Shinya Murakami

List of Publications by Year
in descending order

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Version: 2024-02-01

103 papers	4,068 citations	126708 33 h-index	133063 59 g-index
105 all docs	105 docs citations	105 times ranked	4781 citing authors

#	Article	IF	Citations
1	Reciprocal role of PLAPâ€1 in HIFâ€1Î±â€mediated responses to hypoxia. Journal of Periodontal Research, 2022, 57, 470-478.	1.4	3
2	Predictive factors for tooth loss in older adults vary according to occlusal support: A 6-year longitudinal survey from the SONIC study. Journal of Dentistry, 2022, 121, 104088.	1.7	2
3	Periodontal tissue regeneration by transplantation of autologous adipose tissue-derived multi-lineage progenitor cells. Scientific Reports, 2022, 12, 8126.	1.6	7
4	Periodontal tissue stem cells and mesenchymal stem cells in the periodontal ligament. Japanese Dental Science Review, 2022, 58, 172-178.	2.0	13
5	Association of periodontal disease with atherosclerosis in 70-year-old Japanese older adults. Odontology / the Society of the Nippon Dental University, 2021, 109, 506-513.	0.9	1
6	Will implants with a fixed dental prosthesis in the molar region enhance the longevity of teeth adjacent to distal freeâ€end edentulous spaces?. Clinical Oral Implants Research, 2021, 32, 242-248.	1.9	6
7	Nanoscale observation of PM2.5 incorporated into mammalian cells using scanning electron-assisted dielectric microscope. Scientific Reports, 2021, 11, 228.	1.6	8
8	Autophagy facilitates type I collagen synthesis in periodontal ligament cells. Scientific Reports, 2021, 11, 1291.	1.6	14
9	Effects of oxidative stressâ€induced increases in Zn 2+ concentrations in human gingival epithelial cells. Journal of Periodontal Research, 2021, 56, 512-522.	1.4	0
10	Expression of asporin reprograms cancer cells to acquire resistance to oxidative stress. Cancer Science, 2021, 112, 1251-1261.	1.7	16
11	Mice lacking PLAP-1/asporin counteracts high fat diet-induced metabolic disorder and alveolar bone loss by controlling adipose tissue expansion. Scientific Reports, 2021, 11, 4970.	1.6	12
12	Zbp1-positive cells are osteogenic progenitors in periodontal ligament. Scientific Reports, 2021, 11, 7514.	1.6	9
13	The effect of aging on the nanostructure of murine alveolar bone and dentin. Journal of Bone and Mineral Metabolism, 2021, 39, 757-768.	1.3	2
14	Porphyromonas gingivalis induces entero-hepatic metabolic derangements with alteration of gut microbiota in a type 2 diabetes mouse model. Scientific Reports, 2021, 11, 18398.	1.6	19
15	A cross-sectional study of relationships between periodontal disease and general health: The Hitachi Oral Healthcare Survey. BMC Oral Health, 2021, 21, 644.	0.8	6
16	Occlusal force predicted cognitive decline among 70- and 80-year-old Japanese: A 3-year prospective cohort study. Journal of Prosthodontic Research, 2020, 64, 175-181.	1.1	14
17	Efficacy of FGFâ€2 in Periodontal Regeneration in a Case of Severe Intrabony Defect and Furcation Involvement With 15â€Month Followâ€up. Clinical Advances in Periodontics, 2020, 11, 74-79.	0.4	6
18	Development of Oral Care Chip, a novel device for quantitative detection of the oral microbiota associated with periodontal disease. PLoS ONE, 2020, 15, e0229485.	1.1	11

