Keith L Kirkwood

List of Publications by Year
in descending order

106	5,605	87723	85405
papers	citations	38 h-index	71 g-index

109	109	109	7274
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Low-Abundance Biofilm Species Orchestrates Inflammatory Periodontal Disease through the Commensal Microbiota and Complement. Cell Host and Microbe, 2011, 10, 497-506.	5.1	916
2	Periodontitis: Consensus report of workgroup 2 of the 2017 World Workshop on the Classification of Periodontal and Periâ€Implant Diseases and Conditions. Journal of Clinical Periodontology, 2018, 45, S162-S170.	2.3	673
3	Functional Cooperation between Interleukin-17 and Tumor Necrosis Factor-Î± Is Mediated by CCAAT/Enhancer-binding Protein Family Members. Journal of Biological Chemistry, 2004, 279, 2559-2567.	1.6	309
4	Novel host response therapeutic approaches to treat periodontal diseases. Periodontology 2000, 2007, 43, 294-315.	6.3	145
5	Interactions between extracellular signal-regulated kinase 1/2 and P38 Map kinase pathways in the control of RUNX2 phosphorylation and transcriptional activity. Journal of Bone and Mineral Research, 2012, 27, 538-551.	3.1	131
6	Potent anti-inflammatory effects of systemically administered curcumin modulate periodontal disease in vivo. Journal of Periodontal Research, 2011, 46, 269-279.	1.4	121
7	Cementoblasts Maintain Expression of Osteocalcin in the Presence of Mineral Trioxide Aggregate. Journal of Endodontics, 2003, 29, 407-412.	1.4	115
8	Actinobacillus actinomycetemcomitansLipopolysaccharide-Mediated Experimental Bone Loss Model for Aggressive Periodontitis. Journal of Periodontology, 2007, 78, 550-558.	1.7	110
9	Control of Cytokine mRNA Expression by RNA-binding Proteins and microRNAs. Journal of Dental Research, 2012, 91, 651-658.	2.5	99
10	Aggregatibacter actinomycetemcomitans, a potent immunoregulator of the periodontal host defense system and alveolar bone homeostasis. Molecular Oral Microbiology, 2016, 31, 207-227.	1.3	97
11	Curcumin abrogates LPS-induced pro-inflammatory cytokines in RAW 264.7 macrophages. Evidence for novel mechanisms involving SOCS-1, -3 and p38 MAPK. Archives of Oral Biology, 2013, 58, 1309-1317.	0.8	95
12	Tristetraprolin Regulates Interleukin-6 Expression Through p38 MAPK-Dependent Affinity Changes with mRNA 3â€² Untranslated Region. Journal of Interferon and Cytokine Research, 2011, 31, 629-637.	0.5	92
13	Metabolic Syndrome Exacerbates Inflammation and Bone Loss in Periodontitis. Journal of Dental Research, 2015, 94, 362-370.	2.5	89
14	Commensal Gut Microbiota Immunomodulatory Actions in Bone Marrow and Liver have Catabolic Effects on Skeletal Homeostasis in Health. Scientific Reports, 2017, 7, 5747.	1.6	83
15	Inactivation or Loss of TTP Promotes Invasion in Head and Neck Cancer via Transcript Stabilization and Secretion of MMP9, MMP2, and IL-6. Clinical Cancer Research, 2013, 19, 1169-1179.	3.2	73
16	Non-Surgical Chemotherapeutic Treatment Strategies for the Management of Periodontal Diseases. Dental Clinics of North America, 2010, 54, 13-33.	0.8	68
17	MKK3/6-p38 MAPK Signaling Is Required for IL-1Î² and TNF-Î±-Induced RANKL Expression in Bone Marrow Stromal Cells. Journal of Interferon and Cytokine Research, 2006, 26, 719-729.	0.5	66
18	Rap1GAP Promotes Invasion via Induction of Matrix Metalloproteinase 9 Secretion, Which Is Associated with Poor Survival in Low N-Stage Squamous Cell Carcinoma. Cancer Research, 2008, 68, 3959-3969.	0.4	66

