

Thomas E Van Dyke

List of Publications by Citations

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89
papers

8,524
citations

45
h-index

92
g-index

96
ext. papers

9,921
ext. citations

6.5
avg, IF

6.67
L-index

#	Paper	IF	Citations
89	Resolving inflammation: dual anti-inflammatory and pro-resolution lipid mediators. <i>Nature Reviews Immunology</i> , 2008 , 8, 349-61	36.5	2096
88	Resolvin E1 regulates inflammation at the cellular and tissue level and restores tissue homeostasis in vivo. <i>Journal of Immunology</i> , 2007 , 179, 7021-9	5.3	330
87	Reduced inflammation and tissue damage in transgenic rabbits overexpressing 15-lipoxygenase and endogenous anti-inflammatory lipid mediators. <i>Journal of Immunology</i> , 2003 , 171, 6856-65	5.3	330
86	Apoptotic neutrophils and T cells sequester chemokines during immune response resolution through modulation of CCR5 expression. <i>Nature Immunology</i> , 2006 , 7, 1209-16	19.1	279
85	Periodontitis: a host-mediated disruption of microbial homeostasis. Unlearning learned concepts. <i>Periodontology 2000</i> , 2013 , 62, 203-17	12.9	269
84	Periodontal disease is associated with brachial artery endothelial dysfunction and systemic inflammation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2003 , 23, 1245-9	9.4	267
83	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
82	Natural resolution of inflammation. <i>Periodontology 2000</i> , 2013 , 63, 149-64	12.9	198
81	Risk factors for periodontitis. <i>Journal of the International Academy of Periodontology</i> , 2005 , 7, 3-7	0.9	195
80	Neutrophil-mediated tissue injury in periodontal disease pathogenesis: findings from localized aggressive periodontitis. <i>Journal of Periodontology</i> , 2003 , 74, 66-75	4.6	192
79	Periodontal health and gingival diseases and conditions on an intact and a reduced periodontium: Consensus report of workgroup 1 of the 2017 World Workshop on the Classification of Periodontal and Peri-Implant Diseases and Conditions. <i>Journal of Periodontology</i> , 2018 , 89 Suppl 1, S74-S84	4.6	191
78	The American Journal of Cardiology and Journal of Periodontology editorsSconsensus: periodontitis and atherosclerotic cardiovascular disease. <i>Journal of Periodontology</i> , 2009 , 80, 1021-32	4.6	188
77	Resolvin E1 receptor activation signals phosphorylation and phagocytosis. <i>Journal of Biological Chemistry</i> , 2010 , 285, 3451-61	5.4	187
76	Lipoxin A(4) analogues inhibit leukocyte recruitment to Porphyromonas gingivalis: a role for cyclooxygenase-2 and lipoxins in periodontal disease. <i>Biochemistry</i> , 2000 , 39, 4761-8	3.2	177
75	The management of inflammation in periodontal disease. <i>Journal of Periodontology</i> , 2008 , 79, 1601-8	4.6	164
74	The American Journal of Cardiology and Journal of Periodontology EditorsSConsensus: periodontitis and atherosclerotic cardiovascular disease. <i>American Journal of Cardiology</i> , 2009 , 104, 59-68	3	162
73	The role of the microbiota in periodontal disease. <i>Periodontology 2000</i> , 2020 , 83, 14-25	12.9	136