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19	Osteoblastic lysosome plays a central role in mineralization. Science Advances, 2019, 5, eaax0672.	4.7	74
20	Periodontal Regeneration by Allogeneic Transplantation of Adipose Tissue Derived Multi-Lineage Progenitor Stem Cells in vivo. Scientific Reports, 2019, 9, 921.	1.6	40
21	Response to â€œGenetics of Periodontitis without Biasâ€. Journal of Periodontal Research, 2019, 54, 455-456.	1.4	0
22	Secure Staging System for Highly Confidential Data Built on Reconfigurable Computing Platform. , 2019, , .		0
23	Fibroblast growth factorâ€2 inhibits CD40â€mediated periodontal inflammation. Journal of Cellular Physiology, 2019, 234, 7149-7160.	2.0	15
24	Identification of genetic risk factors of aggressive periodontitis using genomewide association studies in association with those of chronic periodontitis. Journal of Periodontal Research, 2019, 54, 199-206.	1.4	24
25	Evaluation of Dental Image Augmentation for the Severity Assessment of Periodontal Disease. , 2019, , .		5
26	A MapReduce-like Deep Learning Model for the Depth Estimation of Periodontal Pockets. , 2019, , .		8
27	Fibrillin-1 insufficiency alters periodontal wound healing failure in a mouse model of Marfan syndrome. Archives of Oral Biology, 2018, 90, 53-60.	0.8	13
28	Influence of lack of posterior occlusal support on cognitive decline among 80â€yearâ€old Japanese people in a 3â€year prospective study. Geriatrics and Gerontology International, 2018, 18, 1439-1446.	0.7	23
29	Dental plaqueâ€“induced gingival conditions. Journal of Periodontology, 2018, 89, S17-S27.	1.7	176
30	Periodontal health and gingival diseases and conditions on an intact and a reduced periodontium: Consensus report of workgroup 1 of the 2017 World Workshop on the Classification of Periodontal and Periâ€Implant Diseases and Conditions. Journal of Periodontology, 2018, 89, S74-S84.	1.7	469
31	Occlusal force is correlated with cognitive function directly as well as indirectly via food intake in community-dwelling older Japanese: From the SONIC study. PLoS ONE, 2018, 13, e0190741.	1.1	45
32	Dental plaqueâ€“induced gingival conditions. Journal of Clinical Periodontology, 2018, 45, S17-S27.	2.3	133
33	Periodontal health and gingival diseases and conditions on an intact and a reduced periodontium: Consensus report of workgroup 1 of the 2017 World Workshop on the Classification of Periodontal and Periâ€Implant Diseases and Conditions. Journal of Clinical Periodontology, 2018, 45, S68-S77.	2.3	312
34	FGFâ€2 promotes initial osseointegration and enhances stability of implants with low primary stability. Clinical Oral Implants Research, 2017, 28, 291-297.	1.9	19
35	Prevalence and risk factors for peri-implant diseases in Japanese adult dental patients. Journal of Oral Science, 2017, 59, 1-11.	0.7	36
36	Useful Immunochromatographic Assay of Calprotectin in Gingival Crevicular Fluid for Diagnosis of Diseased Sites in Patients with Periodontal Diseases. Journal of Periodontology, 2017, 89, 1-19.	1.7	10

