

Dana T Graves

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

134
papers

11,559
citations

57
h-index

106
g-index

138
ext. papers

13,117
ext. citations

6.4
avg, IF

6.51
L-index

#	Paper	IF	Citations
134	Fracture healing as a post-natal developmental process: molecular, spatial, and temporal aspects of its regulation. <i>Journal of Cellular Biochemistry</i> , 2003 , 88, 873-84	4.7	940
133	The contribution of interleukin-1 and tumor necrosis factor to periodontal tissue destruction. <i>Journal of Periodontology</i> , 2003 , 74, 391-401	4.6	647
132	Molecular mechanisms controlling bone formation during fracture healing and distraction osteogenesis. <i>Journal of Dental Research</i> , 2008 , 87, 107-18	8.1	482
131	Cytokines that promote periodontal tissue destruction. <i>Journal of Periodontology</i> , 2008 , 79, 1585-91	4.6	415
130	Expression of osteoprotegerin, receptor activator of NF-kappaB ligand (osteoprotegerin ligand) and related proinflammatory cytokines during fracture healing. <i>Journal of Bone and Mineral Research</i> , 2001 , 16, 1004-14	6.3	412
129	Impaired fracture healing in the absence of TNF-alpha signaling: the role of TNF-alpha in endochondral cartilage resorption. <i>Journal of Bone and Mineral Research</i> , 2003 , 18, 1584-92	6.3	319
128	The use of rodent models to investigate host-bacteria interactions related to periodontal diseases. <i>Journal of Clinical Periodontology</i> , 2008 , 35, 89-105	7.7	261
127	Advanced glycation end products stimulate osteoblast apoptosis via the MAP kinase and cytosolic apoptotic pathways. <i>Bone</i> , 2007 , 40, 345-53	4.7	255
126	Diabetes interferes with the bone formation by affecting the expression of transcription factors that regulate osteoblast differentiation. <i>Endocrinology</i> , 2003 , 144, 346-52	4.8	245
125	FOXO transcription factors: their clinical significance and regulation. <i>BioMed Research International</i> , 2014 , 2014, 925350	3	210
124	Diabetes and Its Effect on Bone and Fracture Healing. <i>Current Osteoporosis Reports</i> , 2015 , 13, 327-35	5.4	209
123	Review of osteoimmunology and the host response in endodontic and periodontal lesions. <i>Journal of Oral Microbiology</i> , 2011 , 3,	6.3	197
122	Diabetes enhances periodontal bone loss through enhanced resorption and diminished bone formation. <i>Journal of Dental Research</i> , 2006 , 85, 510-4	8.1	197
121	Inflammation and uncoupling as mechanisms of periodontal bone loss. <i>Journal of Dental Research</i> , 2011 , 90, 143-53	8.1	183
120	A role for advanced glycation end products in diminished bone healing in type 1 diabetes. <i>Diabetes</i> , 2003 , 52, 1502-10	0.9	182
119	Diminished bone formation during diabetic fracture healing is related to the premature resorption of cartilage associated with increased osteoclast activity. <i>Journal of Bone and Mineral Research</i> , 2007 , 22, 560-8	6.3	174
118	Diabetic complications and dysregulated innate immunity. <i>Frontiers in Bioscience - Landmark</i> , 2008 , 13, 1227-39	2.8	165

