

# Ryan Demmer

## List of Publications by Year in descending order

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124  
papers

4,865  
citations

126907

33  
h-index

110387

64  
g-index

127  
all docs

127  
docs citations

127  
times ranked

6464  
citing authors

#	ARTICLE	IF	CITATIONS
1	Scientific evidence on the links between periodontal diseases and diabetes: Consensus report and guidelines of the joint workshop on periodontal diseases and diabetes by the International Diabetes Federation and the European Federation of Periodontology. <i>Journal of Clinical Periodontology</i> , 2018, 45, 138-149.	4.9	384
2	Relationship Between Periodontal Disease, Tooth Loss, and Carotid Artery Plaque. <i>Stroke</i> , 2003, 34, 2120-2125.	2.0	346
3	Periodontal Disease and Incident Type 2 Diabetes. <i>Diabetes Care</i> , 2008, 31, 1373-1379.	8.6	274
4	Periodontal Status and A1C Change. <i>Diabetes Care</i> , 2010, 33, 1037-1043.	8.6	179
5	Scientific evidence on the links between periodontal diseases and diabetes: Consensus report and guidelines of the joint workshop on periodontal diseases and diabetes by the International diabetes Federation and the European Federation of Periodontology. <i>Diabetes Research and Clinical Practice</i> , 2018, 137, 231-241.	2.8	173
6	Reporting guidelines for human microbiome research: the STORMS checklist. <i>Nature Medicine</i> , 2021, 27, 1885-1892.	30.7	170
7	Periodontal infections and cardiovascular disease. <i>Journal of the American Dental Association</i> , 2006, 137, S14-S20.	1.5	163
8	The weathering hypothesis as an explanation for racial disparities in health: a systematic review. <i>Annals of Epidemiology</i> , 2019, 33, 1-18.e3.	1.9	162
9	Transcriptomes in Healthy and Diseased Gingival Tissues. <i>Journal of Periodontology</i> , 2008, 79, 2112-2124.	3.4	156
10	Gender Differences in the Relationship Between Periodontal Disease, Tooth Loss, and Atherosclerosis. <i>Stroke</i> , 2004, 35, 2029-2035.	2.0	140
11	Periodontal disease, tooth loss and incident rheumatoid arthritis: results from the First National Health and Nutrition Examination Survey and its epidemiological follow-up study. <i>Journal of Clinical Periodontology</i> , 2011, 38, 998-1006.	4.9	115
12	The Influence of Type 1 and Type 2 Diabetes on Periodontal Disease Progression. <i>Diabetes Care</i> , 2012, 35, 2036-2042.	8.6	108
13	Periodontal Infection, Systemic Inflammation, and Insulin Resistance. <i>Diabetes Care</i> , 2012, 35, 2235-2242.	8.6	103
14	The Influence of Anti-Infective Periodontal Treatment on C-Reactive Protein: A Systematic Review and Meta-Analysis of Randomized Controlled Trials. <i>PLoS ONE</i> , 2013, 8, e77441.	2.5	100
15	Heterogeneity of systemic inflammatory responses to periodontal therapy. <i>Journal of Clinical Periodontology</i> , 2009, 36, 287-294.	4.9	99
16	The subgingival microbiome, systemic inflammation and insulin resistance: The Oral Infections, Glucose Intolerance and Insulin Resistance Study. <i>Journal of Clinical Periodontology</i> , 2017, 44, 255-265.	4.9	84
17	Cerebrovascular disease in the era of left ventricular assist devices with continuous flow: Risk factors, diagnosis, and treatment. <i>Journal of Heart and Lung Transplantation</i> , 2014, 33, 878-887.	0.6	75
18	Sex Differences in the Association Between Depression, Anxiety, and Type 2 Diabetes Mellitus. <i>Psychosomatic Medicine</i> , 2015, 77, 467-477.	2.0	66