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37	Identification of genetic risk factors of aggressive periodontitis in a Japanese population by exome sequencing. Journal of Japanese Society of Periodontology, 2017, 59, 1-9.	0.1	0
38	Relationship between atherosclerosis and occlusal support of natural teeth with mediating effect of atheroprotective nutrients: From the SONIC study. PLoS ONE, 2017, 12, e0182563.	1.1	13
39	Transcriptome Reveals Cathepsin K in Periodontal Ligament Differentiation. Journal of Dental Research, 2016, 95, 1026-1033.	2.5	7
40	Human odontogenic epithelial cells derived from epithelial rests of Malassez possess stem cell properties. Laboratory Investigation, 2016, 96, 1063-1075.	1.7	31
41	Randomized Placebo-Controlled and Controlled Non-Inferiority Phase III Trials Comparing Trafermin, a Recombinant Human Fibroblast Growth Factor 2, and Enamel Matrix Derivative in Periodontal Regeneration in Intrabony Defects. Journal of Bone and Mineral Research, 2016, 31, 806-814.	3.1	96
42	Proinflammatory M1 Macrophages Inhibit RANKL-Induced Osteoclastogenesis. Infection and Immunity, 2016, 84, 2802-2812.	1.0	75
43	The nanostructure of murine alveolar bone and its changes due to type 2 diabetes. Journal of Structural Biology, 2016, 196, 223-231.	1.3	5
44	Metabolomic Analysis of Gingival Crevicular Fluid Using Gas Chromatography/Mass Spectrometry. Mass Spectrometry, 2016, 5, A0047-A0047.	0.2	23
45	High glucoseâ€induced oxidative stress increases <scp>IL</scp>â€8 production in human gingival epithelial cells. Oral Diseases, 2016, 22, 578-584.	1.5	23
46	The Effects of Cigarette Smoke Condensate and Nicotine on Periodontal Tissue in a Periodontitis Model Mouse. PLoS ONE, 2016, 11, e0155594.	1.1	34
47	Long-term Observation of Regenerated Periodontium Induced by FGF-2 in the Beagle Dog 2-Wall Periodontal Defect Model. PLoS ONE, 2016, 11, e0158485.	1.1	14
48	A Putative Association of a Single Nucleotide Polymorphism in GPR126 with Aggressive Periodontitis in a Japanese Population. PLoS ONE, 2016, 11, e0160765.	1.1	25
49	Effects of the proteasome inhibitor, bortezomib, on cytodifferentiation and mineralization of periodontal ligament cells. Journal of Periodontal Research, 2015, 50, 248-255.	1.4	13
50	TGF-Beta Negatively Regulates the BMP2-Dependent Early Commitment of Periodontal Ligament Cells into Hard Tissue Forming Cells. PLoS ONE, 2015, 10, e0125590.	1.1	25
51	Changes in the Distribution of Periodontal Nerve Fibers during Dentition Transition in the Cat. PLoS ONE, 2015, 10, e0129826.	1.1	12
52	Action Mechanism of Fibroblast Growth Factor-2 (FGF-2) in the Promotion of Periodontal Regeneration in Beagle Dogs. PLoS ONE, 2015, 10, e0131870.	1.1	57
53	Emerging Regenerative Approaches for Periodontal Reconstruction: Practical Applications From the AAP Regeneration Workshop. Clinical Advances in Periodontics, 2015, 5, 40-46.	0.4	20
54	Emerging Regenerative Approaches for Periodontal Reconstruction: A Consensus Report From the AAP Regeneration Workshop. Journal of Periodontology, 2015, 86, S153-6.	1.7	29

