

Keith L Kirkwood

List of Publications by Year in descending order

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106
papers

5,605
citations

87888

38
h-index

85541

71
g-index

109
all docs

109
docs citations

109
times ranked

7274
citing authors

#	ARTICLE	IF	CITATIONS
1	Low-Abundance Biofilm Species Orchestrates Inflammatory Periodontal Disease through the Commensal Microbiota and Complement. <i>Cell Host and Microbe</i> , 2011, 10, 497-506.	11.0	916
2	Periodontitis: Consensus report of workgroup 2 of the 2017 World Workshop on the Classification of Periodontal and Peri-Implant Diseases and Conditions. <i>Journal of Clinical Periodontology</i> , 2018, 45, S162-S170.	4.9	673
3	Functional Cooperation between Interleukin-17 and Tumor Necrosis Factor- α Is Mediated by CCAAT/Enhancer-binding Protein Family Members. <i>Journal of Biological Chemistry</i> , 2004, 279, 2559-2567.	3.4	309
4	Novel host response therapeutic approaches to treat periodontal diseases. <i>Periodontology 2000</i> , 2007, 43, 294-315.	13.4	145
5	Interactions between extracellular signal-regulated kinase 1/2 and P38 Map kinase pathways in the control of RUNX2 phosphorylation and transcriptional activity. <i>Journal of Bone and Mineral Research</i> , 2012, 27, 538-551.	2.8	131
6	Potent anti-inflammatory effects of systemically administered curcumin modulate periodontal disease in vivo. <i>Journal of Periodontal Research</i> , 2011, 46, 269-279.	2.7	121
7	Cementoblasts Maintain Expression of Osteocalcin in the Presence of Mineral Trioxide Aggregate. <i>Journal of Endodontics</i> , 2003, 29, 407-412.	3.1	115
8	<i>Actinobacillus actinomycetemcomitans</i> Lipopolysaccharide-Mediated Experimental Bone Loss Model for Aggressive Periodontitis. <i>Journal of Periodontology</i> , 2007, 78, 550-558.	3.4	110
9	Control of Cytokine mRNA Expression by RNA-binding Proteins and microRNAs. <i>Journal of Dental Research</i> , 2012, 91, 651-658.	5.2	99
10	<i>Aggregatibacter actinomycetemcomitans</i> , a potent immunoregulator of the periodontal host defense system and alveolar bone homeostasis. <i>Molecular Oral Microbiology</i> , 2016, 31, 207-227.	2.7	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. <i>Archives of Oral Biology</i> , 2013, 58, 1309-1317.	1.8	95
12	Tristetraprolin Regulates Interleukin-6 Expression Through p38 MAPK-Dependent Affinity Changes with mRNA 3' UTR Untranslated Region. <i>Journal of Interferon and Cytokine Research</i> , 2011, 31, 629-637.	1.2	92
13	Metabolic Syndrome Exacerbates Inflammation and Bone Loss in Periodontitis. <i>Journal of Dental Research</i> , 2015, 94, 362-370.	5.2	89
14	Commensal Gut Microbiota Immunomodulatory Actions in Bone Marrow and Liver have Catabolic Effects on Skeletal Homeostasis in Health. <i>Scientific Reports</i> , 2017, 7, 5747.	3.3	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. <i>Clinical Cancer Research</i> , 2013, 19, 1169-1179.	7.0	73
16	Non-Surgical Chemotherapeutic Treatment Strategies for the Management of Periodontal Diseases. <i>Dental Clinics of North America</i> , 2010, 54, 13-33.	1.8	68
17	MKK3/6-p38 MAPK Signaling Is Required for IL-1 β and TNF- α -Induced RANKL Expression in Bone Marrow Stromal Cells. <i>Journal of Interferon and Cytokine Research</i> , 2006, 26, 719-729.	1.2	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. <i>Cancer Research</i> , 2008, 68, 3959-3969.	0.9	66

