

# Thomas E Van Dyke

## List of Publications by Year in descending order

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94  
papers

11,343  
citations

41258

49  
h-index

48187

88  
g-index

96  
all docs

96  
docs citations

96  
times ranked

12075  
citing authors

#	ARTICLE	IF	CITATIONS
1	Resolving inflammation: dual anti-inflammatory and pro-resolution lipid mediators. <i>Nature Reviews Immunology</i> , 2008, 8, 349-361.	10.6	2,492
2	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, S74-S84.	1.7	469
3	Resolvin E1 Regulates Inflammation at the Cellular and Tissue Level and Restores Tissue Homeostasis In Vivo. <i>Journal of Immunology</i> , 2007, 179, 7021-7029.	0.4	392
4	Reduced Inflammation and Tissue Damage in Transgenic Rabbits Overexpressing 15-Lipoxygenase and Endogenous Anti-inflammatory Lipid Mediators. <i>Journal of Immunology</i> , 2003, 171, 6856-6865.	0.4	364
5	Periodontitis: a host-mediated disruption of microbial homeostasis. Unlearning learned concepts. <i>Periodontology</i> 2000, 2013, 62, 203-217.	6.3	356
6	Apoptotic neutrophils and T cells sequester chemokines during immune response resolution through modulation of CCR5 expression. <i>Nature Immunology</i> , 2006, 7, 1209-1216.	7.0	331
7	The role of the microbiota in periodontal disease. <i>Periodontology</i> 2000, 2020, 83, 14-25.	6.3	330
8	The use of rodent models to investigate host-bacteria interactions related to periodontal diseases. <i>Journal of Clinical Periodontology</i> , 2008, 35, 89-105.	2.3	311
9	Periodontal Disease Is Associated With Brachial Artery Endothelial Dysfunction and Systemic Inflammation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2003, 23, 1245-1249.	1.1	309
10	Natural resolution of inflammation. <i>Periodontology</i> 2000, 2013, 63, 149-164.	6.3	271
11	The role of inflammation and genetics in periodontal disease. <i>Periodontology</i> 2000, 2020, 83, 26-39.	6.3	242
12	Resolvin E1 Receptor Activation Signals Phosphorylation and Phagocytosis. <i>Journal of Biological Chemistry</i> , 2010, 285, 3451-3461.	1.6	234
13	<i>The American Journal of Cardiology</i> and <i>Journal of Periodontology</i> Editors' Consensus: Periodontitis and Atherosclerotic Cardiovascular Disease. <i>Journal of Periodontology</i> , 2009, 80, 1021-1032.	1.7	221
14	Neutrophil-Mediated Tissue Injury in Periodontal Disease Pathogenesis: Findings from Localized Aggressive Periodontitis. <i>Journal of Periodontology</i> , 2003, 74, 66-75.	1.7	219
15	Risk factors for periodontitis. <i>Journal of the International Academy of Periodontology</i> , 2005, 7, 3-7.	0.7	215
16	The Management of Inflammation in Periodontal Disease. <i>Journal of Periodontology</i> , 2008, 79, 1601-1608.	1.7	203
17	The American Journal of Cardiology and Journal of Periodontology Editors' Consensus: Periodontitis and Atherosclerotic Cardiovascular Disease—Published simultaneously in the <i>Journal of Periodontology</i> , the Official Journal of the American Academy of Periodontology.. <i>American Journal of Cardiology</i> , 2009, 104, 59-68.	0.7	196
18	Lipoxin A4 Analogues Inhibit Leukocyte Recruitment to <i>Porphyromonas gingivalis</i> : A Role for Cyclooxygenase-2 and Lipoxins in Periodontal Disease. <i>Biochemistry</i> , 2000, 39, 4761-4768.	1.2	191

