Dana T Graves

List of Publications by Year in Descending Order

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	NF-B perturbation reveals unique immunomodulatory functions in Prx1 fibroblasts that promote development of atopic dermatitis.. *Science Translational Medicine*, **2022**, 14, eabj0324	17.5	2
133	Methotrexate promotes recovery of arthritis-induced alveolar bone loss and modifies the composition of the oral-gut microbiota.. *Anaerobe*, **2022**, 75, 102577	2.8	0
132	Role of Primary Cilia in Bone and Cartilage. *Journal of Dental Research*, **2021**, 220345211046606	8.1	2
131	Clinical application of a FOXO1 inhibitor improves connective tissue healing in a diabetic minipig model. *American Journal of Translational Research (discontinued)*, **2021**, 13, 781-791	3	
130	Cigarette Smoke Exposure Inhibits Osteoclast Apoptosis via the mtROS Pathway. *Journal of Dental Research*, **2021**, 100, 1378-1386	8.1	1
129	FOXO1 expression in chondrocytes modulates cartilage production and removal in fracture healing. *Bone*, **2021**, 148, 115905	4.7	2
128	Diabetic wound healing in soft and hard oral tissues. *Translational Research*, **2021**, 236, 72-86	11	8
127	Diabetes impairs fracture healing through disruption of cilia formation in osteoblasts. *Bone*, **2021**, 153, 116176	4.7	0
126	Depletion of the diabetic gut microbiota resistance enhances stem cells therapy in type 1 diabetes mellitus. *Theranostics*, **2020**, 10, 6500-6516	12.1	16
125	Salicylic Acid Polymers in Periodontal Tissue Healing **2020**, 43-53		1
124	The Interrelationship Between Diabetes, IL-17 and Bone Loss. *Current Osteoporosis Reports*, **2020**, 18, 23-31	5.4	12
123	The impact of diabetes on periodontal diseases. *Periodontology 2000*, **2020**, 82, 214-224	12.9	59
122	Keratinocyte Function in Normal and Diabetic Wounds and Modulation by FOXO1. *Journal of Diabetes Research*, **2020**, 2020, 3714704	3.9	11
121	IFT80 Is Required for Fracture Healing Through Controlling the Regulation of TGF- Signaling in Chondrocyte Differentiation and Function. *Journal of Bone and Mineral Research*, **2020**, 35, 571-582	6.3	10
120	Oral microbial dysbiosis linked to worsened periodontal condition in rheumatoid arthritis patients. *Scientific Reports*, **2019**, 9, 8379	4.9	50
119	Deletion of FOXO1 in chondrocytes rescues the effect of diabetes on mechanical strength in fracture healing. *Bone*, **2019**, 123, 159-167	4.7	6
118	Diabetes-Induced NF-B Dysregulation in Skeletal Stem Cells Prevents Resolution of Inflammation. *Diabetes*, **2019**, 68, 2095-2106	0.9	13

117	Mucosal Immunity and the FOXO1 Transcription Factors. *Frontiers in Immunology*, **2019**, 10, 2530	8.4	39
116	Chondrocytes Promote Vascularization in Fracture Healing Through a FOXO1-Dependent Mechanism. *Journal of Bone and Mineral Research*, **2019**, 34, 547-556	6.3	14
115	The Oral Microbiota Is Modified by Systemic Diseases. *Journal of Dental Research*, **2019**, 98, 148-156	8.1	107
114	RANKL deletion in periodontal ligament and bone lining cells blocks orthodontic tooth movement. *International Journal of Oral Science*, **2018**, 10, 3	27.9	36
113	Effect of Obesity or Metabolic Syndrome and Diabetes on Osseointegration of Dental Implants in a Miniature Swine Model: A Pilot Study. *Journal of Oral and Maxillofacial Surgery*, **2018**, 76, 1677-1687	1.8	17
112	FOXO1 regulates VEGFA expression and promotes angiogenesis in healing wounds. *Journal of Pathology*, **2018**, 245, 258-264	9.4	36
111	Diabetes Activates Periodontal Ligament Fibroblasts via NF-B In Vivo. *Journal of Dental Research*, **2018**, 97, 580-588	8.1	26
110	The function of dendritic cells in modulating the host response. *Molecular Oral Microbiology*, **2018**, 33, 13-21	4.6	40
109	Osteocytes play an important role in experimental periodontitis in healthy and diabetic mice through expression of RANKL. *Journal of Clinical Periodontology*, **2018**, 45, 285-292	7.7	32
108	Establishment of oral bacterial communities in germ-free mice and the influence of recipient age. *Molecular Oral Microbiology*, **2018**, 33, 38-46	4.6	7
107	FOXO1 Deletion Reverses the Effect of Diabetic-Induced Impaired Fracture Healing. *Diabetes*, **2018**, 67, 2682-2694	0.9	21
106	FOXO1 expression in keratinocytes promotes connective tissue healing. *Scientific Reports*, **2017**, 7, 42834	4.9	13
105	Subgingival microbiota dysbiosis in systemic lupus erythematosus: association with periodontal status. *Microbiome*, **2017**, 5, 34	16.6	74
104	TNF contributes to diabetes impaired angiogenesis in fracture healing. *Bone*, **2017**, 99, 26-38	4.7	47
103	The Role of Forkhead Box 1 (FOXO1) in the Immune System: Dendritic Cells, T Cells, B Cells, and Hematopoietic Stem Cells. *Critical Reviews in Immunology*, **2017**, 37, 1-13	1.8	39
102	FOXO1 deletion in keratinocytes improves diabetic wound healing through MMP9 regulation. *Scientific Reports*, **2017**, 7, 10565	4.9	17
101	Diabetes Enhances IL-17 Expression and Alters the Oral Microbiome to Increase Its Pathogenicity. *Cell Host and Microbe*, **2017**, 22, 120-128.e4	23.4	140
100	FOXO1 has a Dual Function to Promote Normal but Inhibit Diabetic Wound Healing. *Recent Clinical Techniques, Results, and Research in Wounds*, **2017**, 57-67	0	1