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19	A p38 ^{Î±} Selective Mitogen-Activated Protein Kinase Inhibitor Prevents Periodontal Bone Loss. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007, 320, 56-63.	2.5	65
20	p38 ^{Î±} Stabilizes Interleukin-6 mRNA via Multiple AU-rich Elements. <i>Journal of Biological Chemistry</i> , 2008, 283, 1778-1785.	3.4	65
21	MAP Kinase Phosphatase-1 Protects against Inflammatory Bone Loss. <i>Journal of Dental Research</i> , 2009, 88, 1125-1130.	5.2	65
22	p38 MAPK Regulates IL-1 ^{Î²} Induced IL-6 Expression Through mRNA Stability in Osteoblasts. <i>Immunological Investigations</i> , 2004, 33, 213-233.	2.0	63
23	Tristetraprolin regulates interleukin-6, which is correlated with tumor progression in patients with head and neck squamous cell carcinoma. <i>Cancer</i> , 2011, 117, 2677-2689.	4.1	62
24	Curcumin modulates the immune response associated with LPS-induced periodontal disease in rats. <i>Innate Immunity</i> , 2012, 18, 155-163.	2.4	58
25	Actinobacillus actinomycetemcomitans lipopolysaccharide induces interleukin-6 expression through multiple mitogen-activated protein kinase pathways in periodontal ligament fibroblasts. <i>Oral Microbiology and Immunology</i> , 2006, 21, 392-398.	2.8	55
26	p38 MAPK Signaling in Oral-related Diseases. <i>Journal of Dental Research</i> , 2007, 86, 812-825.	5.2	53
27	Mean annual attachment, bone level, and tooth loss: A systematic review. <i>Journal of Periodontology</i> , 2018, 89, S120-S139.	3.4	53
28	Anti-inflammatory effect of MAPK phosphatase-1 local gene transfer in inflammatory bone loss. <i>Gene Therapy</i> , 2011, 18, 344-353.	4.5	51
29	CXCL13 activation of c-Myc induces RANK ligand expression in stromal/preosteoblast cells in the oral squamous cell carcinoma tumor bone microenvironment. <i>Oncogene</i> , 2013, 32, 97-105.	5.9	51
30	A p38 Mitogen-Activated Protein Kinase Inhibitor Arrests Active Alveolar Bone Loss in a Rat Periodontitis Model. <i>Journal of Periodontology</i> , 2007, 78, 1992-1998.	3.4	48
31	MKP-1 regulates cytokine mRNA stability through selectively modulation subcellular translocation of AUF1. <i>Cytokine</i> , 2011, 56, 245-255.	3.2	48
32	Non-antimicrobial and Antimicrobial Tetracyclines Inhibit IL-6 Expression in Murine Osteoblasts. <i>Annals of the New York Academy of Sciences</i> , 1999, 878, 667-670.	3.8	46
33	The Potential of p38 MAPK Inhibitors to Modulate Periodontal Infections. <i>Current Drug Metabolism</i> , 2009, 10, 55-67.	1.2	46
34	Mean annual attachment, bone level, and tooth loss: A systematic review. <i>Journal of Clinical Periodontology</i> , 2018, 45, S112-S129.	4.9	46
35	Simvastatin inhibits lipopolysaccharide-induced osteoclastogenesis and reduces alveolar bone loss in experimental periodontal disease. <i>Journal of Periodontal Research</i> , 2014, 49, 518-526.	2.7	42
36	MKK3/6 ^{Î±} p38 MAPK negatively regulates murine MMP-13 gene expression induced by IL-1 ^{Î²} and TNF- ^{Î±} in immortalized periodontal ligament fibroblasts. <i>Matrix Biology</i> , 2005, 24, 478-488.	3.6	41