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19	The Nexus Between Periodontal Inflammation and Dysbiosis. <i>Frontiers in Immunology</i> , 2020, 11, 511.	2.2	188
20	Resolvin E1 (RvE1) Attenuates Atherosclerotic Plaque Formation in Diet and Inflammation-Induced Atherogenesis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015, 35, 1123-1133.	1.1	171
21	Oral infections and cardiovascular disease. <i>Trends in Endocrinology and Metabolism</i> , 2015, 26, 315-321.	3.1	161
22	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, 1635-1643.	1.7	154
23	Role for Periodontitis in the Progression of Lipid Deposition in an Animal Model. <i>Infection and Immunity</i> , 2003, 71, 6012-6018.	1.0	150
24	Reducing the risk of CVD in patients with periodontitis. <i>Nature Reviews Cardiology</i> , 2010, 7, 479-480.	6.1	145
25	Oral Inflammatory Diseases and Systemic Inflammation: Role of the Macrophage. <i>Frontiers in Immunology</i> , 2012, 3, 118.	2.2	143
26	The Role of the Host Response in Periodontal Disease Progression: Implications for Future Treatment Strategies. <i>Journal of Periodontology</i> , 1993, 64, 792-806.	1.7	142
27	Impaired Phagocytosis in Localized Aggressive Periodontitis: Rescue by Resolvin E1. <i>PLoS ONE</i> , 2011, 6, e24422.	1.1	129
28	Resolvin E1 Reverses Experimental Periodontitis and Dysbiosis. <i>Journal of Immunology</i> , 2016, 197, 2796-2806.	0.4	128
29	Neutrophil Defects as Risk Factors for Periodontal Diseases. <i>Journal of Periodontology</i> , 1994, 65, 521-529.	1.7	122
30	Pro-resolving mediators in the regulation of periodontal disease. <i>Molecular Aspects of Medicine</i> , 2017, 58, 21-36.	2.7	116
31	Resolvin E1 and Chemokine-like Receptor 1 Mediate Bone Preservation. <i>Journal of Immunology</i> , 2013, 190, 689-694.	0.4	115
32	Infection and inflammatory mechanisms. <i>Journal of Periodontology</i> , 2013, 84, S1-S7.	1.7	114
33	An appraisal of the role of specific bacteria in the initial pathogenesis of periodontitis. <i>Journal of Clinical Periodontology</i> , 2019, 46, 6-11.	2.3	113
34	Infection and inflammatory mechanisms. <i>Journal of Clinical Periodontology</i> , 2013, 40, S1-7.	2.3	110
35	Genetic Polymorphisms of the IL-1 $\alpha$ and IL-1 $\beta$ Genes in African-American LJP Patients and an African-American Control Population. <i>Journal of Periodontology</i> , 2000, 71, 723-728.	1.7	93
36	Animal models for periodontal regeneration and peri-implant responses. <i>Periodontology 2000</i> , 2015, 68, 66-82.	6.3	90

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37	Impact of Resolvin E1 on Murine Neutrophil Phagocytosis in Type 2 Diabetes. <i>Infection and Immunity</i> , 2015, 83, 792-801.	1.0	80
38	Understanding resolution of inflammation in periodontal diseases: Is chronic inflammatory periodontitis a failure to resolve?. <i>Periodontology 2000</i> , 2020, 82, 205-213.	6.3	77
39	Cloning and characterization of human TNF $\alpha$ promoter region. <i>Gene</i> , 1993, 131, 307-308.	1.0	76
40	Control of inflammation and periodontitis. <i>Periodontology 2000</i> , 2007, 45, 158-166.	6.3	76
41	Maresin 1 Biosynthesis and Proresolving Anti-infective Functions with Human-Localized Aggressive Periodontitis Leukocytes. <i>Infection and Immunity</i> , 2016, 84, 658-665.	1.0	72
42	Neutrophil Resolvin E1 Receptor Expression and Function in Type 2 Diabetes. <i>Journal of Immunology</i> , 2017, 198, 718-728.	0.4	69
43	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.	1.6	68
44	Clinical characteristics and microbiota of progressing slight chronic periodontitis in adults. <i>Journal of Clinical Periodontology</i> , 2007, 34, 917-930.	2.3	65
45	Inflammation and Factors That May Regulate Inflammatory Response. <i>Journal of Periodontology</i> , 2008, 79, 1503-1507.	1.7	64
46	Proresolving lipid mediators: potential for prevention and treatment of periodontitis. <i>Journal of Clinical Periodontology</i> , 2011, 38, 119-125.	2.3	61
47	Paradigm Shift in the Pharmacological Management of Periodontal Diseases. <i>Frontiers of Oral Biology</i> , 2012, 15, 160-176.	1.5	59
48	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, 2003-2014.	1.1	53
49	Resolvin D2 Restrains Th1 Immunity and Prevents Alveolar Bone Loss in Murine Periodontitis. <i>Frontiers in Immunology</i> , 2018, 9, 785.	2.2	53
50	Resolvin E1 regulates osteoclast fusion via DC $\alpha$ STAMP and NFATc1. <i>FASEB Journal</i> , 2013, 27, 3344-3353.	0.2	47
51	Maresin-1 and Resolvin E1 Promote Regenerative Properties of Periodontal Ligament Stem Cells Under Inflammatory Conditions. <i>Frontiers in Immunology</i> , 2020, 11, 585530.	2.2	46
52	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.	2.2	45
53	Inflammation and Periodontal Diseases: A Reappraisal. <i>Journal of Periodontology</i> , 2008, 79, 1501-1502.	1.7	44
54	Shifting the paradigm from inhibitors of inflammation to resolvers of inflammation in periodontitis. <i>Journal of Periodontology</i> , 2020, 91, S19-S25.	1.7	37