99	FOXO1 Regulates Bacteria-Induced Neutrophil Activity. *Frontiers in Immunology*, **2017**, 8, 1088	8.4	25
98	Diabetes and increased lipid peroxidation are associated with systemic inflammation even in well-controlled patients. *Journal of Diabetes and Its Complications*, **2016**, 30, 1593-1599	3.2	41
97	Effect of Aging on Periodontal Inflammation, Microbial Colonization, and Disease Susceptibility. *Journal of Dental Research*, **2016**, 95, 460-6	8.1	47
96	NF-B Has a Direct Role in Inhibiting Bmp- and Wnt-Induced Matrix Protein Expression. *Journal of Bone and Mineral Research*, **2016**, 31, 52-64	6.3	22
95	Bone Remodeling Under Pathological Conditions. *Frontiers of Oral Biology*, **2016**, 18, 17-27		36
94	Cellular and Molecular Aspects of Bone Remodeling. *Frontiers of Oral Biology*, **2016**, 18, 9-16		82
93	Impact of Diabetes on Periodontal Disease **2016**, 95-112		2
92	Sustained, localized salicylic acid delivery enhances diabetic bone regeneration via prolonged mitigation of inflammation. *Journal of Biomedical Materials Research - Part A*, **2016**, 104, 2595-603	5.4	5
91	Role of NOD2 and RIP2 in host-microbe interactions with Gram-negative bacteria: insights from the periodontal disease model. *Innate Immunity*, **2016**, 22, 598-611	2.7	12
90	NOD1 in the modulation of host-microbe interactions and inflammatory bone resorption in the periodontal disease model. *Immunology*, **2016**, 149, 374-385	7.8	16
89	FOXO1 mediates RANKL-induced osteoclast formation and activity. *Journal of Immunology*, **2015**, 194, 2878-87	5.3	24
88	FOXO1 regulates dendritic cell activity through ICAM-1 and CCR7. *Journal of Immunology*, **2015**, 194, 3745-55	5.3	30
87	Diabetes mellitus related bone metabolism and periodontal disease. *International Journal of Oral Science*, **2015**, 7, 63-72	27.9	118
86	FOXO1 differentially regulates both normal and diabetic wound healing. *Journal of Cell Biology*, **2015**, 209, 289-303	7.3	52
85	FOXO1 deletion reduces dendritic cell function and enhances susceptibility to periodontitis. *American Journal of Pathology*, **2015**, 185, 1085-93	5.8	30
84	Clopidogrel Enhances Mesenchymal Stem Cell Proliferation Following Periodontitis. *Journal of Dental Research*, **2015**, 94, 1691-7	8.1	4
83	Diabetes and Its Effect on Bone and Fracture Healing. *Current Osteoporosis Reports*, **2015**, 13, 327-35	5.4	209
82	Foxo1 inhibits diabetic mucosal wound healing but enhances healing of normoglycemic wounds. *Diabetes*, **2015**, 64, 243-56	0.9	32

