Dana T Graves

List of Publications by Year
in descending order

133 papers	14,834 citations	17405 63 h-index	19136 118 g-index
138 all docs	138 docs citations	138 times ranked	15223 citing authors

#	Article	IF	Citations
1	Fracture healing as a post-natal developmental process: Molecular, spatial, and temporal aspects of its regulation. Journal of Cellular Biochemistry, 2003, 88, 873-884.	1.2	1,073
2	The Contribution of Interleukin-1 and Tumor Necrosis Factor to Periodontal Tissue Destruction. Journal of Periodontology, 2003, 74, 391-401.	1.7	762
3	Molecular Mechanisms Controlling Bone Formation during Fracture Healing and Distraction Osteogenesis. Journal of Dental Research, 2008, 87, 107-118.	2.5	552
4	Cytokines That Promote Periodontal Tissue Destruction. Journal of Periodontology, 2008, 79, 1585-1591.	1.7	524
5	Expression of Osteoprotegerin, Receptor Activator of NFâ€ºB Ligand (Osteoprotegerin Ligand) and Related Proinflammatory Cytokines During Fracture Healing. Journal of Bone and Mineral Research, 2001, 16, 1004-1014.	3.1	480
6	Impaired Fracture Healing in the Absence of TNF-Î± Signaling: The Role of TNF-Î± in Endochondral Cartilage Resorption. Journal of Bone and Mineral Research, 2003, 18, 1584-1592.	3.1	379
7	Diabetes and Its Effect on Bone and Fracture Healing. Current Osteoporosis Reports, 2015, 13, 327-335.	1.5	342
8	The use of rodent models to investigate hostâ€“bacteria interactions related to periodontal diseases. Journal of Clinical Periodontology, 2008, 35, 89-105.	2.3	311
9	Advanced glycation end products stimulate osteoblast apoptosis via the MAP kinase and cytosolic apoptotic pathways. Bone, 2007, 40, 345-353.	1.4	303
10	Diabetes Interferes with the Bone Formation by Affecting the Expression of Transcription Factors that Regulate Osteoblast Differentiation. Endocrinology, 2003, 144, 346-352.	1.4	292
11	FOXO Transcription Factors: Their Clinical Significance and Regulation. BioMed Research International, 2014, 2014, 1-13.	0.9	273
12	Review of osteoimmunology and the host response in endodontic and periodontal lesions. Journal of Oral Microbiology, 2011, 3, 5304.	1.2	254
13	Diabetes Enhances IL-17 Expression and Alters the Oral Microbiome to Increase Its Pathogenicity. Cell Host and Microbe, 2017, 22, 120-128.e4.	5.1	248
14	Diabetes Enhances Periodontal Bone Loss through Enhanced Resorption and Diminished Bone Formation. Journal of Dental Research, 2006, 85, 510-514.	2.5	230
15	Inflammation and Uncoupling as Mechanisms of Periodontal Bone Loss. Journal of Dental Research, 2011, 90, 143-153.	2.5	222
16	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, 560-568.	3.1	210
17	The Oral Microbiota Is Modified by Systemic Diseases. Journal of Dental Research, 2019, 98, 148-156.	2.5	210
18	A Role for Advanced Glycation End Products in Diminished Bone Healing in Type 1 Diabetes. Diabetes, 2003, 52, 1502-1510.	0.3	207