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55	ERV1 Overexpression in Myeloid Cells Protects against High Fat Diet Induced Obesity and Glucose Intolerance. <i>Scientific Reports</i> , 2017, 7, 12848.	1.6	36
56	Function of Pro-Resolving Lipid Mediator Resolvin E1 in Type 2 Diabetes. <i>Critical Reviews in Immunology</i> , 2018, 38, 343-365.	1.0	32
57	Cellular and molecular susceptibility determinants for periodontitis. <i>Periodontology 2000</i> , 2007, 45, 10-13.	6.3	31
58	Distinct Profiles of Specialized Pro-resolving Lipid Mediators and Corresponding Receptor Gene Expression in Periodontal Inflammation. <i>Frontiers in Immunology</i> , 2020, 11, 1307.	2.2	31
59	Guest editorial: the etiology and pathogenesis of periodontitis revisited. <i>Journal of Applied Oral Science</i> , 2009, 17, .	0.7	30
60	LXA4 actions direct fibroblast function and wound closure. <i>Biochemical and Biophysical Research Communications</i> , 2015, 464, 1072-1077.	1.0	29
61	Safety and Preliminary Efficacy of a Novel Host-Modulatory Therapy for Reducing Gingival Inflammation. <i>Frontiers in Immunology</i> , 2021, 12, 704163.	2.2	29
62	Fibromyalgia and periodontitis: Bidirectional associations in population-based 15-year retrospective cohorts. <i>Journal of Periodontology</i> , 2022, 93, 877-887.	1.7	28
63	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, 509-511.	1.7	24
64	Therapeutic Targets for Management of Periodontitis and Diabetes. <i>Current Pharmaceutical Design</i> , 2016, 22, 2216-2237.	0.9	22
65	Identification and characterization of a novel adiponectin receptor agonist adipo anti-inflammatory effects in vitro and in vivo. <i>British Journal of Pharmacology</i> , 2021, 178, 280-297.	2.7	22
66	Intracanal Delivery of Resolvin E1 Controls Inflammation in Necrotic Immature Rat Teeth. <i>Journal of Endodontics</i> , 2014, 40, 678-682.	1.4	17
67	Role of Suppressors of Cytokine Signaling 3 in Bone Inflammatory Responses. <i>Frontiers in Immunology</i> , 2014, 4, 506.	2.2	15
68	Subgingival Microbiome and Specialized Pro-Resolving Lipid Mediator Pathway Profiles Are Correlated in Periodontal Inflammation. <i>Frontiers in Immunology</i> , 2021, 12, 691216.	2.2	15
69	Cytoskeletal Actin Reorganization in Neutrophils From Patients With Localized Juvenile Periodontitis. <i>Journal of Periodontology</i> , 1998, 69, 209-218.	1.7	14
70	The Periodontal Pathogen <i>Fusobacterium nucleatum</i> Exacerbates Alzheimer's Pathogenesis via Specific Pathways. <i>Frontiers in Aging Neuroscience</i> , 0, 14, .	1.7	14
71	Therapeutic Targets for Management of Periodontitis and Diabetes. <i>Current Pharmaceutical Design</i> , 2016, 22, 2216-37.	0.9	13
72	Periodontitis: a Host-Mediated Disruption of Microbial Homeostasis. <i>Current Oral Health Reports</i> , 2020, 7, 3-11.	0.5	12