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19	A p38Î± Selective Mitogen-Activated Protein Kinase Inhibitor Prevents Periodontal Bone Loss. Journal of Pharmacology and Experimental Therapeutics, 2007, 320, 56-63.	1.3	65
20	p38Î± Stabilizes Interleukin-6 mRNA via Multiple AU-richElements. Journal of Biological Chemistry, 2008, 283, 1778-1785.	1.6	65
21	MAP Kinase Phosphatase-1 Protects against Inflammatory Bone Loss. Journal of Dental Research, 2009, 88, 1125-1130.	2.5	65
22	p38 MAPK Regulates ILâ€1Î² Induced ILâ€6 Expression Through mRNA Stability in Osteoblasts. Immunological Investigations, 2004, 33, 213-233.	1.0	63
23	Tristetraprolin regulates interleukinâ€6, which is correlated with tumor progression in patients with head and neck squamous cell carcinoma. Cancer, 2011, 117, 2677-2689.	2.0	62
24	Curcumin modulates the immune response associated with LPS-induced periodontal disease in rats. Innate Immunity, 2012, 18, 155-163.	1.1	58
25	Actinobacillus actinomycetemcomitans lipopolysaccharide induces interleukin-6 expression through multiple mitogen-activated protein kinase pathways in periodontal ligament fibroblasts. Oral Microbiology and Immunology, 2006, 21, 392-398.	2.8	55
26	p38 MAPK Signaling in Oral-related Diseases. Journal of Dental Research, 2007, 86, 812-825.	2.5	53
27	Mean annual attachment, bone level, and tooth loss: A systematic review. Journal of Periodontology, 2018, 89, S120-S139.	1.7	53
28	Anti-inflammatory effect of MAPK phosphatase-1 local gene transfer in inflammatory bone loss. Gene Therapy, 2011, 18, 344-353.	2.3	51
29	CXCL13 activation of c-Myc induces RANK ligand expression in stromal/preosteoblast cells in the oral squamous cell carcinoma tumorâ€“bone microenvironment. Oncogene, 2013, 32, 97-105.	2.6	51
30	A p38 Mitogen-Activated Protein Kinase Inhibitor Arrests Active Alveolar Bone Loss in a Rat Periodontitis Model. Journal of Periodontology, 2007, 78, 1992-1998.	1.7	48
31	MKP-1 regulates cytokine mRNA stability through selectively modulation subcellular translocation of AUF1. Cytokine, 2011, 56, 245-255.	1.4	48
32	Non-antimicrobial and Antimicrobial Tetracyclines Inhibit IL-6 Expression in Murine Osteoblasts. Annals of the New York Academy of Sciences, 1999, 878, 667-670.	1.8	46
33	The Potential of p38 MAPK Inhibitors to Modulate Periodontal Infections. Current Drug Metabolism, 2009, 10, 55-67.	0.7	46
34	Mean annual attachment, bone level, and tooth loss: A systematic review. Journal of Clinical Periodontology, 2018, 45, S112-S129.	2.3	46
35	Simvastatin inhibits lipopolysaccharideâ€induced osteoclastogenesis and reduces alveolar bone loss in experimental periodontal disease. Journal of Periodontal Research, 2014, 49, 518-526.	1.4	42
36	MKK3/6â€”p38 MAPK negatively regulates murine MMP-13 gene expression induced by IL-1Î² and TNF-Î± in immortalized periodontal ligament fibroblasts. Matrix Biology, 2005, 24, 478-488.	1.5	41

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37	Targeting mRNA Stability Arrests Inflammatory Bone Loss. Molecular Therapy, 2008, 16, 1657-1664.	3.7	41
38	Simvastatin Inhibits LPS-induced Alveolar Bone Loss during Metabolic Syndrome. Journal of Dental Research, 2014, 93, 294-299.	2.5	41
39	MAPK Usage in Periodontal Disease Progression. Journal of Signal Transduction, 2012, 2012, 1-17.	2.0	40
40	A Novel Function of CXCL13 to Stimulate RANK Ligand Expression in Oral Squamous Cell Carcinoma Cells. Molecular Cancer Research, 2009, 7, 1399-1407.	1.5	39
41	Periodontal condition in patients with rheumatoid arthritis. Brazilian Oral Research, 2008, 22, 72-77.	0.6	38
42	Preferential Attachment of Human Gingival Fibroblasts to the Resin Ionomer Geristore. Journal of Endodontics, 2005, 31, 205-208.	1.4	37
