovine Root Dentin after Use of Different Endodontics Auxiliary Chemical Substances. Journal of Endodontics, 2009, 35, 1023-1027.	1.4	87
12	Investigation of an IL-2 polymorphism in patients with different levels of chronic periodontitis. Journal of Clinical Periodontology, 2002, 29, 587-591.	2.3	78
13	DNA methylation status of the <i>lL8</i> gene promoter in oral cells of smokers and nonâ€smokers with chronic periodontitis. Journal of Clinical Periodontology, 2009, 36, 719-725.	2.3	72
14	Absence of mutations in the homeodomain of the MSX1 gene in patients with hypodontia. American Journal of Medical Genetics Part A, 2000, 92, 346-349.	2.4	66
15	Variation of tooth number in mammalian dentition: connecting genetics, development, and evolution. Evolution & Development, 2003, 5, 295-304.	1.1	65
16	Analysis of the MMP-9 (C-1562 T) and TIMP-2 (G-418C) gene promoter polymorphisms in patients with chronic periodontitis. Journal of Clinical Periodontology, 2005, 32, 207-211.	2.3	60
17	Genetic polymorphisms in the MMP-1 and MMP-3 gene may contribute to chronic periodontitis in a Brazilian population. Journal of Clinical Periodontology, 2006, 33, 699-703.	2.3	60
18	Association of polymorphisms in the carbonic anhydrase 6 gene with salivary buffer capacity, dental plaque pH, and caries index in children aged 7–9 years. Pharmacogenomics Journal, 2010, 10, 114-119.	0.9	59

#	Article	IF	Citations
19	DNA Methylation Status of the <i>IL8</i> Gene Promoter in Aggressive Periodontitis. Journal of Periodontology, 2010, 81, 1336-1341.	1.7	57
20	Association of IL1 gene polymorphisms with chronic periodontitis in Brazilians. Archives of Oral Biology, 2011, 56, 54-62.	0.8	55
21	Interleukinâ€8 Gene Promoter Polymorphism (rs4073) May Contribute to Chronic Periodontitis. Journal of Periodontology, 2011, 82, 893-899.	1.7	53
22	Investigation of IL4 gene polymorphism in individuals with different levels of chronic periodontitis in a Brazilian population. Journal of Clinical Periodontology, 2003, 30, 341-345.	2.3	50
23	<i>TLR2</i> and <i>TLR4</i> gene promoter methylation status during chronic periodontitis. Journal of Clinical Periodontology, 2011, 38, 975-983.	2.3	50
24	G-quadruplex formation enhances splicing efficiency of PAX9 intron 1. Human Genetics, 2015, 134, 37-44.	1.8	50
25	Effect of lead on dental enamel formation. Toxicology, 2002, 175, 27-34.	2.0	47
26	BASEMENT MEMBRANE ASSOCIATED CHANGES IN THE RAT VENTRAL PROSTATE FOLLOWING CASTRATION. Cell Biology International, 1996, 20, 809-819.	1.4	45
27	Inhibition of human pulpal gelatinases (MMP-2 and MMP-9) by zinc oxide cements. Journal of Oral Rehabilitation, 2004, 31, 660-664.	1.3	45
28	Bisphosphonates: Pharmacokinetics, bioavailability, mechanisms of action, clinical applications in children, and effects on tooth development. Environmental Toxicology and Pharmacology, 2016, 42, 212-217.	2.0	45
29	Clinical, genetic and microbiological findings in a Brazilian family with aggressive periodontitis. Journal of Clinical Periodontology, 2002, 29, 233-239.	2.3	39
30	Prenatal and neonatal variables associated with enamel hypoplasia in deciduous teeth in low birth weight preterm infants. Journal of Applied Oral Science, 2007, 15, 518-523.	0.7	39
31	Porphyromonas gingivalis LPS stimulation downregulates DNMT1, DNMT3a, and JMJD3 gene expression levels in human HaCaT keratinocytes. Clinical Oral Investigations, 2013, 17, 1279-1285.	1.4	39
32	Association between PAX-9 promoter polymorphisms and hypodontia in humans. Archives of Oral Biology, 2005, 50, 861-871.	0.8	38
33	Evaluation of the relationship between interleukin-1 gene cluster polymorphisms and early implant failure in non-smoking patients. Clinical Oral Implants Research, 2005, 16, 194-201.	1.9	37
34	DNA Gâ€quadruplex stability, position and chromatin accessibility are associated with CpG island methylation. FEBS Journal, 2020, 287, 483-495.	2.2	37