117	Diabetes-enhanced tumor necrosis factor-alpha production promotes apoptosis and the loss of retinal microvascular cells in type 1 and type 2 models of diabetic retinopathy. <i>American Journal of Pathology</i> , 2008 , 172, 1411-8	5.8	163
116	Comparison of effects of the bisphosphonate alendronate versus the RANKL inhibitor denosumab on murine fracture healing. <i>Journal of Bone and Mineral Research</i> , 2009 , 24, 196-208	6.3	156
115	Diabetes prolongs the inflammatory response to a bacterial stimulus through cytokine dysregulation. <i>Journal of Investigative Dermatology</i> , 2004 , 123, 87-92	4.3	145
114	Interleukin-1 and tumor necrosis factor activities partially account for calvarial bone resorption induced by local injection of lipopolysaccharide. <i>Infection and Immunity</i> , 1999 , 67, 4231-6	3.7	143
113	Wnt4 signaling prevents skeletal aging and inflammation by inhibiting nuclear factor- κ B. <i>Nature Medicine</i> , 2014 , 20, 1009-17	50.5	142
112	Interleukin-1 and tumor necrosis factor antagonists inhibit the progression of inflammatory cell infiltration toward alveolar bone in experimental periodontitis. <i>Journal of Periodontology</i> , 1998 , 69, 1419-25	4.6	141
111	Diabetes Enhances IL-17 Expression and Alters the Oral Microbiome to Increase Its Pathogenicity. <i>Cell Host and Microbe</i> , 2017 , 22, 120-128.e4	23.4	140
110	Diabetes causes decreased osteoclastogenesis, reduced bone formation, and enhanced apoptosis of osteoblastic cells in bacteria stimulated bone loss. <i>Endocrinology</i> , 2004 , 145, 447-52	4.8	140
109	Three-dimensional reconstruction of fracture callus morphogenesis. <i>Journal of Histochemistry and Cytochemistry</i> , 2006 , 54, 1215-28	3.4	139
108	Role of forkhead transcription factors in diabetes-induced oxidative stress. <i>Experimental Diabetes Research</i> , 2012 , 2012, 939751		129
107	TNF-alpha mediates diabetes-enhanced chondrocyte apoptosis during fracture healing and stimulates chondrocyte apoptosis through FOXO1. <i>Journal of Bone and Mineral Research</i> , 2010 , 25, 1604-13	6.3	119
106	Diabetes mellitus related bone metabolism and periodontal disease. <i>International Journal of Oral Science</i> , 2015 , 7, 63-72	27.9	118
105	High levels of tumor necrosis factor-alpha contribute to accelerated loss of cartilage in diabetic fracture healing. <i>American Journal of Pathology</i> , 2009 , 175, 1574-85	5.8	118
104	Mammalian target of rapamycin complex 2 (mTORC2) negatively regulates Toll-like receptor 4-mediated inflammatory response via FoxO1. <i>Journal of Biological Chemistry</i> , 2011 , 286, 44295-305	5.4	115
103	Diabetes aggravates periodontitis by limiting repair through enhanced inflammation. <i>FASEB Journal</i> , 2012 , 26, 1423-30	0.9	111
102	Advanced glycation end products induce apoptosis in fibroblasts through activation of ROS, MAP kinases, and the FOXO1 transcription factor. <i>American Journal of Physiology - Cell Physiology</i> , 2007 , 292, C850-6	5.4	110
101	Inflammation and tissue loss caused by periodontal pathogens is reduced by interleukin-1 antagonists. <i>Journal of Infectious Diseases</i> , 2002 , 186, 511-6	7	109
100	Abnormal cell responses and role of TNF- α in impaired diabetic wound healing. <i>BioMed Research International</i> , 2013 , 2013, 754802	3	108