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37	Targeting mRNA Stability Arrests Inflammatory Bone Loss. <i>Molecular Therapy</i> , 2008, 16, 1657-1664.	8.2	41
38	Simvastatin Inhibits LPS-induced Alveolar Bone Loss during Metabolic Syndrome. <i>Journal of Dental Research</i> , 2014, 93, 294-299.	5.2	41
39	MAPK Usage in Periodontal Disease Progression. <i>Journal of Signal Transduction</i> , 2012, 2012, 1-17.	2.0	40
40	A Novel Function of CXCL13 to Stimulate RANK Ligand Expression in Oral Squamous Cell Carcinoma Cells. <i>Molecular Cancer Research</i> , 2009, 7, 1399-1407.	3.4	39
41	Periodontal condition in patients with rheumatoid arthritis. <i>Brazilian Oral Research</i> , 2008, 22, 72-77.	1.4	38
42	Preferential Attachment of Human Gingival Fibroblasts to the Resin Ionomer Geristore. <i>Journal of Endodontics</i> , 2005, 31, 205-208.	3.1	37
43	The p38/MKP-1 signaling axis in oral cancer: Impact of tumor-associated macrophages. <i>Oral Oncology</i> , 2020, 103, 104591.	1.5	34
44	Chemically modified tetracyclines selectively inhibit IL-6 expression in osteoblasts by decreasing mRNA stability. <i>Biochemical Pharmacology</i> , 2003, 66, 1809-1819.	4.4	32
45	An orthotopic floor-of-mouth model for locoregional growth and spread of human squamous cell carcinoma. <i>Journal of Oral Pathology and Medicine</i> , 2007, 36, 363-370.	2.7	32
46	Critical role of MKP-1 in lipopolysaccharide-induced osteoclast formation through CXCL1 and CXCL2. <i>Cytokine</i> , 2015, 71, 71-80.	3.2	32
47	Gene Expression Profile of Tissue Engineered Skin Subjected to Acute Barrier Disruption. <i>Journal of Investigative Dermatology</i> , 2003, 121, 368-382.	0.7	30
48	Inositol trisphosphate receptor gene expression and hormonal regulation in osteoblast-like cell lines and primary osteoblastic cell cultures. <i>Journal of Bone and Mineral Research</i> , 1996, 11, 1889-1896.	2.8	30
49	Silencing Mitogen-Activated Protein Kinase-Activated Protein Kinase-2 Arrests Inflammatory Bone Loss. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2011, 336, 633-642.	2.5	28
50	DUSP1 Phosphatase Regulates the Proinflammatory Milieu in Head and Neck Squamous Cell Carcinoma. <i>Cancer Research</i> , 2014, 74, 7191-7197.	0.9	28
51	Transcriptional activation of MMP-13 by periodontal pathogenic LPS requires p38 MAP kinase. <i>Journal of Endotoxin Research</i> , 2007, 13, 85-93.	2.5	27
52	Cloning and Characterization of the Type I Inositol 1,4,5-Trisphosphate Receptor Gene Promoter. <i>Journal of Biological Chemistry</i> , 1997, 272, 22425-22431.	3.4	26
53	In Vitro Mineralization Studies with Substrate-immobilized Bone Morphogenetic Protein Peptides. <i>Journal of Oral Implantology</i> , 2003, 29, 57-65.	1.0	26
54	Autoimmunity to deltaNp63alpha in Chronic Ulcerative Stomatitis. <i>Journal of Dental Research</i> , 2007, 86, 826-831.	5.2	26