35	The identification of peptides by nanoLC-MS/MS from human surface tooth enamel following a simple acid etch extraction. RSC Advances, 2016, 6, 61673-61679.	1.7	36
36	Effect of lead, cadmium and zinc on the activity of enamel matrix proteinases in vitro. European Journal of Oral Sciences, 2000, 108, 327-334.	0.7	33

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37	Analysis of the TGF- \hat{l}^2 1 promoter polymorphism (Câ^'509T) in patients with chronic periodontitis. Journal of Clinical Periodontology, 2003, 30, 519-523.	2.3	33
38	Interleukin-2 and Interleukin-6 Gene Promoter Polymorphisms, and Early Failure of Dental Implants. Implant Dentistry, 2005, 14, 391-398.	1.7	33
39	Association of matrix metalloproteinase gene polymorphism with temporomandibular joint degeneration. European Journal of Oral Sciences, 2011, 119, 1-6.	0.7	33
40	Relationship among Salivary Carbonic Anhydrase VI Activity and Flow Rate, Biofilm pH and Caries in Primary Dentition. Caries Research, 2012, 46, 194-200.	0.9	33
41	Inhibition of human gelatinases by metals released from dental amalgam. Biomaterials, 2001, 22, 2025-2030.	5.7	32
42	Clinical and microbiological evaluation of ligature-induced peri-implantitis and periodontitis in dogs. Clinical Oral Implants Research, 2001, 12, 295-300.	1.9	32
43	Early Failure of Dental Implants and TNF-?? (G-308A) Gene Polymorphism. Implant Dentistry, 2004, 13, 95-101.	1.7	32
44	Structural Analysis of Enamel in Teeth from Head-and-Neck Cancer Patients Who Underwent Radiotherapy. Caries Research, 2017, 51, 119-128.	0.9	32
45	2â€Hydroxyethyl methacrylate as an inhibitor of matrix metalloproteinaseâ€2. European Journal of Oral Sciences, 2009, 117, 64-67.	0.7	30
46	Extraction of genomic DNA from paraffin-embedded tissue sections of human fetuses fixed and stored in formalin for long periods. Pathology Research and Practice, 2008, 204, 633-636.	1.0	28
47	High-throughput DNA analysis shows the importance of methylation in the control of immune inflammatory gene transcription in chronic periodontitis. Clinical Epigenetics, 2014, 6, 15.	1.8	28
48	Molecular Morphogenetic Fields in the Development of Human Dentition. Journal of Theoretical Biology, 2001, 211, 67-75.	0.8	27
49	Evaluation of Gelatinases, Tissue Inhibitor of Matrix Metalloproteinase-2, and Myeloperoxidase Protein in Healthy and Inflamed Human Dental Pulp Tissue. Journal of Endodontics, 2013, 39, 879-882.	1.4	27
50	Addition of zinc methacrylate in dental polymers: MMP-2 inhibition and ultimate tensile strength evaluation. Clinical Oral Investigations, 2012, 16, 531-536.	1.4	25
51	Genetic analysis of the IL8 gene polymorphism (rs4073) in generalized aggressive periodontitis. Archives of Oral Biology, 2013, 58, 211-217.	0.8	25
52	A new locus for autosomal dominant amelogenesis imperfecta on chromosome 8q24.3. Human Genetics, 2006, 120, 653-662.	1.8	24
53	Effect of Genetic Polymorphisms in <i>CA6</i> Gene on the Expression and Catalytic Activity of Human Salivary Carbonic Anhydrase VI. Caries Research, 2013, 47, 414-420.	0.9	24
54	Analysis of MMP-1 and MMP-9 promoter polymorphisms in early osseointegrated implant failure. International Journal of Oral and Maxillofacial Implants, 2004, 19, 38-43.	0.6	24

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55	Fluoride effect on the activity of enamel matrix proteinases in vitro. European Journal of Oral Sciences, 2000, 108, 48-53.	0.7	23
56	Pre-neoplastic epigenetic disruption of transcriptional enhancers in chronic inflammation. Oncotarget, 2016, 7, 15772-15786.	0.8	23
57	The effect of lead on the eruption rates of incisor teeth in rats. Archives of Oral Biology, 2000, 45, 951-955.	0.8	21
58	Frequencies of the -330 (TÂâ†'ÂG) IL-2 and -590 (TÂâ†'ÂC) IL-4 gene polymorphisms in a population from south-eastern Brazil. International Journal of Immunogenetics, 2002, 29, 293-296.	1.2	21