99	Animal models to study host-bacteria interactions involved in periodontitis. <i>Frontiers of Oral Biology</i> , 2012 , 15, 117-32		108
98	Diabetes-enhanced inflammation and apoptosis--impact on periodontal pathology. <i>Journal of Dental Research</i> , 2006 , 85, 15-21	8.1	108
97	The Oral Microbiota Is Modified by Systemic Diseases. <i>Journal of Dental Research</i> , 2019 , 98, 148-156	8.1	107
96	Diabetes causes the accelerated loss of cartilage during fracture repair which is reversed by insulin treatment. <i>Bone</i> , 2009 , 44, 357-63	4.7	106
95	Tumor necrosis factor modulates fibroblast apoptosis, PMN recruitment, and osteoclast formation in response to <i>P. gingivalis</i> infection. <i>Journal of Dental Research</i> , 2001 , 80, 1875-9	8.1	106
94	FOXO1 promotes wound healing through the up-regulation of TGF- β and prevention of oxidative stress. <i>Journal of Cell Biology</i> , 2013 , 203, 327-43	7.3	102
93	FOXO1 plays an important role in enhanced microvascular cell apoptosis and microvascular cell loss in type 1 and type 2 diabetic rats. <i>Diabetes</i> , 2009 , 58, 917-25	0.9	99
92	FOXO1 functions as a master switch that regulates gene expression necessary for tumor necrosis factor-induced fibroblast apoptosis. <i>Journal of Biological Chemistry</i> , 2005 , 280, 12096-102	5.4	95
91	Tumor necrosis factor-alpha mediates diabetes-enhanced apoptosis of matrix-producing cells and impairs diabetic healing. <i>American Journal of Pathology</i> , 2006 , 168, 757-64	5.8	88
90	Cellular and Molecular Aspects of Bone Remodeling. <i>Frontiers of Oral Biology</i> , 2016 , 18, 9-16		82
89	IL-1 plays a critical role in oral, but not dermal, wound healing. <i>Journal of Immunology</i> , 2001 , 167, 5316-20.3		80
88	Diabetes enhances mRNA levels of proapoptotic genes and caspase activity, which contribute to impaired healing. <i>Diabetes</i> , 2006 , 55, 487-95	0.9	78
87	FOXO1, TGF- β regulation and wound healing. <i>International Journal of Molecular Sciences</i> , 2014 , 15, 16257-69		75
86	Subgingival microbiota dysbiosis in systemic lupus erythematosus: association with periodontal status. <i>Microbiome</i> , 2017 , 5, 34	16.6	74
85	Periodontal disease: bacterial virulence factors, host response and impact on systemic health. <i>Current Opinion in Infectious Diseases</i> , 2000 , 13, 227-232	5.4	71
84	Interaction of oral bacteria with gingival epithelial cell multilayers. <i>Molecular Oral Microbiology</i> , 2011 , 26, 210-20	4.6	69
83	Altered fibroblast proliferation and apoptosis in diabetic gingival wounds. <i>Journal of Dental Research</i> , 2010 , 89, 609-14	8.1	69
82	Diabetes reduces mesenchymal stem cells in fracture healing through a TNF-mediated mechanism. <i>Diabetologia</i> , 2015 , 58, 633-642	10.3	62

81	Inflammation is more persistent in type 1 diabetic mice. <i>Journal of Dental Research</i> , 2005 , 84, 324-8	8.1	62
80	Fibroblasts, mononuclear phagocytes, and endothelial cells express monocyte chemoattractant protein-1 (MCP-1) in inflamed human gingiva. <i>Journal of Periodontology</i> , 1995 , 66, 80-8	4.6	61
79	The impact of diabetes on periodontal diseases. <i>Periodontology 2000</i> , 2020 , 82, 214-224	12.9	59
78	FOXO1 modulates osteoblast differentiation. <i>Bone</i> , 2011 , 48, 1043-51	4.7	57
77	Lipid peroxidation is associated with the severity of periodontal disease and local inflammatory markers in patients with type 2 diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2012 , 97, E1353-62	5.6	57
76	Activation of the acquired immune response reduces coupled bone formation in response to a periodontal pathogen. <i>Journal of Immunology</i> , 2008 , 181, 8711-8	5.3	56
75	Inhibition of experimental periodontitis by a topical boron-based antimicrobial. <i>Journal of Dental Research</i> , 2008 , 87, 148-52	8.1	53
74	FOXO1 differentially regulates both normal and diabetic wound healing. <i>Journal of Cell Biology</i> , 2015 , 209, 289-303	7.3	52
73	Chemokine expression is upregulated in chondrocytes in diabetic fracture healing. <i>Bone</i> , 2013 , 53, 294-300	4.9	52
72	Diabetes alters the response to bacteria by enhancing fibroblast apoptosis. <i>Endocrinology</i> , 2004 , 145, 2997-3003	4.8	52
71	Oral microbial dysbiosis linked to worsened periodontal condition in rheumatoid arthritis patients. <i>Scientific Reports</i> , 2019 , 9, 8379	4.9	50
70	Osteoblast Lineage Cells Play an Essential Role in Periodontal Bone Loss Through Activation of Nuclear Factor-Kappa B. <i>Scientific Reports</i> , 2015 , 5, 16694	4.9	49
69	TNF α contributes to diabetes impaired angiogenesis in fracture healing. <i>Bone</i> , 2017 , 99, 26-38	4.7	47
68	Effect of Aging on Periodontal Inflammation, Microbial Colonization, and Disease Susceptibility. <i>Journal of Dental Research</i> , 2016 , 95, 460-6	8.1	47
67	FOXO1 plays an essential role in apoptosis of retinal pericytes. <i>Molecular Vision</i> , 2010 , 16, 408-15	2.3	47
66	Lipopolysaccharides indirectly stimulate apoptosis and global induction of apoptotic genes in fibroblasts. <i>Journal of Biological Chemistry</i> , 2003 , 278, 52901-8	5.4	46
65	Bacterial infection increases periodontal bone loss in diabetic rats through enhanced apoptosis. <i>American Journal of Pathology</i> , 2013 , 183, 1928-1935	5.8	44
64	P. gingivalis and E. coli lipopolysaccharides exhibit different systemic but similar local induction of inflammatory markers. <i>Journal of Periodontology</i> , 2008 , 79, 1241-7	4.6	43