43	The p38/MKP-1 signaling axis in oral cancer: Impact of tumor-associated macrophages. Oral Oncology, 2020, 103, 104591.	0.8	34
44	Chemically modified tetracyclines selectively inhibit IL-6 expression in osteoblasts by decreasing mRNA stability. Biochemical Pharmacology, 2003, 66, 1809-1819.	2.0	32
45	An orthotopic floorâ€ofâ€mouth model for locoregional growth and spread of human squamous cell carcinoma. Journal of Oral Pathology and Medicine, 2007, 36, 363-370.	1.4	32
46	Critical role of MKP-1 in lipopolysaccharide-induced osteoclast formation through CXCL1 and CXCL2. Cytokine, 2015, 71, 71-80.	1.4	32
47	Gene Expression Profile of Tissue Engineered Skin Subjected to Acute Barrier Disruption. Journal of Investigative Dermatology, 2003, 121, 368-382.	0.3	30
48	Inositol trisphosphate receptor gene expression and hormonal regulation in osteoblast-like cell lines and primary osteoblastic cell cultures. Journal of Bone and Mineral Research, 1996, 11, 1889-1896.	3.1	30
49	Silencing Mitogen-Activated Protein Kinase-Activated Protein Kinase-2 Arrests Inflammatory Bone Loss. Journal of Pharmacology and Experimental Therapeutics, 2011, 336, 633-642.	1.3	28
50	DUSP1 Phosphatase Regulates the Proinflammatory Milieu in Head and Neck Squamous Cell Carcinoma. Cancer Research, 2014, 74, 7191-7197.	0.4	28
51	Transcriptional activation of MMP-13 by periodontal pathogenic LPS requires p38 MAP kinase. Journal of Endotoxin Research, 2007, 13, 85-93.	2.5	27
52	Cloning and Characterization of the Type I Inositol 1,4,5-Trisphosphate Receptor Gene Promoter. Journal of Biological Chemistry, 1997, 272, 22425-22431.	1.6	26
53	In Vitro Mineralization Studies with Substrate-immobilized Bone Morphogenetic Protein Peptides. Journal of Oral Implantology, 2003, 29, 57-65.	0.4	26
54	Autoimmunity to deltaNp63alpha in Chronic Ulcerative Stomatitis. Journal of Dental Research, 2007, 86, 826-831.	2.5	26

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55	Mitogen-activated protein kinase phosphatase 1 regulates bone mass, osteoblast gene expression, and responsiveness to parathyroid hormone. Journal of Endocrinology, 2011, 211, 145-156.	1.2	26
56	Loss of Expression and Function of SOCS3 Is an Early Event in HNSCC: Altered Subcellular Localization as a Possible Mechanism Involved in Proliferation, Migration and Invasion. PLoS ONE, 2012, 7, e45197.	1.1	26
57	Oral squamous carcinoma cells secrete RANKL directly supporting osteolytic bone loss. Oral Oncology, 2013, 49, 119-128.	0.8	25
58	Myeloid-Derived Suppressor Cells at the Intersection of Inflammaging and Bone Fragility. Immunological Investigations, 2018, 47, 844-854.	1.0	25
59	The G Proteinâ€“Coupled Receptor GALR2 Promotes Angiogenesis in Head and Neck Cancer. Molecular Cancer Therapeutics, 2014, 13, 1323-1333.	1.9	24
60	Inhibition of the histone demethylase KDM4B leads to activation of KDM1A, attenuates bacterial-induced pro-inflammatory cytokine release, and reduces osteoclastogenesis. Epigenetics, 2018, 13, 557-572.	1.3	24
61	Kaposi's Sarcoma-Associated Herpesvirus Suppression of DUSP1 Facilitates Cellular Pathogenesis following De Novo Infection. Journal of Virology, 2013, 87, 621-635.	1.5	23
62	Inflammaging. Immunological Investigations, 2018, 47, 770-773.	1.0	23
63	Kaposi sarcoma-associated herpesvirus (KSHV) induces a functional tumor-associated phenotype for oral fibroblasts. Cancer Letters, 2012, 318, 214-220.	3.2	22
64	Alveolar Bone Loss: Mechanisms, Potential Therapeutic Targets, and Interventions. Advances in Dental Research, 2014, 26, 38-46.	3.6	22