81	Osteoblast Lineage Cells Play an Essential Role in Periodontal Bone Loss Through Activation of Nuclear Factor-Kappa B. *Scientific Reports*, **2015**, 5, 16694	4.9	49
80	Impact of Diabetes on the Protective Role of FOXO1 in Wound Healing. *Journal of Dental Research*, **2015**, 94, 1025-6	8.1	13
79	The enduring importance of animal models in understanding periodontal disease. *Virulence*, **2015**, 6, 229-35	4.7	40
78	Diabetes reduces mesenchymal stem cells in fracture healing through a TNF□mediated mechanism. *Diabetologia*, **2015**, 58, 633-642	10.3	62
77	FOXO1 differentially regulates both normal and diabetic wound healing. *Journal of Experimental Medicine*, **2015**, 212, 2125OIA30	16.6	
76	Clopidogrel enhances periodontal repair in rats through decreased inflammation. *Journal of Clinical Periodontology*, **2014**, 41, 295-302	7.7	13
75	Periodontal disease as a complication of diabetes mellitus **2014**, 121-141		1
74	Wnt4 signaling prevents skeletal aging and inflammation by inhibiting nuclear factor-□. *Nature Medicine*, **2014**, 20, 1009-17	50.5	142
73	Effect of bacteria on the wound healing behavior of oral epithelial cells. *PLoS ONE*, **2014**, 9, e89475	3.7	29
72	FOXO1, TGF-□regulation and wound healing. *International Journal of Molecular Sciences*, **2014**, 15, 16257-69	2.9	75
71	FOXO transcription factors: their clinical significance and regulation. *BioMed Research International*, **2014**, 2014, 925350	3	210
70	Locally delivered salicylic acid from a poly(anhydride-ester): impact on diabetic bone regeneration. *Journal of Controlled Release*, **2013**, 171, 33-7	11.7	32
69	Bacterial infection increases periodontal bone loss in diabetic rats through enhanced apoptosis. *American Journal of Pathology*, **2013**, 183, 1928-1935	5.8	44
68	Chemokine expression is upregulated in chondrocytes in diabetic fracture healing. *Bone*, **2013**, 53, 294-300	4.7	52
67	Effects of local insulin delivery on subperiosteal angiogenesis and mineralized tissue formation during fracture healing. *Journal of Orthopaedic Research*, **2013**, 31, 783-91	3.8	32
66	FOXO1 promotes wound healing through the up-regulation of TGF-□1 and prevention of oxidative stress. *Journal of Cell Biology*, **2013**, 203, 327-43	7.3	102
65	Abnormal cell responses and role of TNF-□in impaired diabetic wound healing. *BioMed Research International*, **2013**, 2013, 754802	3	108
64	P. gingivalis modulates keratinocytes through FOXO transcription factors. *PLoS ONE*, **2013**, 8, e78541	3.7	26

63	Diabetes aggravates periodontitis by limiting repair through enhanced inflammation. *FASEB Journal*, **2012**, 26, 1423-30	0.9	111
62	A.actinomycetemcomitans-induced periodontal disease promotes systemic and local responses in rat periodontium. *Journal of Clinical Periodontology*, **2012**, 39, 333-41	7.7	15
61	Animal models to study host-bacteria interactions involved in periodontitis. *Frontiers of Oral Biology*, **2012**, 15, 117-32		108
60	Aggregatibacter actinomycetemcomitans infection enhances apoptosis in vivo through a caspase-3-dependent mechanism in experimental periodontitis. *Infection and Immunity*, **2012**, 80, 2247-56	3.7	42
59	Lipid peroxidation is associated with the severity of periodontal disease and local inflammatory markers in patients with type 2 diabetes. *Journal of Clinical Endocrinology and Metabolism*, **2012**, 97, E1353-62	5.6	57
58	Gene expression dynamics during diabetic periodontitis. *Journal of Dental Research*, **2012**, 91, 1160-5	8.1	31
57	Role of forkhead transcription factors in diabetes-induced oxidative stress. *Experimental Diabetes Research*, **2012**, 2012, 939751		129
56	Impact of Diabetes on Fracture Healing. *Journal of Experimental and Clinical Medicine*, **2011**, 3, 3-8		25
55	Inflammation and uncoupling as mechanisms of periodontal bone loss. *Journal of Dental Research*, **2011**, 90, 143-53	8.1	183
54	FOXO1 modulates osteoblast differentiation. *Bone*, **2011**, 48, 1043-51	4.7	57
53	Interaction of oral bacteria with gingival epithelial cell multilayers. *Molecular Oral Microbiology*, **2011**, 26, 210-20	4.6	69
52	Mammalian target of rapamycin complex 2 (mTORC2) negatively regulates Toll-like receptor 4-mediated inflammatory response via FoxO1. *Journal of Biological Chemistry*, **2011**, 286, 44295-305	5.4	115
51	Review of osteoimmunology and the host response in endodontic and periodontal lesions. *Journal of Oral Microbiology*, **2011**, 3,	6.3	197
50	Altered fibroblast proliferation and apoptosis in diabetic gingival wounds. *Journal of Dental Research*, **2010**, 89, 609-14	8.1	69
49	TNF-alpha mediates diabetes-enhanced chondrocyte apoptosis during fracture healing and stimulates chondrocyte apoptosis through FOXO1. *Journal of Bone and Mineral Research*, **2010**, 25, 1604-15	6.3	119
48	FOXO1 plays an essential role in apoptosis of retinal pericytes. *Molecular Vision*, **2010**, 16, 408-15	2.3	47
47	FOXO1 plays an important role in enhanced microvascular cell apoptosis and microvascular cell loss in type 1 and type 2 diabetic rats. *Diabetes*, **2009**, 58, 917-25	0.9	99
46	Comparison of effects of the bisphosphonate alendronate versus the RANKL inhibitor denosumab on murine fracture healing. *Journal of Bone and Mineral Research*, **2009**, 24, 196-208	6.3	156