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19	Gut microbiota, endotoxemia, inflammation, and oxidative stress in patients with heart failure, left ventricular assist device, and transplant. <i>Journal of Heart and Lung Transplantation</i> , 2020, 39, 880-890.	0.6	65
20	Epidemiology and Clinical Features of Human Coronaviruses in the Pediatric Population. <i>Journal of the Pediatric Infectious Diseases Society</i> , 2018, 7, 151-158.	1.3	63
21	The severity of human peri-implantitis lesions correlates with the level of submucosal microbial dysbiosis. <i>Journal of Clinical Periodontology</i> , 2018, 45, 1498-1509.	4.9	60
22	Refining exposure definitions for studies of periodontal disease and systemic disease associations. <i>Community Dentistry and Oral Epidemiology</i> , 2008, 36, 493-502.	1.9	56
23	Association of dietary patterns with the gut microbiota in older, community-dwelling men. <i>American Journal of Clinical Nutrition</i> , 2019, 110, 1003-1014.	4.7	55
24	Periodontal infection, impaired fasting glucose and impaired glucose tolerance: results from the Continuous National Health and Nutrition Examination Survey 2009-2010. <i>Journal of Clinical Periodontology</i> , 2014, 41, 643-652.	4.9	52
25	Use and performance of machine learning models for type 2 diabetes prediction in community settings: A systematic review and meta-analysis. <i>International Journal of Medical Informatics</i> , 2020, 143, 104268.	3.3	52
26	Use of selective serotonin reuptake inhibitors and bone mass in adolescents: An NHANES study. <i>Bone</i> , 2015, 78, 28-33.	2.9	50
27	The relationship between carotid intima-media thickness and carotid plaque in the Northern Manhattan Study. <i>Atherosclerosis</i> , 2015, 241, 364-370.	0.8	47
28	Implantable Cardioverter-Defibrillators in Patients With a Continuous-Flow Left Ventricular Assist Device. <i>JACC: Heart Failure</i> , 2017, 5, 916-926.	4.1	47
29	Venous Congestion, Endothelial and Neurohormonal Activation in Acute Decompensated Heart Failure: Cause or Effect?. <i>Current Heart Failure Reports</i> , 2015, 12, 215-222.	3.3	46
30	The Effects of Glucosamine and Chondroitin Sulfate on Gut Microbial Composition: A Systematic Review of Evidence from Animal and Human Studies. <i>Nutrients</i> , 2019, 11, 294.	4.1	43
31	Association Between Nitrate-Reducing Oral Bacteria and Cardiometabolic Outcomes: Results From ORIGINS. <i>Journal of the American Heart Association</i> , 2019, 8, e013324.	3.7	43
32	Oral and Gut Microbial Diversity and Immune Regulation in Patients with HIV on Antiretroviral Therapy. <i>MSphere</i> , 2020, 5, .	2.9	41
33	Bleeding on probing differentially relates to bacterial profiles: the Oral Infections and Vascular Disease Epidemiology Study. <i>Journal of Clinical Periodontology</i> , 2008, 35, 479-486.	4.9	40
34	Incident Hospitalization with Major Cardiovascular Diseases and Subsequent Risk of ESKD: Implications for Cardiorenal Syndrome. <i>Journal of the American Society of Nephrology: JASN</i> , 2020, 31, 405-414.	6.1	39
35	Association of Stimulant Medication Use With Bone Mass in Children and Adolescents With Attention-Deficit/Hyperactivity Disorder. <i>JAMA Pediatrics</i> , 2016, 170, e162804.	6.2	38
36	Seasonality and clinical impact of human parainfluenza viruses. <i>Influenza and Other Respiratory Viruses</i> , 2018, 12, 706-716.	3.4	36