65	Sexâ€based differential regulation of bacterialâ€induced bone resorption. Journal of Periodontal Research, 2017, 52, 377-387.	1.4	22
66	Efficient Production of Bioactive Insulin from Human Epidermal Keratinocytes and Tissue-Engineered Skin Substitutes: Implications for Treatment of Diabetes. Tissue Engineering, 2007, 13, 2119-2131.	4.9	20
67	MKP-1 Is Essential for Canonical Vitamin D-Induced Signaling through Nuclear Import and Regulates RANKL Expression and Function. Molecular Endocrinology, 2012, 26, 1682-1693.	3.7	20
68	A dominant function of p38 mitogen-activated protein kinase signaling in receptor activator of nuclear factor-Î¹B ligand expression and osteoclastogenesis induction by Aggregatibacter actinomycetemcomitans and Escherichia coli lipopolysaccharide. Journal of Periodontal Research, 2008, 43, 201-211.	1.4	19
69	LPS Induces Greater Bone and PDL Loss in SPARC-null Mice. Journal of Dental Research, 2011, 90, 477-482.	2.5	19
70	Differential expression of mitogen activating protein kinases in periodontitis. Journal of Clinical Periodontology, 2013, 40, 757-764.	2.3	19
71	Sexual Dimorphism in MAPK-Activated Protein Kinase-2 (MK2) Regulation of RANKL-Induced Osteoclastogenesis in Osteoclast Progenitor Subpopulations. PLoS ONE, 2015, 10, e0125387.	1.1	19
72	IL-1Î² Increases Type 1 Inositol Trisphosphate Receptor Expression and IL-6 Secretory Capacity in Osteoblastic Cell Cultures. Molecular Cell Biology Research Communications: MCBRC: Part B of Biochemical and Biophysical Research Communications, 2000, 3, 73-75.	1.7	18

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73	MKP-1 signaling events are required for early osteoclastogenesis in lineage defined progenitor populations by disrupting RANKL-induced NFATc1 nuclear translocation. Bone, 2014, 60, 16-25.	1.4	18
74	<scp>CD</scp>36 is upregulated in mice with periodontitis and metabolic syndrome and involved in macrophage gene upregulation by palmitate. Oral Diseases, 2017, 23, 210-218.	1.5	18
75	Activation of vitamin D in the gingival epithelium and its role in gingival inflammation and alveolar bone loss. Journal of Periodontal Research, 2019, 54, 444-452.	1.4	18
76	Tristetraprolin Is Required for Alveolar Bone Homeostasis. Journal of Dental Research, 2018, 97, 946-953.	2.5	16
77	Sexual Dimorphism in Periapical Inflammation and Bone Loss from Mitogen-activated Protein Kinase Phosphatase-1 Deficient Mice. Journal of Endodontics, 2012, 38, 1097-1100.	1.4	15
78	Is Monocyte Chemotactic Protein 1 Elevated in Aseptic Loosening of TKA?: A Pilot Study. Clinical Orthopaedics and Related Research, 2012, 470, 1879-1884.	0.7	15
79	Novel Preosteoclast Populations in Obesity-Associated Periodontal Disease. Journal of Dental Research, 2022, 101, 348-356.	2.5	14
80	Acid sphingomyelinase deficiency exacerbates LPSâ€induced experimental periodontitis. Oral Diseases, 2020, 26, 637-646.	1.5	13
81	Discovering Myeloid Cell Heterogeneity in Mandibular Bone â€“ Cell by Cell Analysis. Frontiers in Physiology, 2021, 12, 731549.	1.3	13
82	Porphyromonas gingivalis indirectly elicits intestinal inflammation by altering the gut microbiota and disrupting epithelial barrier function through IL9â€producing CD4⁺ T cells. Molecular Oral Microbiology, 2022, 37, 42-52.	1.3	13
83	Dietary carbohydrate intake is associated with the subgingival plaque oral microbiome abundance and diversity in a cohort of postmenopausal women. Scientific Reports, 2022, 12, 2643.	1.6	13