63	Aggregatibacter actinomycetemcomitans infection enhances apoptosis in vivo through a caspase-3-dependent mechanism in experimental periodontitis. <i>Infection and Immunity</i> , 2012 , 80, 2247-56	3.7	42
62	Diabetes and increased lipid peroxidation are associated with systemic inflammation even in well-controlled patients. <i>Journal of Diabetes and Its Complications</i> , 2016 , 30, 1593-1599	3.2	41
61	The function of dendritic cells in modulating the host response. <i>Molecular Oral Microbiology</i> , 2018 , 33, 13-21	4.6	40
60	The enduring importance of animal models in understanding periodontal disease. <i>Virulence</i> , 2015 , 6, 229-35	4.7	40
59	The Role of Forkhead Box 1 (FOXO1) in the Immune System: Dendritic Cells, T Cells, B Cells, and Hematopoietic Stem Cells. <i>Critical Reviews in Immunology</i> , 2017 , 37, 1-13	1.8	39
58	Mucosal Immunity and the FOXO1 Transcription Factors. <i>Frontiers in Immunology</i> , 2019 , 10, 2530	8.4	39
57	RANKL deletion in periodontal ligament and bone lining cells blocks orthodontic tooth movement. <i>International Journal of Oral Science</i> , 2018 , 10, 3	27.9	36
56	FOXO1 regulates VEGFA expression and promotes angiogenesis in healing wounds. <i>Journal of Pathology</i> , 2018 , 245, 258-264	9.4	36
55	Bone Remodeling Under Pathological Conditions. <i>Frontiers of Oral Biology</i> , 2016 , 18, 17-27		36
54	Contribution of interleukin-11 and prostaglandin(s) in lipopolysaccharide-induced bone resorption in vivo. <i>Infection and Immunity</i> , 2002 , 70, 3915-22	3.7	33
53	Foxo1 inhibits diabetic mucosal wound healing but enhances healing of normoglycemic wounds. <i>Diabetes</i> , 2015 , 64, 243-56	0.9	32
52	Locally delivered salicylic acid from a poly(anhydride-ester): impact on diabetic bone regeneration. <i>Journal of Controlled Release</i> , 2013 , 171, 33-7	11.7	32
51	Effects of local insulin delivery on subperiosteal angiogenesis and mineralized tissue formation during fracture healing. <i>Journal of Orthopaedic Research</i> , 2013 , 31, 783-91	3.8	32
50	Osteocytes play an important role in experimental periodontitis in healthy and diabetic mice through expression of RANKL. <i>Journal of Clinical Periodontology</i> , 2018 , 45, 285-292	7.7	32
49	Gene expression dynamics during diabetic periodontitis. <i>Journal of Dental Research</i> , 2012 , 91, 1160-5	8.1	31
48	FOXO1 regulates dendritic cell activity through ICAM-1 and CCR7. <i>Journal of Immunology</i> , 2015 , 194, 3745-55	5.3	30
47	FOXO1 deletion reduces dendritic cell function and enhances susceptibility to periodontitis. <i>American Journal of Pathology</i> , 2015 , 185, 1085-93	5.8	30
46	Effect of bacteria on the wound healing behavior of oral epithelial cells. <i>PLoS ONE</i> , 2014 , 9, e89475	3.7	29