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37	Soluble CD146 Is a Novel Marker of Systemic Congestion in Heart Failure Patients: An Experimental Mechanistic and Transcardiac Clinical Study. <i>Clinical Chemistry</i> , 2017, 63, 386-393.	3.2	34
38	Periodontal disease and incident dementia. <i>Neurology</i> , 2020, 95, e1660-e1671.	1.1	34
39	Association between anthropometric measures of obesity and subclinical atherosclerosis in Bangladesh. <i>Atherosclerosis</i> , 2014, 232, 234-241.	0.8	33
40	Periodontal microbiota and phospholipases: The Oral Infections and Vascular Disease Epidemiology Study (INVEST). <i>Atherosclerosis</i> , 2015, 242, 418-423.	0.8	31
41	The role of implantable cardioverter defibrillators in patients bridged to transplantation with a continuous-flow left ventricular assist device: A propensity score matched analysis. <i>Journal of Heart and Lung Transplantation</i> , 2017, 36, 633-639.	0.6	30
42	Evaluating clinical periodontal measures as surrogates for bacterial exposure: The Oral Infections and Vascular Disease Epidemiology Study (INVEST). <i>BMC Medical Research Methodology</i> , 2010, 10, 2.	3.1	29
43	Association Between Serum Antibodies to Periodontal Bacteria and Rheumatoid Factor in the Third National Health and Nutrition Examination Survey. <i>Arthritis and Rheumatology</i> , 2016, 68, 2384-2393.	5.6	29
44	Association of Impaired Glucose Regulation and Insulin Resistance With Cardiac Structure and Function. <i>Circulation: Cardiovascular Imaging</i> , 2016, 9, .	2.6	29
45	Interaction between arsenic exposure from drinking water and genetic susceptibility in carotid intima-media thickness in Bangladesh. <i>Toxicology and Applied Pharmacology</i> , 2014, 276, 195-203.	2.8	27
46	The Human Salivary Antimicrobial Peptide Profile according to the Oral Microbiota in Health, Periodontitis and Smoking. <i>Journal of Innate Immunity</i> , 2019, 11, 432-444.	3.8	27
47	Predictors of survival and ability to wean from short-term mechanical circulatory support device following acute myocardial infarction complicated by cardiogenic shock. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2018, 7, 755-765.	1.0	26
48	A combined strategy of feature selection and machine learning to identify predictors of prediabetes. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2020, 27, 396-406.	4.4	26
49	Racial Disparities in Cardiovascular Health Behaviors: The Coronary Artery Risk Development in Young Adults Study. <i>American Journal of Preventive Medicine</i> , 2018, 55, 63-71.	3.0	25
50	Association between physical inactivity and health-related quality of life in adults with coronary heart disease. <i>Maturitas</i> , 2019, 128, 36-42.	2.4	24
51	Scientific evidence on the links between periodontal diseases and diabetes: consensus report and guidelines of the joint workshop on periodontal diseases and diabetes by the international Diabetes Federation (IDF) and the European Federation of Periodontology. <i>Journal of Clinical Periodontology</i> , 2018, 45, 138.	4.9	24
52	Limited usefulness of endoscopic evaluation in patients with continuous-flow left ventricular assist devices and gastrointestinal bleeding. <i>Journal of Heart and Lung Transplantation</i> , 2018, 37, 723-732.	0.6	23
53	Cystatin C- Versus Creatinine-Based Assessment of Renal Function and Prediction of Early Outcomes Among Patients With a Left Ventricular Assist Device. <i>Circulation: Heart Failure</i> , 2020, 13, e006326.	3.9	22
54	Plasma Trimethylamine-N-oxide and impaired glucose regulation: Results from The Oral Infections, Glucose Intolerance and Insulin Resistance Study (ORIGINS). <i>PLoS ONE</i> , 2020, 15, e0227482.	2.5	22