45	Diabetes causes the accelerated loss of cartilage during fracture repair which is reversed by insulin treatment. *Bone*, **2009**, 44, 357-63	4.7	106
44	High levels of tumor necrosis factor-alpha contribute to accelerated loss of cartilage in diabetic fracture healing. *American Journal of Pathology*, **2009**, 175, 1574-85	5.8	118
43	Cytokines that promote periodontal tissue destruction. *Journal of Periodontology*, **2008**, 79, 1585-91	4.6	415
42	Molecular mechanisms controlling bone formation during fracture healing and distraction osteogenesis. *Journal of Dental Research*, **2008**, 87, 107-18	8.1	482
41	The use of rodent models to investigate host-bacteria interactions related to periodontal diseases. *Journal of Clinical Periodontology*, **2008**, 35, 89-105	7.7	261
40	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. *American Journal of Pathology*, **2008**, 172, 1411-8	5.8	163
39	P. gingivalis and E. coli lipopolysaccharides exhibit different systemic but similar local induction of inflammatory markers. *Journal of Periodontology*, **2008**, 79, 1241-7	4.6	43
38	Inhibition of experimental periodontitis by a topical boron-based antimicrobial. *Journal of Dental Research*, **2008**, 87, 148-52	8.1	53
37	Activation of the acquired immune response reduces coupled bone formation in response to a periodontal pathogen. *Journal of Immunology*, **2008**, 181, 8711-8	5.3	56
36	Diabetic complications and dysregulated innate immunity. *Frontiers in Bioscience - Landmark*, **2008**, 13, 1227-39	2.8	165
35	Diminished bone formation during diabetic fracture healing is related to the premature resorption of cartilage associated with increased osteoclast activity. *Journal of Bone and Mineral Research*, **2007**, 22, 560-8	6.3	174
34	Advanced glycation end products induce apoptosis in fibroblasts through activation of ROS, MAP kinases, and the FOXO1 transcription factor. *American Journal of Physiology - Cell Physiology*, **2007**, 292, C850-6	5.4	110
33	Advanced glycation end products stimulate osteoblast apoptosis via the MAP kinase and cytosolic apoptotic pathways. *Bone*, **2007**, 40, 345-53	4.7	255
32	Diabetes enhances mRNA levels of proapoptotic genes and caspase activity, which contribute to impaired healing. *Diabetes*, **2006**, 55, 487-95	0.9	78
31	Immunization enhances inflammation and tissue destruction in response to Porphyromonas gingivalis. *Infection and Immunity*, **2006**, 74, 2286-92	3.7	25
30	Three-dimensional reconstruction of fracture callus morphogenesis. *Journal of Histochemistry and Cytochemistry*, **2006**, 54, 1215-28	3.4	139
29	Diabetes enhances periodontal bone loss through enhanced resorption and diminished bone formation. *Journal of Dental Research*, **2006**, 85, 510-4	8.1	197
28	Diabetes-enhanced inflammation and apoptosis--impact on periodontal pathology. *Journal of Dental Research*, **2006**, 85, 15-21	8.1	108