59	Exclusion of known gene for enamel development in two Brazilian families with amelogenesis imperfecta. Head & Face Medicine, 2007, 3, 8.	0.8	21
60	Automated biometrics-based personal identification of the Hunter–Schreger bands of dental enamel. Proceedings of the Royal Society B: Biological Sciences, 2006, 273, 1155-1158.	1.2	20
61	The genetics of amelogenesis imperfecta: a review of the literature. Journal of Applied Oral Science, 2005, 13, 212-217.	0.7	20
62	Characterization of the promoter for the rat and human link protein gene. Nucleic Acids Research, 1991, 19, 1933-1939.	6.5	19
63	Association between polymorphism in the promoter region (G/C-915) of PAX9 gene and third molar agenesis. Journal of Applied Oral Science, 2007, 15, 382-386.	0.7	18
64	Analysis of the Contribution of Nonresident Progenitor Cells and Hematopoietic Cells to Reparative Dentinogenesis Using Parabiosis Model in Mice. Journal of Endodontics, 2012, 38, 1214-1219.	1.4	18
65	Diversity of collagen expression in the pleomorphic adenoma of the parotid gland. Virchows Archiv A, Pathological Anatomy and Histopathology, 1989, 414, 477-483.	1.4	17
66	Enamel structure of paleocene mammals of the São José de ItaboraÃ-basin, Brazil. â€~Condylarthra', Litopterna, Notoungulata, Xenungulata, and Astrapotheria. Journal of Vertebrate Paleontology, 2005, 25, 924-928.	0.4	17
67	Enamel mineralization in the absence of maturation stage ameloblasts. Archives of Oral Biology, 2009, 54, 313-321.	0.8	17
68	In situ study of the gelatinase activity in demineralized dentin from rat molar teeth. Acta Histochemica, 2013, 115, 245-251.	0.9	16
69	<i>MTHFR</i> rs2274976 polymorphism is a risk marker for nonsyndromic cleft lip with or without cleft palate in the Brazilian population. Birth Defects Research Part A: Clinical and Molecular Teratology, 2014, 100, 30-35.	1.6	16
70	Children with a Higher Activity of Carbonic Anhydrase VI in Saliva Are More Likely to Develop Dental Caries. Caries Research, 2017, 51, 394-401.	0.9	16
71	Analysis of the Transforming Growth Factor- \hat{l}^21 Gene Promoter Polymorphisms in Early Osseointegrated Implant Failure. Implant Dentistry, 2004, 13, 262-269.	1.7	15
72	Anisotropic properties of the enamel organic extracellular matrix. European Journal of Oral Sciences, 2006, 114, 333-337.	0.7	15

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73	Alveolar bone remodelling pattern of the rat incisor under different functional conditions as shown by minocycline administration. Archives of Oral Biology, 2002, 47, 203-209.	0.8	14
74	Amelogenin- and Enamelysin (Mmp-20)-Deficient Mice Display Altered Birefringence in the Secretory-Stage Enamel Organic Extracellular Matrix. Connective Tissue Research, 2007, 48, 39-45.	1.1	14
75	Inhibition of human gelatinases (matrix metalloproteinase-2 and matrix metalloproteinase-9) activity by zinc oxide: a possible mechanism to enhance wound healing British Journal of Dermatology, 2001, 145, 854-855.	1.4	13
76	Effects of Reducing Agents on Birefringence Dentin Collagen after Use of Different Endodontic Auxiliary Chemical Substances. Journal of Endodontics, 2011, 37, 1406-1411.	1.4	13
77	A feasibility study for the analysis of reparative dentinogenesis in pOBCol3.6GFPtpz transgenic mice. International Endodontic Journal, 2012, 45, 907-914.	2.3	12
78	Laminin and collagen IV distribution and ultrastructure of the basement membrane of the gingiva of the rat incisor. Journal of Periodontal Research, 1995, 30, 349-354.	1.4	11
79	Comparison of three methods for enamel protein extraction in different developmental phases of rat lower incisors. European Journal of Oral Sciences, 2006, 114, 272-275.	0.7	11
80	Incremental markings of enamel in ectothermal vertebrates. Archives of Oral Biology, 2000, 45, 363-368.	0.8	10