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55	Effects of an Ascorbic Acidâ€“Derivative Dentifrice in Patients With Gingivitis: A Doubleâ€Masked, Randomized, Controlled Clinical Trial. Journal of Periodontology, 2015, 86, 27-35.	1.7	25
56	Time-lapse Raman imaging of osteoblast differentiation. Scientific Reports, 2015, 5, 12529.	1.6	44
57	Trophic factors from adipose tissue-derived multi-lineage progenitor cells promote cytodifferentiation of periodontal ligament cells. Biochemical and Biophysical Research Communications, 2015, 464, 299-305.	1.0	22
58	Cyclic depsipeptides as potential cancer therapeutics. Anti-Cancer Drugs, 2015, 26, 259-271.	0.7	55
59	Examination of the Relationship between Oral Health and Arterial Sclerosis without Genetic Confounding through the Study of Older Japanese Twins. PLoS ONE, 2015, 10, e0127642.	1.1	5
60	Periodontal tissue regeneration by transplantation of adipose tissue-derived multi-lineage progenitor cells. Inflammation and Regeneration, 2014, 34, 109-116.	1.5	15
61	Significance of occlusal force for dietary fibre and vitamin intakes in independently living 70-year-old Japanese: from SONIC Study. Journal of Dentistry, 2014, 42, 556-564.	1.7	101
62	In situ Raman imaging of osteoblastic mineralization. Journal of Raman Spectroscopy, 2014, 45, 157-161.	1.2	13
63	Isolation and characterization of the human immature osteoblast culture system from the alveolar bones of aged donors for bone regeneration therapy. Expert Opinion on Biological Therapy, 2014, 14, 1731-1744.	1.4	15
64	Characterization of a Novel Periodontal Ligament-specific Periostin Isoform. Journal of Dental Research, 2014, 93, 891-897.	2.5	38
65	Dentistry in the 21st century: challenges of a globalising world. International Dental Journal, 2014, 64, 333-342.	1.0	17
66	Periodontal tissue regeneration by transplantation of adipose tissue-derived stem cells. Journal of Oral Biosciences, 2013, 55, 137-142.	0.8	6
67	Successful Case of Periodontal Tissue Repair With Fibroblast Growth Factorâ€2: Longâ€Term Followâ€Up and Comparison to Enamel Matrix Derivative. Clinical Advances in Periodontics, 2013, 3, 215-221.	0.4	7
68	Role of TGF-Î² signaling in the ossification process of periodontal ligament cells. Journal of Japanese Society of Periodontology, 2013, 55, 132-139.	0.1	0
69	Periodontal regeneration and FGF-2. Inflammation and Regeneration, 2013, 33, 072-077.	1.5	0
70	PLAP-1 polymorphism in periodontal ligament cell differentiation; Promising avenue for future periodontology. Journal of Japanese Society of Periodontology, 2013, 54, 252-256.	0.1	0
71	Immunomodulation of dendritic cells differentiated in the presence of nicotine with lipopolysaccharide from <scp>P</scp>orphyromonas gingivalis. European Journal of Oral Sciences, 2012, 120, 408-414.	0.7	16
72	Role of ferritin in the cytodifferentiation of periodontal ligament cells. Biochemical and Biophysical Research Communications, 2012, 426, 643-648.	1.0	13

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73	Nicotine modulates the immunological function of dendritic cells through peroxisome proliferator-activated receptor-Î³ upregulation. Cellular Immunology, 2012, 274, 26-33.	1.4	44
74	Nicotine up-regulates IL-8 expression in human gingival epithelial cells following stimulation with IL-1Î² or P. gingivalis lipopolysaccharide via nicotinic acetylcholine receptor signalling. Archives of Oral Biology, 2012, 57, 483-490.	0.8	29
75	CD73â€generated adenosine promotes osteoblast differentiation. Journal of Cellular Physiology, 2012, 227, 2622-2631.	2.0	95
76	Long-term Benefits of Regenerative Therapy Using FGF-2. Journal of Japanese Society of Periodontology, 2012, 54, 38-45.	0.1	2
77	Fibroblast Growth Factorâ€2 Stimulates Periodontal Tissue Regeneration. Clinical Advances in Periodontics, 2011, 1, 95-99.	0.4	5
78	Aggregatibacter actinomycetemcomitans Omp29 Is Associated with Bacterial Entry to Gingival Epithelial Cells by F-Actin Rearrangement. PLoS ONE, 2011, 6, e18287.	1.1	32
79	Periodontal tissue regeneration by signaling molecule(s): what role does basic fibroblast growth factor (FGFâ€2) have in periodontal therapy?. Periodontology 2000, 2011, 56, 188-208.	6.3	119
80	Periodontal disease in a patient with Prader-Willi syndrome: a case report. Journal of Medical Case Reports, 2011, 5, 329.	0.4	10
81	Fibroblast growth factorâ€2 stimulates directed migration of periodontal ligament cells via PI3K/AKT signaling and CD44/hyaluronan interaction. Journal of Cellular Physiology, 2011, 226, 809-821.	2.0	60
82	Role of Mechanical Stress-induced Glutamate Signaling-associated Molecules in Cytodifferentiation of Periodontal Ligament Cells*. Journal of Biological Chemistry, 2010, 285, 28286-28297.	1.6	35
83	Effects of concomitant use of fibroblast growth factor (FGF)-2 with beta-tricalcium phosphate (Î²-TCP) on the beagle dog 1-wall periodontal defect model. Biochemical and Biophysical Research Communications, 2010, 403, 345-350.	1.0	41
84	The use of biologic mediators and tissue engineering in dentistry. Periodontology 2000, 2009, 50, 127-153.	6.3	78
85	Nicotine can skew the characterization of the macrophage type-1 (MÎ¦1) phenotype differentiated with granulocyte-macrophage colony-stimulating factor to the MÎ¦2 phenotype. Biochemical and Biophysical Research Communications, 2009, 388, 91-95.	1.0	9
86	Fibroblast Growth Factorâ€“2 Regulates the Cell Function of Human Dental Pulp Cells. Journal of Endodontics, 2009, 35, 1529-1535.	1.4	68
87	Fibroblast growth factorâ€2 regulates expression of osteopontin in periodontal ligament cells. Journal of Cellular Physiology, 2008, 216, 640-650.	2.0	35
88	PLAP-1: A novel molecule regulating homeostasis of periodontal tissues. Japanese Dental Science Review, 2008, 44, 137-144.	2.0	10
89	Basic fibroblast growth factor regulates expression of heparan sulfate in human periodontal ligament cells. Matrix Biology, 2008, 27, 232-241.	1.5	22
90	Nicotine Inhibits Mineralization of Human Dental Pulp Cells. Journal of Endodontics, 2008, 34, 1061-1065.	1.4	31