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55	Association between Serum Folate and Insulin Resistance among U.S. Nondiabetic Adults. <i>Scientific Reports</i> , 2017, 7, 9187.	3.3	21
56	Prognostic value of vasoactive-inotropic score following continuous flow left ventricular assist device implantation. <i>Journal of Heart and Lung Transplantation</i> , 2019, 38, 930-938.	0.6	21
57	Outcomes Associated with Obesity in Patients Undergoing Left Ventricular Assist Device Implantation: A Systematic Review and Meta-Analysis. <i>ASAIO Journal</i> , 2020, 66, 401-408.	1.6	21
58	Prognostic implications of serial outpatient blood pressure measurements in patients with an axial continuous-flow left ventricular assist device. <i>Journal of Heart and Lung Transplantation</i> , 2019, 38, 396-405.	0.6	20
59	Zero-inflated Poisson factor model with application to microbiome read counts. <i>Biometrics</i> , 2021, 77, 91-101.	1.4	19
60	Outpatient and inpatient anticoagulation therapy and the risk for hospital admission and death among COVID-19 patients. <i>EClinicalMedicine</i> , 2021, 41, 101139.	7.1	19
61	Adolescent Obesity Is an Independent Risk Factor for Sensorineural Hearing Loss: Results From the National Health and Nutrition Examination Survey 2005 to 2010. <i>Otology and Neurotology</i> , 2018, 39, 1102-1108.	1.3	18
62	Clinical notes as prognostic markers of mortality associated with diabetes mellitus following critical care: A retrospective cohort analysis using machine learning and unstructured big data. <i>Computers in Biology and Medicine</i> , 2021, 132, 104305.	7.0	18
63	Periodontal Infection and Cardiorespiratory Fitness in Younger Adults: Results from Continuous National Health and Nutrition Examination Survey 1999-2004. <i>PLoS ONE</i> , 2014, 9, e92441.	2.5	16
64	Usefulness of a standard automated blood pressure monitor in patients with continuous-flow left ventricular assist devices. <i>Journal of Heart and Lung Transplantation</i> , 2015, 34, 1633-1635.	0.6	15
65	Depressive Symptoms, Antidepressant Use, and Hypertension in Young Adulthood. <i>Epidemiology</i> , 2018, 29, 547-555.	2.7	15
66	Apolipoprotein E Gene Polymorphism and Subclinical Carotid Atherosclerosis: The Northern Manhattan Study. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2018, 27, 645-652.	1.6	15
67	Joint effects of serum vitamin D insufficiency and periodontitis on insulin resistance, pre-diabetes, and type 2 diabetes: results from the National Health and Nutrition Examination Survey (NHANES) 2009-2010. <i>BMJ Open Diabetes Research and Care</i> , 2018, 6, e000535.	2.8	15
68	Gut microbial diversity, inflammation, and oxidative stress are associated with tacrolimus dosing requirements early after heart transplantation. <i>PLoS ONE</i> , 2020, 15, e0233646.	2.5	15
69	Levels of Trimethylamine N-Oxide Remain Elevated Long Term After Left Ventricular Assist Device and Heart Transplantation and Are Independent From Measures of Inflammation and Gut Dysbiosis. <i>Circulation: Heart Failure</i> , 2021, 14, e007909.	3.9	14
70	SARS-CoV-2 seroprevalence among healthcare workers. <i>PLoS ONE</i> , 2022, 17, e0266410.	2.5	14
71	Association between betel quid chewing and carotid intima-media thickness in rural Bangladesh. <i>International Journal of Epidemiology</i> , 2014, 43, 1174-1182.	1.9	13
72	Major dietary patterns and carotid intima-media thickness in Bangladesh. <i>Public Health Nutrition</i> , 2016, 19, 218-229.	2.2	13