72	Adjunctive treatment of chronic periodontitis with daily dietary supplementation with omega-3 Fatty acids and low-dose aspirin. <i>Journal of Periodontology</i> , 2010 , 81, 1635-43	4.6	125
71	Resolvin E1 (RvE1) Attenuates Atherosclerotic Plaque Formation in Diet and Inflammation-Induced Atherogenesis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015 , 35, 1123-33	9.4	122
70	Role for periodontitis in the progression of lipid deposition in an animal model. <i>Infection and Immunity</i> , 2003 , 71, 6012-8	3.7	120
69	Oral infections and cardiovascular disease. <i>Trends in Endocrinology and Metabolism</i> , 2015 , 26, 315-21	8.8	118
68	The role of the host response in periodontal disease progression: implications for future treatment strategies. <i>Journal of Periodontology</i> , 1993 , 64, 792-806	4.6	116
67	Prevention: Reducing the risk of CVD in patients with periodontitis. <i>Nature Reviews Cardiology</i> , 2010 , 7, 479-80	14.8	110
66	Neutrophil defects as risk factors for periodontal diseases. <i>Journal of Periodontology</i> , 1994 , 65, 521-9	4.6	110
65	Oral inflammatory diseases and systemic inflammation: role of the macrophage. <i>Frontiers in Immunology</i> , 2012 , 3, 118	8.4	108
64	Impaired phagocytosis in localized aggressive periodontitis: rescue by Resolvin E1. <i>PLoS ONE</i> , 2011 , 6, e24422	3.7	108
63	Resolvin E1 Reverses Experimental Periodontitis and Dysbiosis. <i>Journal of Immunology</i> , 2016 , 197, 2796-806	9.6	91
62	Genetic polymorphisms of the IL-1alpha and IL-1beta genes in African-American LJP patients and an African-American control population. <i>Journal of Periodontology</i> , 2000 , 71, 723-8	4.6	91
61	Resolvin E1 and chemokine-like receptor 1 mediate bone preservation. <i>Journal of Immunology</i> , 2013 , 190, 689-94	5.3	86
60	The Nexus Between Periodontal Inflammation and Dysbiosis. <i>Frontiers in Immunology</i> , 2020 , 11, 511	8.4	84
59	The role of inflammation and genetics in periodontal disease. <i>Periodontology 2000</i> , 2020 , 83, 26-39	12.9	82
58	Infection and inflammatory mechanisms. <i>Journal of Clinical Periodontology</i> , 2013 , 40 Suppl 14, S1-7	7.7	82
57	Pro-resolving mediators in the regulation of periodontal disease. <i>Molecular Aspects of Medicine</i> , 2017 , 58, 21-36	16.7	71
56	Animal models for periodontal regeneration and peri-implant responses. <i>Periodontology 2000</i> , 2015 , 68, 66-82	12.9	68
55	Cloning and characterization of human TNF alpha promoter region. <i>Gene</i> , 1993 , 131, 307-8	3.8	65

54	Infection and inflammatory mechanisms. <i>Journal of Periodontology</i> , 2013 , 84, S1-7	4.6	64
53	Control of inflammation and periodontitis. <i>Periodontology 2000</i> , 2007 , 45, 158-66	12.9	62
52	Impact of resolvin E1 on murine neutrophil phagocytosis in type 2 diabetes. <i>Infection and Immunity</i> , 2015 , 83, 792-801	3.7	61
51	Neutrophil Resolvin E1 Receptor Expression and Function in Type 2 Diabetes. <i>Journal of Immunology</i> , 2017 , 198, 718-728	5.3	56
50	Paradigm shift in the pharmacological management of periodontal diseases. <i>Frontiers of Oral Biology</i> , 2012 , 15, 160-76		52
49	Clinical characteristics and microbiota of progressing slight chronic periodontitis in adults. <i>Journal of Clinical Periodontology</i> , 2007 , 34, 917-30	7.7	52
48	Maresin 1 Biosynthesis and Proresolving Anti-infective Functions with Human-Localized Aggressive Periodontitis Leukocytes. <i>Infection and Immunity</i> , 2015 , 84, 658-65	3.7	49
47	Proresolving lipid mediators: potential for prevention and treatment of periodontitis. <i>Journal of Clinical Periodontology</i> , 2011 , 38 Suppl 11, 119-25	7.7	49
46	Combination oxycodone 5 mg/ibuprofen 400 mg for the treatment of postoperative pain: a double-blind, placebo- and active-controlled parallel-group study. <i>Clinical Therapeutics</i> , 2004 , 26, 2003-14	2.5	46
45	Inflammation and factors that may regulate inflammatory response. <i>Journal of Periodontology</i> , 2008 , 79, 1503-7	4.6	43
44	Omega-3 Fatty Acids Effects on Inflammatory Biomarkers and Lipid Profiles among Diabetic and Cardiovascular Disease Patients: A Systematic Review and Meta-Analysis. <i>Scientific Reports</i> , 2019 , 9, 18867	4.9	40
43	Resolvin E1 regulates osteoclast fusion via DC-STAMP and NFATc1. <i>FASEB Journal</i> , 2013 , 27, 3344-53	0.9	39
42	Inflammation and periodontal diseases: a reappraisal. <i>Journal of Periodontology</i> , 2008 , 79, 1501-2	4.6	34
41	Understanding resolution of inflammation in periodontal diseases: Is chronic inflammatory periodontitis a failure to resolve?. <i>Periodontology 2000</i> , 2020 , 82, 205-213	12.9	34
40	Resolvin D2 Restrains Th1 Immunity and Prevents Alveolar Bone Loss in Murine Periodontitis. <i>Frontiers in Immunology</i> , 2018 , 9, 785	8.4	33
39	ERV1 Overexpression in Myeloid Cells Protects against High Fat Diet Induced Obesity and Glucose Intolerance. <i>Scientific Reports</i> , 2017 , 7, 12848	4.9	25
38	Resolvin D2 Induces Resolution of Periapical Inflammation and Promotes Healing of Periapical Lesions in Rat Periapical Periodontitis. <i>Frontiers in Immunology</i> , 2019 , 10, 307	8.4	25
37	LXA4 actions direct fibroblast function and wound closure. <i>Biochemical and Biophysical Research Communications</i> , 2015 , 464, 1072-1077	3.4	22