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19	Diabetic complications and dysregulated innate immunity. Frontiers in Bioscience - Landmark, 2008, 13, 1227.	3.0	199
20	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.	3.1	189
21	Diabetes mellitus related bone metabolism and periodontal disease. International Journal of Oral Science, 2015, 7, 63-72.	3.6	184
22	Diabetes Prolongs the Inflammatory Response to a Bacterial Stimulus Through Cytokine Dysregulation. Journal of Investigative Dermatology, 2004, 123, 87-92.	0.3	182
23	Diabetes-Enhanced Tumor Necrosis Factor-Î± 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, 1411-1418.	1.9	181
24	The impact of diabetes on periodontal diseases. Periodontology 2000, 2020, 82, 214-224.	6.3	176
25	Wnt4 signaling prevents skeletal aging and inflammation by inhibiting nuclear factor-ÎºB. Nature Medicine, 2014, 20, 1009-1017.	15.2	175
26	Three-dimensional Reconstruction of Fracture Callus Morphogenesis. Journal of Histochemistry and Cytochemistry, 2006, 54, 1215-1228.	1.3	164
27	Interleukin-1 and Tumor Necrosis Factor Activities Partially Account for Calvarial Bone Resorption Induced by Local Injection of Lipopolysaccharide. Infection and Immunity, 1999, 67, 4231-4236.	1.0	163
28	Interleukinâ€1 and Tumor Necrosis Factor Antagonists Inhibit the Progression of Inflammatory Cell Infiltration Toward Alveolar Bone in Experimental Periodontitis. Journal of Periodontology, 1998, 69, 1419-1425.	1.7	157
29	Diabetes Causes Decreased Osteoclastogenesis, Reduced Bone Formation, and Enhanced Apoptosis of Osteoblastic Cells in Bacteria Stimulated Bone Loss. Endocrinology, 2004, 145, 447-452.	1.4	156
30	Abnormal Cell Responses and Role of TNF-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M1"><mml:mrow><mml:mi mathvariant="bold-italic">Î±</mml:mi></mml:mrow></mml:math>in Impaired Diabetic Wound Healing. BioMed Research International, 2013, 2013, 1-9.	0.9	152
31	Role of Forkhead Transcription Factors in Diabetes-Induced Oxidative Stress. Experimental Diabetes Research, 2012, 2012, 1-7.	3.8	148
32	Animal Models to Study Host-Bacteria Interactions Involved in Periodontitis. Frontiers of Oral Biology, 2012, 15, 117-132.	1.5	146
33	FOXO1 promotes wound healing through the up-regulation of TGF-Î²1 and prevention of oxidative stress. Journal of Cell Biology, 2013, 203, 327-343.	2.3	142
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-C856.	2.1	141
35	TNF-Î± mediates diabetes-enhanced chondrocyte apoptosis during fracture healing and stimulates chondrocyte apoptosis Through FOXO1. Journal of Bone and Mineral Research, 2010, 25, 1604-1615.	3.1	139
36	High Levels of Tumor Necrosis Factor-Î± Contribute to Accelerated Loss of Cartilage in Diabetic Fracture Healing. American Journal of Pathology, 2009, 175, 1574-1585.	1.9	138

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37	Mammalian Target of Rapamycin Complex 2 (mTORC2) Negatively Regulates Toll-like Receptor 4-mediated Inflammatory Response via FoxO1. Journal of Biological Chemistry, 2011, 286, 44295-44305.	1.6	135
38	Diabetes-enhanced Inflammation and Apoptosisâ€"Impact on Periodontal Pathology. Journal of Dental Research, 2006, 85, 15-21.	2.5	134
39	Diabetes aggravates periodontitis by limiting repair through enhanced inflammation. FASEB Journal, 2012, 26, 1423-1430.	0.2	134
40	Subgingival microbiota dysbiosis in systemic lupus erythematosus: association with periodontal status. Microbiome, 2017, 5, 34.	4.9	132
41	Diabetes causes the accelerated loss of cartilage during fracture repair which is reversed by insulin treatment. Bone, 2009, 44, 357-363.	1.4	124
42	Tumor Necrosis Factor Modulates Fibroblast Apoptosis, PMN Recruitment, and Osteoclast Formation in Response to P. gingivalis Infection. Journal of Dental Research, 2001, 80, 1875-1879.	2.5	123
43	Inflammation and Tissue Loss Caused by Periodontal Pathogens Is Reduced by Interleukinâ€1 Antagonists. Journal of Infectious Diseases, 2002, 186, 511-516.	1.9	123
44	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, 917-925.	0.3	119
45	FOXO1 Functions as a Master Switch That Regulates Gene Expression Necessary for Tumor Necrosis Factor-induced Fibroblast Apoptosis. Journal of Biological Chemistry, 2005, 280, 12096-12102.	1.6	114
46	Cellular and Molecular Aspects of Bone Remodeling. Frontiers of Oral Biology, 2016, 18, 9-16.	1.5	112
47	Tumor Necrosis Factor-Î± Mediates Diabetes-Enhanced Apoptosis of Matrix-Producing Cells and Impairs Diabetic Healing. American Journal of Pathology, 2006, 168, 757-764.	1.9	105
48	Oral microbial dysbiosis linked to worsened periodontal condition in rheumatoid arthritis patients. Scientific Reports, 2019, 9, 8379.	1.6	94
49	FOXO1, TGF-Î² Regulation and Wound Healing. International Journal of Molecular Sciences, 2014, 15, 16257-16269.	1.8	91
50	Mucosal Immunity and the FOXO1 Transcription Factors. Frontiers in Immunology, 2019, 10, 2530.	2.2	90
51	IL-1 Plays a Critical Role in Oral, But Not Dermal, Wound Healing. Journal of Immunology, 2001, 167, 5316-5320.	0.4	88
52	Diabetes reduces mesenchymal stem cells in fracture healing through a TNFÎ±-mediated mechanism. Diabetologia, 2015, 58, 633-642.	2.9	88
53	Altered Fibroblast Proliferation and Apoptosis in Diabetic Gingival Wounds. Journal of Dental Research, 2010, 89, 609-614.	2.5	86
54	Diabetes Enhances mRNA Levels of Proapoptotic Genes and Caspase Activity, Which Contribute to Impaired Healing. Diabetes, 2006, 55, 487-495.	0.3	85