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91	PLAP-1/asporin inhibits activation of BMP receptor via its leucine-rich repeat motif. Biochemical and Biophysical Research Communications, 2008, 371, 191-196.	1.0	55
92	Periodontal Tissue Regeneration Using Fibroblast Growth Factor -2: Randomized Controlled Phase II Clinical Trial. PLoS ONE, 2008, 3, e2611.	1.1	163
93	PLAP-1/Asporin, a Novel Negative Regulator of Periodontal Ligament Mineralization*. Journal of Biological Chemistry, 2007, 282, 23070-23080.	1.6	180
94	Thrombin regulates the function of human blood dendritic cells. Biochemical and Biophysical Research Communications, 2007, 364, 318-324.	1.0	21
95	Fibroblast growth factor-2 regulates the synthesis of hyaluronan by human periodontal ligament cells. Journal of Cellular Physiology, 2005, 203, 557-563.	2.0	62
96	Fibroblast Growth Factor-2 Stimulates Hyaluronan Production by Human Dental Pulp Cells. Journal of Endodontics, 2005, 31, 805-808.	1.4	21
97	Human Gingival Epithelial Cells Produce Chemotactic Factors Interleukin-8 and Monocyte Chemoattractant Protein-1 After Stimulation WithPorphyromonas gingivalisvia Toll-Like Receptor 2. Journal of Periodontology, 2004, 75, 370-379.	1.7	149
98	Activation of Adenosine-receptor-enhanced iNOS mRNA Expression by Gingival Epithelial Cells. Journal of Dental Research, 2002, 81, 236-240.	2.5	37
99	Effects of Basic Fibroblast Growth Factor on Human Gingival Epithelial Cells. Journal of Periodontology, 2002, 73, 1467-1473.	1.7	46
100	IL-15 up-regulates iNOS expression and NO production by gingival epithelial cells. Biochemical and Biophysical Research Communications, 2002, 297, 329-334.	1.0	20
101	Expression profile of active genes in human periodontal ligament and isolation of PLAP-1, a novel SLRP family gene. Gene, 2001, 275, 279-286.	1.0	80
102	A Sensitive Method for DetectingPorphyromonas gingivalisby Polymerase Chain Reaction and Its Possible Clinical Application. Journal of Periodontology, 2001, 72, 1228-1235.	1.7	17
103	Antigen-presenting-cell function of interferon gamma-treated human gingival fibroblasts. Journal of Periodontal Research, 1996, 31, 217-228.	1.4	42