36	Cellular and molecular susceptibility determinants for periodontitis. <i>Periodontology 2000</i> , 2007 , 45, 10-312.9	2.2	22
35	Maresin-1 and Resolvin E1 Promote Regenerative Properties of Periodontal Ligament Stem Cells Under Inflammatory Conditions. <i>Frontiers in Immunology</i> , 2020 , 11, 585530	8.4	20
34	Commentary: periodontitis is characterized by an immuno-inflammatory host-mediated destruction of bone and connective tissues that support the teeth. <i>Journal of Periodontology</i> , 2014 , 85, 509-11	4.6	19
33	Therapeutic Targets for Management of Periodontitis and Diabetes. <i>Current Pharmaceutical Design</i> , 2016 , 22, 2216-2237	3.3	19
32	Function of Pro-Resolving Lipid Mediator Resolvin E1 in Type 2 Diabetes. <i>Critical Reviews in Immunology</i> , 2018 , 38, 343-365	1.8	16
31	Shifting the paradigm from inhibitors of inflammation to resolvers of inflammation in periodontitis. <i>Journal of Periodontology</i> , 2020 , 91 Suppl 1, S19-S25	4.6	15
30	Cytoskeletal actin reorganization in neutrophils from patients with localized juvenile periodontitis. <i>Journal of Periodontology</i> , 1998 , 69, 209-18	4.6	13
29	Therapeutic Targets for Management of Periodontitis and Diabetes. <i>Current Pharmaceutical Design</i> , 2016 , 22, 2216-37	3.3	12
28	Distinct Profiles of Specialized Pro-resolving Lipid Mediators and Corresponding Receptor Gene Expression in Periodontal Inflammation. <i>Frontiers in Immunology</i> , 2020 , 11, 1307	8.4	11
27	Intracanal delivery of Resolvin E1 controls inflammation in necrotic immature rat teeth. <i>Journal of Endodontics</i> , 2014 , 40, 678-82	4.7	11
26	Effect of topical cimetidine rinse on gingival crevicular neutrophil leukocyte function. <i>Journal of Periodontology</i> , 2005 , 76, 998-1005	4.6	10
25	Safety and Preliminary Efficacy of a Novel Host-Modulatory Therapy for Reducing Gingival Inflammation. <i>Frontiers in Immunology</i> , 2021 , 12, 704163	8.4	10
24	Blocking proinflammatory cytokine release modulates peripheral blood mononuclear cell response to <i>Porphyromonas gingivalis</i> . <i>Journal of Periodontology</i> , 2013 , 84, 1337-45	4.6	9
23	Role of suppressors of cytokine signaling 3 in bone inflammatory responses. <i>Frontiers in Immunology</i> , 2014 , 4, 506	8.4	9
22	Alternative splicing generates a diacylglycerol kinase β transcript that acts as a dominant-negative modulator of superoxide production in localized aggressive periodontitis. <i>Journal of Periodontology</i> , 2014 , 85, 934-43	4.6	7
21	Resolution of inflammation-unraveling mechanistic links between periodontitis and cardiovascular disease. <i>Journal of Dentistry</i> , 2009 , 37, S582-3	4.8	7
20	Identification and characterization of a novel adiponectin receptor agonist adipo anti-inflammation agonist and its anti-inflammatory effects in vitro and in vivo. <i>British Journal of Pharmacology</i> , 2021 , 178, 280-297	8.6	6
19	Fibromyalgia and periodontitis: Bidirectional associations in population-based 15-year retrospective cohorts. <i>Journal of Periodontology</i> , 2021 ,	4.6	6