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55	Interaction of oral bacteria with gingival epithelial cell multilayers. Molecular Oral Microbiology, 2011, 26, 210-220.	1.3	83
56	Periodontal disease: bacterial virulence factors, host response and impact on systemic health. Current Opinion in Infectious Diseases, 2000, 13, 227-232.	1.3	82
57	The function of dendritic cells in modulating the host response. Molecular Oral Microbiology, 2018, 33, 13-21.	1.3	79
58	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-E1362.	1.8	76
59	FOXO1 modulates osteoblast differentiation. Bone, 2011, 48, 1043-1051.	1.4	71
60	Fibroblasts, Mononuclear Phagocytes, and Endothelial Cells Express Monocyte Chemoattractant Proteinâ€1 (MCPâ€1) in Inflamed Human Gingiva. Journal of Periodontology, 1995, 66, 80-88.	1.7	70
61	Inhibition of Experimental Periodontitis by a Topical Boron-based Antimicrobial. Journal of Dental Research, 2008, 87, 148-152.	2.5	70
62	Inflammation is More Persistent in Type 1 Diabetic Mice. Journal of Dental Research, 2005, 84, 324-328.	2.5	68
63	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.	1.0	67
64	Effect of Aging on Periodontal Inflammation, Microbial Colonization, and Disease Susceptibility. Journal of Dental Research, 2016, 95, 460-466.	2.5	66
65	FOXO1 differentially regulates both normal and diabetic wound healing. Journal of Cell Biology, 2015, 209, 289-303.	2.3	65
66	Activation of the Acquired Immune Response Reduces Coupled Bone Formation in Response to a Periodontal Pathogen. Journal of Immunology, 2008, 181, 8711-8718.	0.4	64
67	Osteoblast Lineage Cells Play an Essential Role in Periodontal Bone Loss Through Activation of Nuclear Factor-Kappa B. Scientific Reports, 2015, 5, 16694.	1.6	63
68	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.	1.2	63
69	Diabetes Alters the Response to Bacteria by Enhancing Fibroblast Apoptosis. Endocrinology, 2004, 145, 2997-3003.	1.4	62
70	Chemokine expression is upregulated in chondrocytes in diabetic fracture healing. Bone, 2013, 53, 294-300.	1.4	62
71	TNFÎ± contributes to diabetes impaired angiogenesis in fracture healing. Bone, 2017, 99, 26-38.	1.4	61
72	RANKL deletion in periodontal ligament and bone lining cells blocks orthodontic tooth movement. International Journal of Oral Science, 2018, 10, 3.	3.6	61