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73	Temporal and spatial associations between influenza and asthma hospitalisations in New York City from 2002 to 2012: a longitudinal ecological study. <i>BMJ Open</i> , 2018, 8, e020362.	1.9	13
74	Left Ventricular Assist Device Implantation in Hypertrophic and Restrictive Cardiomyopathy: A Systematic Review. <i>ASAIO Journal</i> , 2021, 67, 239-244.	1.6	13
75	Identification of Natural SARS-CoV-2 Infection in Seroprevalence Studies Among Vaccinated Populations. <i>Mayo Clinic Proceedings</i> , 2022, 97, 754-760.	3.0	13
76	The association between coeliac disease and periodontitis: Results from NHANES 2009-2012. <i>Journal of Clinical Periodontology</i> , 2018, 45, 303-310.	4.9	12
77	Obesity and Outcomes Following Cardiogenic Shock Requiring Acute Mechanical Circulatory Support. <i>Circulation: Heart Failure</i> , 2021, 14, e007937.	3.9	12
78	Periodontitis and Risk of Diabetes in the Atherosclerosis Risk In Communities (ARIC) Study: A BMI-Modified Association. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, e3546-e3558.	3.6	12
79	Circulating Microbiota in Cardiometabolic Disease. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, 892232.	3.9	12
80	Anxiety disorders and risk of self-reported ulcer: a 10-year longitudinal study among US adults. <i>General Hospital Psychiatry</i> , 2014, 36, 674-679.	2.4	11
81	Discriminatory performance of positive urine hemoglobin for detection of significant hemolysis in patients with continuous-flow left ventricular assist devices. <i>Journal of Heart and Lung Transplantation</i> , 2017, 36, 59-63.	0.6	11
82	The inverse association between a fish consumption biomarker and gingival inflammation and periodontitis: A population-based study. <i>Journal of Clinical Periodontology</i> , 2022, 49, 353-361.	4.9	11
83	Non-invasive measurement of peripheral, central and 24-hour blood pressure in patients with continuous-flow left ventricular assist device. <i>Journal of Heart and Lung Transplantation</i> , 2017, 36, 694-697.	0.6	10
84	Nitrite Generating and Depleting Capacity of the Oral Microbiome and Cardiometabolic Risk: Results from ORIGINS. <i>Journal of the American Heart Association</i> , 2022, 11, e023038.	3.7	10
85	Peripheral venous congestion causes time- and dose-dependent release of endothelin-1 in humans. <i>Physiological Reports</i> , 2017, 5, e13118.	1.7	9
86	Citizenship Status and Prevalence of Diagnosed and Undiagnosed Hypertension and Diabetes Among Adults in the U.S., 2011-2016. <i>Diabetes Care</i> , 2021, 44, e38-e39.	8.6	9
87	Severe acute respiratory coronavirus virus 2 (SARS-CoV-2) screening among symptom-free healthcare workers. <i>Infection Control and Hospital Epidemiology</i> , 2022, 43, 657-660.	1.8	9
88	Association of preoperative infections, nasal <i>Staphylococcus aureus</i> colonization and gut microbiota with left ventricular assist device outcomes. <i>European Journal of Heart Failure</i> , 2021, 23, 1404-1415.	7.1	9
89	Impaired glucose regulation, SARS-CoV-2 infections and adverse COVID-19 outcomes. <i>Translational Research</i> , 2022, 241, 52-69.	5.0	8
90	Proteomic profiling identifies novel proteins for genetic risk of severe COVID-19: the Atherosclerosis Risk in Communities Study. <i>Human Molecular Genetics</i> , 2022, 31, 2452-2461.	2.9	8