45	Diabetes Activates Periodontal Ligament Fibroblasts via NF- κ B In Vivo. <i>Journal of Dental Research</i> , 2018 , 97, 580-588	8.1	26
44	P. gingivalis modulates keratinocytes through FOXO transcription factors. <i>PLoS ONE</i> , 2013 , 8, e78541	3.7	26
43	Interleukin-1 and tumor necrosis factor receptor signaling is not required for bacteria-induced osteoclastogenesis and bone loss but is essential for protecting the host from a mixed anaerobic infection. <i>American Journal of Pathology</i> , 1999 , 155, 2145-52	5.8	26
42	FOXO1 Regulates Bacteria-Induced Neutrophil Activity. <i>Frontiers in Immunology</i> , 2017 , 8, 1088	8.4	25
41	Impact of Diabetes on Fracture Healing. <i>Journal of Experimental and Clinical Medicine</i> , 2011 , 3, 3-8		25
40	Immunization enhances inflammation and tissue destruction in response to Porphyromonas gingivalis. <i>Infection and Immunity</i> , 2006 , 74, 2286-92	3.7	25
39	FOXO1 mediates RANKL-induced osteoclast formation and activity. <i>Journal of Immunology</i> , 2015 , 194, 2878-87	5.3	24
38	Inflammation-associated lysyl oxidase protein expression in vivo, and modulation by FGF-2 plus IGF-1. <i>Histochemistry and Cell Biology</i> , 1998 , 110, 9-14	2.4	23
37	Interleukin-1 receptor signaling rather than that of tumor necrosis factor is critical in protecting the host from the severe consequences of a polymicrobe anaerobic infection. <i>Infection and Immunity</i> , 2000 , 68, 4746-51	3.7	23
36	NF- κ B Has a Direct Role in Inhibiting Bmp- and Wnt-Induced Matrix Protein Expression. <i>Journal of Bone and Mineral Research</i> , 2016 , 31, 52-64	6.3	22
35	FOXO1 Deletion Reverses the Effect of Diabetic-Induced Impaired Fracture Healing. <i>Diabetes</i> , 2018 , 67, 2682-2694	0.9	21
34	Effect of Obesity or Metabolic Syndrome and Diabetes on Osseointegration of Dental Implants in a Miniature Swine Model: A Pilot Study. <i>Journal of Oral and Maxillofacial Surgery</i> , 2018 , 76, 1677-1687	1.8	17
33	FOXO1 deletion in keratinocytes improves diabetic wound healing through MMP9 regulation. <i>Scientific Reports</i> , 2017 , 7, 10565	4.9	17
32	Depletion of the diabetic gut microbiota resistance enhances stem cells therapy in type 1 diabetes mellitus. <i>Theranostics</i> , 2020 , 10, 6500-6516	12.1	16
31	NOD1 in the modulation of host-microbe interactions and inflammatory bone resorption in the periodontal disease model. <i>Immunology</i> , 2016 , 149, 374-385	7.8	16
30	A.actinomycescomitans-induced periodontal disease promotes systemic and local responses in rat periodontium. <i>Journal of Clinical Periodontology</i> , 2012 , 39, 333-41	7.7	15
29	Porphyromonas gingivalis fimbriae are pro-inflammatory but do not play a prominent role in the innate immune response to P. gingivalis. <i>Journal of Endotoxin Research</i> , 2005 , 11, 13-8		15
28	Chondrocytes Promote Vascularization in Fracture Healing Through a FOXO1-Dependent Mechanism. <i>Journal of Bone and Mineral Research</i> , 2019 , 34, 547-556	6.3	14