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55	Mitogen-activated protein kinase phosphatase 1 regulates bone mass, osteoblast gene expression, and responsiveness to parathyroid hormone. <i>Journal of Endocrinology</i> , 2011, 211, 145-156.	2.6	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. <i>PLoS ONE</i> , 2012, 7, e45197.	2.5	26
57	Oral squamous carcinoma cells secrete RANKL directly supporting osteolytic bone loss. <i>Oral Oncology</i> , 2013, 49, 119-128.	1.5	25
58	Myeloid-Derived Suppressor Cells at the Intersection of Inflammaging and Bone Fragility. <i>Immunological Investigations</i> , 2018, 47, 844-854.	2.0	25
59	The G Protein-Coupled Receptor GALR2 Promotes Angiogenesis in Head and Neck Cancer. <i>Molecular Cancer Therapeutics</i> , 2014, 13, 1323-1333.	4.1	24
60	Inhibition of the histone demethylase KDM4B leads to activation of KDM1A, attenuates bacterial-induced pro-inflammatory cytokine release, and reduces osteoclastogenesis. <i>Epigenetics</i> , 2018, 13, 557-572.	2.7	24
61	Kaposi's Sarcoma-Associated Herpesvirus Suppression of DUSP1 Facilitates Cellular Pathogenesis following <i>De Novo</i> Infection. <i>Journal of Virology</i> , 2013, 87, 621-635.	3.4	23
62	Inflammaging. <i>Immunological Investigations</i> , 2018, 47, 770-773.	2.0	23
63	Kaposi sarcoma-associated herpesvirus (KSHV) induces a functional tumor-associated phenotype for oral fibroblasts. <i>Cancer Letters</i> , 2012, 318, 214-220.	7.2	22
64	Alveolar Bone Loss: Mechanisms, Potential Therapeutic Targets, and Interventions. <i>Advances in Dental Research</i> , 2014, 26, 38-46.	3.6	22
65	Sex-based differential regulation of bacterial-induced bone resorption. <i>Journal of Periodontal Research</i> , 2017, 52, 377-387.	2.7	22
66	Efficient Production of Bioactive Insulin from Human Epidermal Keratinocytes and Tissue-Engineered Skin Substitutes: Implications for Treatment of Diabetes. <i>Tissue Engineering</i> , 2007, 13, 2119-2131.	4.6	20
67	MKP-1 Is Essential for Canonical Vitamin D-Induced Signaling through Nuclear Import and Regulates RANKL Expression and Function. <i>Molecular Endocrinology</i> , 2012, 26, 1682-1693.	3.7	20
68	A dominant function of p38 mitogen-activated protein kinase signaling in receptor activator of nuclear factor- κ B ligand expression and osteoclastogenesis induction by <i>Aggregatibacter actinomycetemcomitans</i> and <i>Escherichia coli</i> lipopolysaccharide. <i>Journal of Periodontal Research</i> , 2008, 43, 201-211.	2.7	19
69	LPS Induces Greater Bone and PDL Loss in SPARC-null Mice. <i>Journal of Dental Research</i> , 2011, 90, 477-482.	5.2	19
70	Differential expression of mitogen activating protein kinases in periodontitis. <i>Journal of Clinical Periodontology</i> , 2013, 40, 757-764.	4.9	19
71	Sexual Dimorphism in MAPK-Activated Protein Kinase-2 (MK2) Regulation of RANKL-Induced Osteoclastogenesis in Osteoclast Progenitor Subpopulations. <i>PLoS ONE</i> , 2015, 10, e0125387.	2.5	19
72	IL-1 β Increases Type 1 Inositol Trisphosphate Receptor Expression and IL-6 Secretory Capacity in Osteoblastic Cell Cultures. <i>Molecular Cell Biology Research Communications: MCBRC: Part B of Biochemical and Biophysical Research Communications</i> , 2000, 3, 73-75.	1.6	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. <i>Bone</i> , 2014, 60, 16-25.	2.9	18
74	<scp>CD</scp>36 is upregulated in mice with periodontitis and metabolic syndrome and involved in macrophage gene upregulation by palmitate. <i>Oral Diseases</i> , 2017, 23, 210-218.	3.0	18
75	Activation of vitamin D in the gingival epithelium and its role in gingival inflammation and alveolar bone loss. <i>Journal of Periodontal Research</i> , 2019, 54, 444-452.	2.7	18
76	Tristetraprolin Is Required for Alveolar Bone Homeostasis. <i>Journal of Dental Research</i> , 2018, 97, 946-953.	5.2	16
77	Sexual Dimorphism in Periapical Inflammation and Bone Loss from Mitogen-activated Protein Kinase Phosphatase-1 Deficient Mice. <i>Journal of Endodontics</i> , 2012, 38, 1097-1100.	3.1	15
78	Is Monocyte Chemotactic Protein 1 Elevated in Aseptic Loosening of TKA?: A Pilot Study. <i>Clinical Orthopaedics and Related Research</i> , 2012, 470, 1879-1884.	1.5	15
79	Novel Preosteoclast Populations in Obesity-Associated Periodontal Disease. <i>Journal of Dental Research</i> , 2022, 101, 348-356.	5.2	14
80	Acid sphingomyelinase deficiency exacerbates LPS-induced experimental periodontitis. <i>Oral Diseases</i> , 2020, 26, 637-646.	3.0	13
81	Discovering Myeloid Cell Heterogeneity in Mandibular Bone – Cell by Cell Analysis. <i>Frontiers in Physiology</i> , 2021, 12, 731549.	2.8	13
82	<i>Porphyromonas gingivalis</i> indirectly elicits intestinal inflammation by altering the gut microbiota and disrupting epithelial barrier function through IL9-producing CD4⁺ T cells. <i>Molecular Oral Microbiology</i> , 2022, 37, 42-52.	2.7	13
83	Dietary carbohydrate intake is associated with the subgingival plaque oral microbiome abundance and diversity in a cohort of postmenopausal women. <i>Scientific Reports</i> , 2022, 12, 2643.	3.3	13
84	Prostaglandin Production by Human Gingival Fibroblasts Inhibited by Triclosan in the Presence of Cetylpyridinium Chloride. <i>Journal of Periodontology</i> , 2005, 76, 1735-1742.	3.4	12
85	CD24 blunts oral squamous cancer development and dampens the functional expansion of myeloid-derived suppressor cells. <i>Oncolmmunology</i> , 2016, 5, e1226719.	4.6	11
86	Functionalized nanoparticles containing MKP-1 agonists reduce periodontal bone loss. <i>Journal of Periodontology</i> , 2019, 90, 894-902.	3.4	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. <i>Archives of Oral Biology</i> , 2000, 45, 159-166.	1.8	10
88	Myeloid-derived suppressor cells in obesity-associated periodontal disease: A conceptual model. <i>Periodontology</i> 2000, 2021, 87, 268-275.	13.4	10
89	Inhibition of acid sphingomyelinase by imipramine abolishes the synergy between metabolic syndrome and periodontitis on alveolar bone loss. <i>Journal of Periodontal Research</i> , 2022, 57, 173-185.	2.7	10
90	Sexual Dimorphism in Immunity to Oral Bacterial Diseases: Intersection of Neutrophil and Osteoclast Pathobiology. <i>Journal of Dental Research</i> , 2018, 97, 1416-1423.	5.2	8