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73	FOXO1 regulates VEGFA expression and promotes angiogenesis inÂhealing wounds. Journal of Pathology, 2018, 245, 258-264.	2.1	61
74	P. gingivalis and E. coli Lipopolysaccharides Exhibit Different Systemic but Similar Local Induction of Inflammatory Markers. Journal of Periodontology, 2008, 79, 1241-1247.	1.7	59
75	Bacterial Infection Increases Periodontal Bone Loss in Diabetic Rats through Enhanced Apoptosis. American Journal of Pathology, 2013, 183, 1928-1935.	1.9	58
76	Osteocytes play an important role in experimental periodontitis in healthy and diabetic mice through expression of <scp>RANKL</scp>. Journal of Clinical Periodontology, 2018, 45, 285-292.	2.3	57
77	The enduring importance of animal modelsin understanding periodontal disease. Virulence, 2015, 6, 229-235.	1.8	56
78	Bone Remodeling Under Pathological Conditions. Frontiers of Oral Biology, 2016, 18, 17-27.	1.5	54
79	Aggregatibacter actinomycetemcomitans Infection Enhances Apoptosis In Vivo through a Caspase-3-Dependent Mechanism in Experimental Periodontitis. Infection and Immunity, 2012, 80, 2247-2256.	1.0	52
80	Lipopolysaccharides Indirectly Stimulate Apoptosis and Global Induction of Apoptotic Genes in Fibroblasts. Journal of Biological Chemistry, 2003, 278, 52901-52908.	1.6	51
81	FOXO1 plays an essential role in apoptosis of retinal pericytes. Molecular Vision, 2010, 16, 408-15.	1.1	50
82	Diabetes Activates Periodontal Ligament Fibroblasts via NF-Î¹B In Vivo. Journal of Dental Research, 2018, 97, 580-588.	2.5	48
83	FOXO1 Regulates Dendritic Cell Activity through ICAM-1 and CCR7. Journal of Immunology, 2015, 194, 3745-3755.	0.4	45
84	FOXO1 Deletion Reduces Dendritic Cell Function and Enhances Susceptibility to Periodontitis. American Journal of Pathology, 2015, 185, 1085-1093.	1.9	45
85	Diabetic wound healing in soft and hard oral tissues. Translational Research, 2021, 236, 72-86.	2.2	41
86	Locally delivered salicylic acid from a poly(anhydride-ester): Impact on diabetic bone regeneration. Journal of Controlled Release, 2013, 171, 33-37.	4.8	40
87	Gene Expression Dynamics during Diabetic Periodontitis. Journal of Dental Research, 2012, 91, 1160-1165.	2.5	39
88	Effect of Bacteria on the Wound Healing Behavior of Oral Epithelial Cells. PLoS ONE, 2014, 9, e89475.	1.1	38
89	Foxo1 Inhibits Diabetic Mucosal Wound Healing but Enhances Healing of Normoglycemic Wounds. Diabetes, 2015, 64, 243-256.	0.3	38
90	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.	0.5	38

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91	Effects of local insulin delivery on subperiosteal angiogenesis and mineralized tissue formation during fracture healing. Journal of Orthopaedic Research, 2013, 31, 783-791.	1.2	37
92	Depletion of the diabetic gut microbiota resistance enhances stem cells therapy in type 1 diabetes mellitus. Theranostics, 2020, 10, 6500-6516.	4.6	37
93	Contribution of Interleukin-11 and Prostaglandin(s) in Lipopolysaccharide-Induced Bone Resorption In Vivo. Infection and Immunity, 2002, 70, 3915-3922.	1.0	36
94	FOXO1 Regulates Bacteria-Induced Neutrophil Activity. Frontiers in Immunology, 2017, 8, 1088.	2.2	35
95	IFT80 Is Required for Fracture Healing Through Controlling the Regulation of TGFâ€Î² Signaling in Chondrocyte Differentiation and Function. Journal of Bone and Mineral Research, 2020, 35, 571-582.	3.1	35
96	NF-ÎºB Has a Direct Role in Inhibiting Bmp- and Wnt-Induced Matrix Protein Expression. Journal of Bone and Mineral Research, 2016, 31, 52-64.	3.1	33
97	P. gingivalis Modulates Keratinocytes through FOXO Transcription Factors. PLoS ONE, 2013, 8, e78541.	1.1	32
98	FOXO1 Mediates RANKL-Induced Osteoclast Formation and Activity. Journal of Immunology, 2015, 194, 2878-2887.	0.4	30
99	FOXO1 Deletion Reverses the Effect of Diabetic-Induced Impaired Fracture Healing. Diabetes, 2018, 67, 2682-2694.	0.3	30
100	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, 2145-2152.	1.9	29
101	Impact of Diabetes on Fracture Healing. Journal of Experimental and Clinical Medicine, 2011, 3, 3-8.	0.2	29
102	Diabetes-Induced NF-ÎºB Dysregulation in Skeletal Stem Cells Prevents Resolution of Inflammation. Diabetes, 2019, 68, 2095-2106.	0.3	28
103	Immunization Enhances Inflammation and Tissue Destruction in Response to Porphyromonas gingivalis. Infection and Immunity, 2006, 74, 2286-2292.	1.0	26
104	FOXO1 deletion in keratinocytes improves diabetic wound healing through MMP9 regulation. Scientific Reports, 2017, 7, 10565.	1.6	26
105	Inflammation-associated lysyl oxidase protein expression in vivo, and modulation by FGF-2 plus IGF-1. Histochemistry and Cell Biology, 1998, 110, 9-14.	0.8	25
106	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, 4746-4751.	1.0	25
107	Keratinocyte Function in Normal and Diabetic Wounds and Modulation by FOXO1. Journal of Diabetes Research, 2020, 2020, 1-9.	1.0	25
108	<scp>NOD</scp>1 in the modulation of hostâ€“microbe interactions and inflammatory bone resorption in the periodontal disease model. Immunology, 2016, 149, 374-385.	2.0	23