84	Prostaglandin Production by Human Gingival Fibroblasts Inhibited by Triclosan in the Presence of Cetylpyridinium Chloride. Journal of Periodontology, 2005, 76, 1735-1742.	1.7	12
85	CD24 blunts oral squamous cancer development and dampens the functional expansion of myeloid-derived suppressor cells. OncoImmunology, 2016, 5, e1226719.	2.1	11
86	Functionalized nanoparticles containing MKPâ€1 agonists reduce periodontal bone loss. Journal of Periodontology, 2019, 90, 894-902.	1.7	11
87	The effect of bone morphogenetic protein-7 on the expression of type I inositol 1,4,5-trisphosphate receptor in G-292 osteosarcoma cells and primary osteoblast cultures. Archives of Oral Biology, 2000, 45, 159-166.	0.8	10
88	Myeloidâ€derived suppressor cells in obesityâ€associated periodontal disease: A conceptual model. Periodontology 2000, 2021, 87, 268-275.	6.3	10
89	Inhibition of acid sphingomyelinase by imipramine abolishes the synergy between metabolic syndrome and periodontitis on alveolar bone loss. Journal of Periodontal Research, 2022, 57, 173-185.	1.4	10
90	Sexual Dimorphism in Immunity to Oral Bacterial Diseases: Intersection of Neutrophil and Osteoclast Pathobiology. Journal of Dental Research, 2018, 97, 1416-1423.	2.5	8

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91	Hematopoietic Stem Cells as a Novel Source of Dental Tissue Cells. Scientific Reports, 2018, 8, 8026.	1.6	8
92	Silencing matrix metalloproteinase-13 (Mmp-13) reduces inflammatory bone resorption associated with LPS-induced periodontal disease in vivo. Clinical Oral Investigations, 2021, 25, 3161-3172.	1.4	8
93	Sustained mitogenâ€activated protein kinase activation with Aggregatibacter actinomycetemcomitans causes inflammatory bone loss. Molecular Oral Microbiology, 2012, 27, 397-407.	1.3	7
94	Recent Trends in Oral Cavity Cancer Research Support in the United States. Journal of Dental Research, 2017, 96, 17-22.	2.5	7
95	Mitogen-Activated Protein Kinase 2 Signaling Shapes Macrophage Plasticity in Aggregatibacter actinomycetemcomitans-Induced Bone Loss. Infection and Immunity, 2017, 85, .	1.0	7
96	Expansion of myeloid-derived suppressor cells contributes to metabolic osteoarthritis through subchondral bone remodeling. Arthritis Research and Therapy, 2021, 23, 287.	1.6	7
97	Subgingival microbiome is associated with alveolar bone loss measured 5 years later in postmenopausal women. Journal of Periodontology, 2021, 92, 648-661.	1.7	6
98	Root surface conditioning with nicotine or cotinine reduces viability and density of fibroblasts in vitro. Clinical Oral Investigations, 2005, 9, 180-186.	1.4	4
99	The Periodontal Microenvironment: a Potential Reservoir for Intestinal Pathobionts in Crohnâ€™s Disease. Current Oral Health Reports, 2020, 7, 37-44.	0.5	4
100	MKP-1 is required to limit myeloid-cell mediated oral squamous cell carcinoma progression and regional extension. Oral Oncology, 2021, 120, 105401.	0.8	4
101	Chapter 108. Periodontal Diseases and Oral Bone Loss. , 0, , 510-513.		3
102	Molecular Biology of the Host-Microbe Interaction in Periodontal Diseases. , 2012, , 285-293.		3
103	Should Dental Schools Invest in Training Predoctoral Students for Academic Careers? Two Viewpoints. Journal of Dental Education, 2018, 82, 379-387.	0.7	2
104	Differential regulation of MMP-13 by chemical modified tetracyclines in osteoblasts. Journal of the International Academy of Periodontology, 2004, 6, 39-46.	0.7	2
105	Targeting MAPK/MKP Signaling as a Therapeutic Axis in Periodontal Disease. , 2020, , 55-71.		1
106	Dentotherapeutics: the twenty-first century. The Alpha Omegan, 2003, 96, 9.	0.1	0