27	Tumor necrosis factor-alpha mediates diabetes-enhanced apoptosis of matrix-producing cells and impairs diabetic healing. *American Journal of Pathology*, **2006**, 168, 757-64	5.8	88
26	Porphyromonas gingivalis fimbriae are pro-inflammatory but do not play a prominent role in the innate immune response to P. gingivalis. *Journal of Endotoxin Research*, **2005**, 11, 13-8		15
25	FOXO1 functions as a master switch that regulates gene expression necessary for tumor necrosis factor-induced fibroblast apoptosis. *Journal of Biological Chemistry*, **2005**, 280, 12096-102	5.4	95
24	Inflammation is more persistent in type 1 diabetic mice. *Journal of Dental Research*, **2005**, 84, 324-8	8.1	62
23	Diabetes prolongs the inflammatory response to a bacterial stimulus through cytokine dysregulation. *Journal of Investigative Dermatology*, **2004**, 123, 87-92	4.3	145
22	Diabetes alters the response to bacteria by enhancing fibroblast apoptosis. *Endocrinology*, **2004**, 145, 2997-3003	4.8	52
21	Diabetes causes decreased osteoclastogenesis, reduced bone formation, and enhanced apoptosis of osteoblastic cells in bacteria stimulated bone loss. *Endocrinology*, **2004**, 145, 447-52	4.8	140
20	Evidence that diabetes mellitus aggravates periodontal diseases and modifies the response to an oral pathogen in animal models. *Compendium of Continuing Education in Dentistry (jamesburg, N J: 1995)*, **2004**, 25, 38-45	0.3	8
19	A role for advanced glycation end products in diminished bone healing in type 1 diabetes. *Diabetes*, **2003**, 52, 1502-10	0.9	182
18	Impaired fracture healing in the absence of TNF-alpha signaling: the role of TNF-alpha in endochondral cartilage resorption. *Journal of Bone and Mineral Research*, **2003**, 18, 1584-92	6.3	319
17	Fracture healing as a post-natal developmental process: molecular, spatial, and temporal aspects of its regulation. *Journal of Cellular Biochemistry*, **2003**, 88, 873-84	4.7	940
16	The contribution of interleukin-1 and tumor necrosis factor to periodontal tissue destruction. *Journal of Periodontology*, **2003**, 74, 391-401	4.6	647
15	Diabetes interferes with the bone formation by affecting the expression of transcription factors that regulate osteoblast differentiation. *Endocrinology*, **2003**, 144, 346-52	4.8	245
14	Lipopolysaccharides indirectly stimulate apoptosis and global induction of apoptotic genes in fibroblasts. *Journal of Biological Chemistry*, **2003**, 278, 52901-8	5.4	46
13	Inflammation and tissue loss caused by periodontal pathogens is reduced by interleukin-1 antagonists. *Journal of Infectious Diseases*, **2002**, 186, 511-6	7	109
12	Contribution of interleukin-11 and prostaglandin(s) in lipopolysaccharide-induced bone resorption in vivo. *Infection and Immunity*, **2002**, 70, 3915-22	3.7	33
11	Expression of osteoprotegerin, receptor activator of NF-kappaB ligand (osteoprotegerin ligand) and related proinflammatory cytokines during fracture healing. *Journal of Bone and Mineral Research*, **2001**, 16, 1004-14	6.3	412
10	IL-1 plays a critical role in oral, but not dermal, wound healing. *Journal of Immunology*, **2001**, 167, 5316-20	5.3	80

9	Tumor necrosis factor modulates fibroblast apoptosis, PMN recruitment, and osteoclast formation in response to P. gingivalis infection. *Journal of Dental Research*, **2001**, 80, 1875-9	8.1	106
8	Periodontal disease: bacterial virulence factors, host response and impact on systemic health. *Current Opinion in Infectious Diseases*, **2000**, 13, 227-232	5.4	71
7	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. *Infection and Immunity*, **2000**, 68, 4746-51	3.7	23
6	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. *American Journal of Pathology*, **1999**, 155, 2145-52	5.8	26
5	Interleukin-1 and tumor necrosis factor activities partially account for calvarial bone resorption induced by local injection of lipopolysaccharide. *Infection and Immunity*, **1999**, 67, 4231-6	3.7	143
4	Inflammation-associated lysyl oxidase protein expression in vivo, and modulation by FGF-2 plus IGF-1. *Histochemistry and Cell Biology*, **1998**, 110, 9-14	2.4	23
3	Interleukin-1 and tumor necrosis factor antagonists inhibit the progression of inflammatory cell infiltration toward alveolar bone in experimental periodontitis. *Journal of Periodontology*, **1998**, 69, 1419-25	4.6	141
2	Fibroblasts, mononuclear phagocytes, and endothelial cells express monocyte chemoattractant protein-1 (MCP-1) in inflamed human gingiva. *Journal of Periodontology*, **1995**, 66, 80-8	4.6	61
1	Periodontal Disease and Inflammation-Induced Bone Remodeling237-248		