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91	Hematopoietic Stem Cells as a Novel Source of Dental Tissue Cells. <i>Scientific Reports</i> , 2018, 8, 8026.	3.3	8
92	Silencing matrix metalloproteinase-13 (Mmp-13) reduces inflammatory bone resorption associated with LPS-induced periodontal disease in vivo. <i>Clinical Oral Investigations</i> , 2021, 25, 3161-3172.	3.0	8
93	Sustained mitogen-activated protein kinase activation with <i>Aggregatibacter actinomycetemcomitans</i> causes inflammatory bone loss. <i>Molecular Oral Microbiology</i> , 2012, 27, 397-407.	2.7	7
94	Recent Trends in Oral Cavity Cancer Research Support in the United States. <i>Journal of Dental Research</i> , 2017, 96, 17-22.	5.2	7
95	Mitogen-Activated Protein Kinase 2 Signaling Shapes Macrophage Plasticity in <i>Aggregatibacter actinomycetemcomitans</i> -Induced Bone Loss. <i>Infection and Immunity</i> , 2017, 85, .	2.2	7
96	Expansion of myeloid-derived suppressor cells contributes to metabolic osteoarthritis through subchondral bone remodeling. <i>Arthritis Research and Therapy</i> , 2021, 23, 287.	3.5	7
97	Subgingival microbiome is associated with alveolar bone loss measured 5 years later in postmenopausal women. <i>Journal of Periodontology</i> , 2021, 92, 648-661.	3.4	6
98	Root surface conditioning with nicotine or cotinine reduces viability and density of fibroblasts in vitro. <i>Clinical Oral Investigations</i> , 2005, 9, 180-186.	3.0	4
99	The Periodontal Microenvironment: a Potential Reservoir for Intestinal Pathobionts in Crohn's Disease. <i>Current Oral Health Reports</i> , 2020, 7, 37-44.	1.6	4
100	MKP-1 is required to limit myeloid-cell mediated oral squamous cell carcinoma progression and regional extension. <i>Oral Oncology</i> , 2021, 120, 105401.	1.5	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. <i>Journal of Dental Education</i> , 2018, 82, 379-387.	1.2	2
104	Differential regulation of MMP-13 by chemical modified tetracyclines in osteoblasts. <i>Journal of the International Academy of Periodontology</i> , 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. <i>The Alpha Omegan</i> , 2003, 96, 9.	0.1	0