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91	Nutritional markers of undiagnosed type 2 diabetes in adults: Findings of a machine learning analysis with external validation and benchmarking. <i>PLoS ONE</i> , 2021, 16, e0250832.	2.5	7
92	Circulating Microbial Signatures and Cardiovascular Death in Patients With ESRD. <i>Kidney International Reports</i> , 2021, 6, 2617-2628.	0.8	7
93	Early microbial markers of periodontal and cardiometabolic diseases in ORIGINS. <i>Npj Biofilms and Microbiomes</i> , 2022, 8, 30.	6.4	7
94	Differential Expression and Functional Analysis of High-Throughput -Omics Data Using Open Source Tools. <i>Methods in Molecular Biology</i> , 2017, 1537, 327-345.	0.9	6
95	Association between number of children and carotid intima-media thickness in Bangladesh. <i>PLoS ONE</i> , 2018, 13, e0208148.	2.5	6
96	Meta-Analysis Comparing Risk for Adverse Outcomes After Left Ventricular Assist Device Implantation in Patients With Versus Without Diabetes Mellitus. <i>American Journal of Cardiology</i> , 2019, 124, 1918-1923.	1.6	6
97	Diet quality and periodontal disease: Results from the oral infections, glucose intolerance and insulin resistance study (ORIGINS). <i>Journal of Clinical Periodontology</i> , 2021, 48, 638-647.	4.9	6
98	The association between socioeconomic status and subclinical atherosclerosis in a rural Bangladesh population. <i>Preventive Medicine</i> , 2017, 102, 6-11.	3.4	5
99	On the Communicability of Chronic Diseases. <i>Annals of Internal Medicine</i> , 2018, 168, 69.	3.9	5
100	The prospective association between periodontal disease and brain imaging outcomes: The Atherosclerosis Risk in Communities study. <i>Journal of Clinical Periodontology</i> , 2022, 49, 322-334.	4.9	5
101	Do socioeconomic disparities in stroke and its consequences decrease in older age?. <i>European Journal of Public Health</i> , 2016, 26, 799-804.	0.3	4
102	Periodontal diseases and carotid intima-media thickness in Bangladesh. <i>Journal of Clinical Periodontology</i> , 2016, 43, 909-917.	4.9	4
103	Presence of Intracardiac Thrombus at the Time of Left Ventricular Assist Device Implantation Is Associated With an Increased Risk of Stroke and Death. <i>Journal of Cardiac Failure</i> , 2021, 27, 1367-1373.	1.7	4
104	Cytomegalovirus infection in malignant pleural mesothelioma. <i>PLoS ONE</i> , 2021, 16, e0254136.	2.5	4
105	Bioinformatics Techniques in Microarray Research: Applied Microarray Data Analysis Using R and SAS Software. <i>Methods in Molecular Biology</i> , 2010, 666, 395-417.	0.9	4
106	A data-driven biocomputing pipeline with meta-analysis on high throughput transcriptomics to identify genome-wide miRNA markers associated with type 2 diabetes. <i>Heliyon</i> , 2022, 8, e08886.	3.2	4
107	Causality of anthropometric markers associated with polycystic ovarian syndrome: Findings of a Mendelian randomization study. <i>PLoS ONE</i> , 2022, 17, e0269191.	2.5	4
108	Invited Commentary: The Microbiome and Population Health—Considerations for Enhancing Study Design and Data Analysis in Observational and Interventional Epidemiology. <i>American Journal of Epidemiology</i> , 2018, 187, 1291-1294.	3.4	3

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109	Hospitalization With Major Infection and Incidence of End-Stage Renal Disease: The Atherosclerosis Risk in Communities (ARIC) Study. Mayo Clinic Proceedings, 2020, 95, 1928-1939.	3.0	3
110	Cataloging the Bloomberg era: New York City legislation relevant to cardiovascular risk factors. Cities and Health, 2017, 1, 125-138.	2.6	2
111	Periodontal disease measures and risk of incident peripheral artery disease: The Atherosclerosis Risk in Communities (ARIC) Study. Journal of Periodontology, 2022, 93, 943-953.	3.4	2
112	SARS-CoV-2 Seroprevalence Survey in Grocery Store Workersâ€”Minnesota, 2020â€”2021. International Journal of Environmental Research and Public Health, 2022, 19, 3501.	2.6	2
113	Diabetes Prevalence Among Youth. JAMA - Journal of the American Medical Association, 2014, 312, 1153.	7.4	1
114	Assessing the Relationship Between Nitrate-Reducing Capacity of the Oral Microbiome and Systemic Outcomes. Methods in Molecular Biology, 2021, 2327, 139-160.	0.9	1
115	Association of Differential Leukocyte Count With Incident Abdominal Aortic Aneurysm Over 22.5 Years: The ARIC Study. Arteriosclerosis, Thrombosis, and Vascular Biology, 2021, 41, 2342-2351.	2.4	1
116	Cardiovascular disease risk factors among transgender women in Chiang Mai, Thailand. American Journal of Cardiovascular Disease, 2020, 10, 124-130.	0.5	1
117	Serum Î²-carotene concentrations are associated with self-reported fatty acid intake in United States adults from the National Health and Examination Surveys. Lipids, 2022, 57, 163-171.	1.7	1
118	Abstract 13993: Soluble CD146 is a Marker of Peripheral Congestion in Global Heart Failure Patients. Circulation, 2015, 132, .	1.6	0
119	Title is missing!. , 2020, 15, e0227482.		0
120	Title is missing!. , 2020, 15, e0227482.		0
121	Title is missing!. , 2020, 15, e0227482.		0
122	Title is missing!. , 2020, 15, e0227482.		0
123	Title is missing!. , 2020, 15, e0227482.		0
124	Title is missing!. , 2020, 15, e0227482.		0