81	Analysis of MMP-9 and TIMP-2 gene promoter polymorphisms in individuals with hypodontia. Brazilian Dental Journal, 2005, 16, 231-236.	0.5	10
82	Ancient enamel peptides recovered from the South American Pleistocene species Notiomastodon platensis and Myocastor cf. coypus. Journal of Proteomics, 2021, 240, 104187.	1.2	10
83	A comparative analysis of the structure of the dentinoenamel junction in mammals Journal of Oral Science, 2001, 43, 277-281.	0.7	9
84	Immunochemical analysis of laminin in duct-ligated submandibular glands of rats. Journal of Oral Pathology and Medicine, 1997, 26, 451-453.	1.4	8
85	Inhibition of the activity of matrix metalloproteinase 2 by triethylene glycol dimethacrylate. Clinical Oral Investigations, 2011, 15, 643-648.	1.4	8
86	Short-term PTH administration increases dentine apposition and microhardness in mice. Archives of Oral Biology, 2012, 57, 1313-1319.	0.8	8
87	Novel mutations in the IRF6 gene in Brazilian families with Van der Woude syndrome. International Journal of Molecular Medicine, 2008, 22, 507-11.	1.8	8
88	The Role of Modularity in the Evolution of Primate Postcanine Dental Formula: Integrating Jaw Space With Patterns of Dentition. Anatomical Record, 2013, 296, 622-629.	0.8	7
89	Parathyroid Hormone (1-34) Modulates Odontoblast Proliferation and Apoptosis via PKA and PKC-Dependent Pathways. Calcified Tissue International, 2014, 95, 275-281.	1,5	7
90	Expression of collagen and elastic fibers in duct-ligated submandibular glands of mice. European Journal of Oral Sciences, 1996, 104, 627-629.	0.7	6

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91	Molecular strategies in the evolution of mammalian dental patterning. Evolutionary Ecology, 2001, 15, 73-79.	0.5	6
92	Expression and Activity of Matrix Metalloproteinase-2 (MMP-2) in the development of rat first molar tooth germ. Brazilian Dental Journal, 2002, 13, 97-102.	0.5	6
93	Birefringence of the Secretory-Stage Enamel Organic Extracellular Matrix from Rats Submitted to Successive Injections of Bisphosphonates. Connective Tissue Research, 2010, 51, 208-215.	1.1	6
94	Translational signatures and mRNA levels are highly correlated in human stably expressed genes. BMC Genomics, 2013, 14, 268.	1.2	6
95	Evaluation of the effects of transient or continuous PTH administration to odontoblast-like cells. Archives of Oral Biology, 2013, 58, 638-645.	0.8	6
96	Interactions between superoxide dismutase and paraoxonase polymorphic variants in nonsyndromic cleft lip with or without cleft palate in the Brazilian population. Environmental and Molecular Mutagenesis, 2019, 60, 185-196.	0.9	6
97	A note on the histochemical and morphological characterization of the asbestoid degeneration of cartilage. Histochemistry, 1988, 88, 411-413.	1.9	5
98	Use of TCA as a decalcifying agent for laminin immunohistochemistry. Calcified Tissue International, 1995, 57, 306-306.	1.5	5
99	Immunochemical characterization and distribution of laminin in the rat tongue. Acta Histochemica, 1995, 97, 307-312.	0.9	5
100	HaCaT anchorage blockade leads to oxidative stress, DNA damage and DNA methylation changes. Biochemistry and Biophysics Reports, 2015, 2, 94-102.	0.7	5
101	Suggestive Associations Between Polymorphisms in PAX9, MSX1 Genes and Third Molar Agenesis in Humans. Current Genomics, 2006, 7, 191-196.	0.7	4
102	Histologic and histomorphometric analysis of posterior region of the human temporomandibular disc. Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics, 2008, 105, e6-e11.	1.6	4
103	Transcriptional activity analysis of promoter region of human ⟨i⟩PAX9⟨/i⟩ gene under dexamethasone, retinoic acid, and ergocalciferol treatment in MCFâ€₹ and MDPC23. Cell Biochemistry and Function, 2010, 28, 555-564.	1.4	4
104	Current use of effect size or confidence interval analyses in clinical and biomedical research. Scientometrics, 2021, 126, 9133-9145.	1.6	4