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109	Chondrocytes Promote Vascularization in Fracture Healing Through a FOXO1-Dependent Mechanism. Journal of Bone and Mineral Research, 2019, 34, 547-556.	3.1	23
110	NF-Î²B perturbation reveals unique immunomodulatory functions in Prx1 ⁺ fibroblasts that promote development of atopic dermatitis. Science Translational Medicine, 2022, 14, eabj0324.	5.8	22
111	Impact of Diabetes on the Protective Role of FOXO1 in Wound Healing. Journal of Dental Research, 2015, 94, 1025-1026.	2.5	21
112	The Interrelationship Between Diabetes, IL-17 and Bone Loss. Current Osteoporosis Reports, 2020, 18, 23-31.	1.5	21
113	Role of Primary Cilia in Bone and Cartilage. Journal of Dental Research, 2022, 101, 253-260.	2.5	21
114	Clopidogrel enhances periodontal repair in rats through decreased inflammation. Journal of Clinical Periodontology, 2014, 41, 295-302.	2.3	20
115	Role of NOD2 and RIP2 in hostâ€“microbe interactions with Gram-negative bacteria: insights from the periodontal disease model. Innate Immunity, 2016, 22, 598-611.	1.1	18
116	FOXO1 expression in keratinocytes promotes connective tissue healing. Scientific Reports, 2017, 7, 42834.	1.6	18
117	<I>Porphyromonas gingivalis</I> fimbriae are pro-inflammatory but do not play a prominent role in the innate immune response to <I>P. gingivalis</I>. Journal of Endotoxin Research, 2005, 11, 13-18.	2.5	16
118	A.actinomycetemcomitansâ€induced periodontal disease promotes systemic and local responses in rat periodontium. Journal of Clinical Periodontology, 2012, 39, 333-341.	2.3	16
119	Deletion of FOXO1 in chondrocytes rescues the effect of diabetes on mechanical strength in fracture healing. Bone, 2019, 123, 159-167.	1.4	12
120	Diabetes impairs fracture healing through disruption of cilia formation in osteoblasts. Bone, 2021, 153, 116176.	1.4	12
121	Clopidogrel Enhances Mesenchymal Stem Cell Proliferation Following Periodontitis. Journal of Dental Research, 2015, 94, 1691-1697.	2.5	8
122	Establishment of oral bacterial communities in germâ€free mice and the influence of recipient age. Molecular Oral Microbiology, 2018, 33, 38-46.	1.3	8
123	Cigarette Smoke Exposure Inhibits Osteoclast Apoptosis via the mtROS Pathway. Journal of Dental Research, 2021, 100, 1378-1386.	2.5	8
124	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.	0.1	8
125	Sustained, localized salicylic acid delivery enhances diabetic bone regeneration via prolonged mitigation of inflammation. Journal of Biomedical Materials Research - Part A, 2016, 104, 2595-2603.	2.1	7
126	Methotrexate promotes recovery of arthritis-induced alveolar bone loss and modifies the composition of the oral-gut microbiota. Anaerobe, 2022, 75, 102577.	1.0	6

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127	Pyk2 contributes to reepithelialization by promoting MMP expression. Focus on â€œDelayed skin wound repair in proline-rich protein tyrosine kinase 2 knockout miceâ€. American Journal of Physiology - Cell Physiology, 2014, 306, C887-C888.	2.1	5
128	FOXO1 expression in chondrocytes modulates cartilage production and removal in fracture healing. Bone, 2021, 148, 115905.	1.4	5
129	Impact of Diabetes on Periodontal Disease. , 2016, , 95-112.		2
130	Salicylic Acid Polymers in Periodontal Tissue Healing. , 2020, , 43-53.		2
131	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	1
132	FOXO1 differentially regulates both normal and diabetic wound healing. Journal of Experimental Medicine, 2015, 212, 2125OIA30.	4.2	0
133	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.	0.0	0