27	FOXO1 expression in keratinocytes promotes connective tissue healing. <i>Scientific Reports</i> , 2017 , 7, 42834.9	13
26	Clopidogrel enhances periodontal repair in rats through decreased inflammation. <i>Journal of Clinical Periodontology</i> , 2014 , 41, 295-302	7.7 13
25	Impact of Diabetes on the Protective Role of FOXO1 in Wound Healing. <i>Journal of Dental Research</i> , 2015 , 94, 1025-6	8.1 13
24	Diabetes-Induced NF- κ B Dysregulation in Skeletal Stem Cells Prevents Resolution of Inflammation. <i>Diabetes</i> , 2019 , 68, 2095-2106	0.9 13
23	The Interrelationship Between Diabetes, IL-17 and Bone Loss. <i>Current Osteoporosis Reports</i> , 2020 , 18, 23-31	5.4 12
22	Role of NOD2 and RIP2 in host-microbe interactions with Gram-negative bacteria: insights from the periodontal disease model. <i>Innate Immunity</i> , 2016 , 22, 598-611	2.7 12
21	Keratinocyte Function in Normal and Diabetic Wounds and Modulation by FOXO1. <i>Journal of Diabetes Research</i> , 2020 , 2020, 3714704	3.9 11
20	IFT80 Is Required for Fracture Healing Through Controlling the Regulation of TGF- β Signaling in Chondrocyte Differentiation and Function. <i>Journal of Bone and Mineral Research</i> , 2020 , 35, 571-582	6.3 10
19	Diabetic wound healing in soft and hard oral tissues. <i>Translational Research</i> , 2021 , 236, 72-86	11 8
18	Evidence that diabetes mellitus aggravates periodontal diseases and modifies the response to an oral pathogen in animal models. <i>Compendium of Continuing Education in Dentistry (Jamesburg, N J: 1995)</i> , 2004 , 25, 38-45	0.3 8
17	Establishment of oral bacterial communities in germ-free mice and the influence of recipient age. <i>Molecular Oral Microbiology</i> , 2018 , 33, 38-46	4.6 7
16	Deletion of FOXO1 in chondrocytes rescues the effect of diabetes on mechanical strength in fracture healing. <i>Bone</i> , 2019 , 123, 159-167	4.7 6
15	Sustained, localized salicylic acid delivery enhances diabetic bone regeneration via prolonged mitigation of inflammation. <i>Journal of Biomedical Materials Research - Part A</i> , 2016 , 104, 2595-603	5.4 5
14	Clopidogrel Enhances Mesenchymal Stem Cell Proliferation Following Periodontitis. <i>Journal of Dental Research</i> , 2015 , 94, 1691-7	8.1 4
13	NF- κ B perturbation reveals unique immunomodulatory functions in Prx1 fibroblasts that promote development of atopic dermatitis.. <i>Science Translational Medicine</i> , 2022 , 14, eabj0324	17.5 2
12	Role of Primary Cilia in Bone and Cartilage. <i>Journal of Dental Research</i> , 2021 , 220345211046606	8.1 2
11	Impact of Diabetes on Periodontal Disease 2016 , 95-112	2
10	FOXO1 expression in chondrocytes modulates cartilage production and removal in fracture healing. <i>Bone</i> , 2021 , 148, 115905	4.7 2

9	Periodontal disease as a complication of diabetes mellitus 2014 , 121-141		1
8	FOXO1 has a Dual Function to Promote Normal but Inhibit Diabetic Wound Healing. <i>Recent Clinical Techniques, Results, and Research in Wounds</i> , 2017 , 57-67	0	1
7	Salicylic Acid Polymers in Periodontal Tissue Healing 2020 , 43-53		1
6	Cigarette Smoke Exposure Inhibits Osteoclast Apoptosis via the mtROS Pathway. <i>Journal of Dental Research</i> , 2021 , 100, 1378-1386	8.1	1
5	Diabetes impairs fracture healing through disruption of cilia formation in osteoblasts. <i>Bone</i> , 2021 , 153, 116176	4.7	0
4	Methotrexate promotes recovery of arthritis-induced alveolar bone loss and modifies the composition of the oral-gut microbiota.. <i>Anaerobe</i> , 2022 , 75, 102577	2.8	0
3	Clinical application of a FOXO1 inhibitor improves connective tissue healing in a diabetic minipig model. <i>American Journal of Translational Research (discontinued)</i> , 2021 , 13, 781-791	3	
2	FOXO1 differentially regulates both normal and diabetic wound healing. <i>Journal of Experimental Medicine</i> , 2015 , 212, 2125OIA30	16.6	
1	Periodontal Disease and Inflammation-Induced Bone Remodeling 237-248		