105	MOLECULAR BIOLOGY OF CARTILAGE MATRIX. , 1993, , 539-555.		4
106	HIV prevalence in dental outpatients in Brazil. Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics, 1997, 84, 365-367.	1.6	3
107	Novel mutations in the IRF6 gene in Brazilian families with Van der Woude syndrome. International Journal of Molecular Medicine, 1998, 22, 507.	1.8	3
108	Transcriptional analysis of the human PAX9 promoter. Journal of Applied Oral Science, 2010, 18, 482-486.	0.7	3

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109	Ionizing radiation effects on the secretory-stage ameloblasts and enamel organic extracellular matrix. Radiation and Environmental Biophysics, 2014, 53, 589-598.	0.6	3
110	Optimizing the analysis of dental enamel microstructure in intact teeth. Microscopy Research and Technique, 2017, 80, 693-696.	1.2	3
111	Type 1 diabetes mellitus effects on dental enamel formation revealed by microscopy and microanalysis. Journal of Oral Pathology and Medicine, 2018, 47, 306-313.	1.4	3
112	Immunohistochemical and biochemical analysis of laminin in neonatal rat first molars The Journal of Nihon University School of Dentistry, 1997, 39, 176-181.	0.1	2
113	Digital enhancement of dental enamel microstructure images from intact teeth. Microscopy Research and Technique, 2018, 81, 1036-1041.	1.2	2
114	Large scale statistical analysis of genome data with Ruby and R: skipping interface libraries. EMBnet Journal, 2014, 20, .	0.2	2
115	Absence of association between transforming growth factor-beta1 promoter polymorphisms and hypodontia. Angle Orthodontist, 2004, 74, 665-71.	1.1	2
116	The use of tissue conditioner or zinc oxide and eugenol impression paste in the excision of epulis fissurata The Journal of Nihon University School of Dentistry, 1987, 29, 87-92.	0.1	1
117	Pulpal lesions in normal and cyclosporin A treated rats. Journal of Endodontics, 1997, 23, 52-53.	1.4	1
118	Immunochemical analysis of laminin during postnatal development of the rat submandibular gland. Acta Histochemica, 1999, 101, 185-191.	0.9	1
119	Letter to the editor. Journal of Biomedical Materials Research Part B, 2000, 51, 540-540.	3.0	1
120	Fluoride effect on the secretory-stage enamel organic extracellular matrix of mice. Connective Tissue Research, 2011, 52, 212-217.	1.1	1
121	Effects of Pamidronate on Dental Enamel Formation Assessed by Light Microscopy, Energy-Dispersive X-Ray Analysis, Scanning Electron Microscopy, and Microhardness Testing. Microscopy and Microanalysis, 2016, 22, 640-648.	0.2	1
122	Folding Stability of Pax9 Intronic G-Quadruplex Correlates with Relative Molar Size in Eutherians. Molecular Biology and Evolution, 2021, 38, 1860-1873.	3.5	1
123	Purification of the Neurite Outgrowth Promoting Fragment of Mouse Laminin. Preparative Biochemistry and Biotechnology, 1992, 22, 229-237.	0.4	0
124	Letter to the editor. Community Dentistry and Oral Epidemiology, 1994, 22, 467-467.	0.9	0
125	A study in situ of the effect of metallo- and serine proteinase inhibitors on the birefringence of the secretory stage enamel organic extracellular matrix. Biotechnic and Histochemistry, 2011, 86, 108-114.	0.7	0
126	Estimating the Influence of Physicochemical and Biochemical Property Indexes on Selection for Amino Acids Usage in Eukaryotic Cells. Journal of Molecular Evolution, 2021, 89, 257-268.	0.8	0

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127	Análise bioquÃmica das metaloproteases da matriz extracelular durante atrofia experimental das glândulas salivares submandibulares em ratos. Revista De Odontologia Da Universidade De Sao Paulo, 1999, 13, 135-139.	0.0	O
128	Desenvolvimento de modelo de predi \tilde{A} S \tilde{A} £o da propor \tilde{A} S \tilde{A} £o de molares em herb \tilde{A} voros: influ \tilde{A} ancia de medidas maxilares no tamanho dos dentes molares. , 0, , .		0