18	Dental plaque microbial profiles of children from Khartoum, Sudan, with congenital heart defects. <i>Journal of Oral Microbiology</i> , 2017 , 9, 1281556	6.3	5
17	Enamel matrix derivative promotes superoxide production and chemotaxis but reduces matrix metalloproteinase-8 expression by polymorphonuclear leukocytes. <i>Journal of Periodontology</i> , 2012 , 83, 780-6	4.6	5
16	Lack of p47(phox) in Akita Diabetic Mice Is Associated with Interstitial Pneumonia, Fibrosis, and Oral Inflammation. <i>American Journal of Pathology</i> , 2016 , 186, 659-70	5.8	4
15	The impact of genotypes and immune reactivity on peri-implant inflammation: Identification and therapeutic use of anti-inflammatory drugs and immunomodulators. <i>European Journal of Oral Implantology</i> , 2012 , 5 Suppl, S51-60		4
14	Periodontitis: a host mediated disruption of microbial homeostasis. <i>Current Oral Health Reports</i> , 2020 , 7, 3-11	1.2	2
13	Systems medicine and periodontal diseases 2020 , 249-282		2
12	Subgingival Microbiome and Specialized Pro-Resolving Lipid Mediator Pathway Profiles Are Correlated in Periodontal Inflammation. <i>Frontiers in Immunology</i> , 2021 , 12, 691216	8.4	2
11	A novel adiponectin receptor agonist (AdipoAI) ameliorates type 2 diabetes-associated periodontitis by enhancing autophagy in osteoclasts.. <i>Journal of Periodontal Research</i> , 2022 ,	4.3	1
10	Transcriptomics of type 2 diabetic and healthy human neutrophils. <i>BMC Immunology</i> , 2021 , 22, 37	3.7	1
9	The oral/dental/craniofacial complex as a model for inflammatory disease. <i>Compendium of Continuing Education in Dentistry (Jamesburg, N J: 1995)</i> , 2002 , 23, 465-8, 470, 472 passim; quiz 476	0.3	1
8	TLR2 and TLR4 Differentially Regulate the Osteogenic Capacity of Human Periodontal Ligament Fibroblasts. <i>Journal of the International Academy of Periodontology</i> , 2021 , 23, 3-10	0.9	0
7	Osteogenic effects of microRNA-335-5p/lipidoid nanoparticles coated on titanium surface. <i>Archives of Oral Biology</i> , 2021 , 129, 105207	2.8	0
6	Identification and Characterization of a Novel Long Noncoding RNA that Regulates Osteogenesis in Diet-Induced Obesity Mice.. <i>Frontiers in Cell and Developmental Biology</i> , 2022 , 10, 832460	5.7	0
5	Thwarting host immune responses in periodontal disease. <i>Trends in Microbiology</i> , 1998 , 6, 88-9	12.4	
4	Resolvins in Periodontal Tissue Homeostasis (Emerging Therapies) 2020 , 31-41		
3	Inflammation and Bone Destruction: Pathogenesis and Therapeutic Intervention 2020 , 122-135		
2	Immediate Implant Stability and Function: Biomechanics and Electron Microscopy 2012 , 376-382		
1	Immediate Implant Stability and Function: A Minipig Model and Surgical Technique 2012 , 387-392		