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73	Resolution of inflammation-unraveling mechanistic links between periodontitis and cardiovascular disease. <i>Journal of Dentistry</i> , 2009, 37, S582-S583.	1.7	11
74	Blocking Proinflammatory Cytokine Release Modulates Peripheral Blood Mononuclear Cell Response to <i>Porphyromonas gingivalis</i> . <i>Journal of Periodontology</i> , 2013, 84, 1337-1345.	1.7	11
75	Transcriptomics of type 2 diabetic and healthy human neutrophils. <i>BMC Immunology</i> , 2021, 22, 37.	0.9	11
76	Effect of Topical Cimetidine Rinse on Gingival Crevicular Neutrophil Leukocyte Function. <i>Journal of Periodontology</i> , 2005, 76, 998-1005.	1.7	10
77	Enamel Matrix Derivative Promotes Superoxide Production and Chemotaxis but Reduces Matrix Metalloproteinase-8 Expression by Polymorphonuclear Leukocytes. <i>Journal of Periodontology</i> , 2012, 83, 780-786.	1.7	8
78	Unraveling the Link Between Periodontitis and Cardiovascular Disease. <i>Journal of the American Heart Association</i> , 2013, 2, e000657.	1.6	8
79	Dental plaque microbial profiles of children from Khartoum, Sudan, with congenital heart defects. <i>Journal of Oral Microbiology</i> , 2017, 9, 1281556.	1.2	8
80	A novel adiponectin receptor agonist (AdipoAI) ameliorates type 2 diabetes-associated periodontitis by enhancing autophagy in osteoclasts.. <i>Journal of Periodontal Research</i> , 2022, 57, 381-391.	1.4	8
81	Alternative Splicing Generates a Diacylglycerol Kinase $\beta$ Transcript That Acts as a Dominant-Negative Modulator of Superoxide Production in Localized Aggressive Periodontitis. <i>Journal of Periodontology</i> , 2014, 85, 934-943.	1.7	7
82	Lack of p47phox in Akita Diabetic Mice Is Associated with Interstitial Pneumonia, Fibrosis, and Oral Inflammation. <i>American Journal of Pathology</i> , 2016, 186, 659-670.	1.9	6
83	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.	1.3	4
84	Potential Mechanisms by Which Hydroxyeicosapentaenoic Acids Regulate Glucose Homeostasis in Obesity. <i>Advances in Nutrition</i> , 2022, 13, 2316-2328.	2.9	4
85	Osteogenic effects of microRNA-335-5p/lipidoid nanoparticles coated on titanium surface. <i>Archives of Oral Biology</i> , 2021, 129, 105207.	0.8	3
86	Systems medicine and periodontal diseases. , 2020, , 249-282.		2
87	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.	1.8	2
88	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.	0.7	1
89	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.	0.1	1
90	Thwarting host immune responses in periodontal disease. <i>Trends in Microbiology</i> , 1998, 6, 88-89.	3.5	0

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91	Immediate Implant Stability and Function: Biomechanics and Electron Microscopy. , 2012, , 376-382.		0
92	Immediate Implant Stability and Function: A Minipig Model and Surgical Technique. , 2012, , 387-392.		0
93	Inflammation and Bone Destruction: Pathogenesis and Therapeutic Intervention. , 2020, , 122-135.		0
94	Resolvins in Periodontal Tissue Homeostasis (Emerging Therapies). , 2020, , 31-41.		0