

# Ryan Demmer

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

115  
papers

3,037  
citations

27  
h-index

52  
g-index

127  
ext. papers

4,007  
ext. citations

5.8  
avg, IF

5.2  
L-index

#	Paper	IF	Citations
115	Relationship between periodontal disease, tooth loss, and carotid artery plaque: the Oral Infections and Vascular Disease Epidemiology Study (INVEST). <i>Stroke</i> , <b>2003</b> , 34, 2120-5	6.7	292
114	Periodontal disease and incident type 2 diabetes: results from the First National Health and Nutrition Examination Survey and its epidemiologic follow-up study. <i>Diabetes Care</i> , <b>2008</b> , 31, 1373-9	14.6	212
113	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> , <b>2010</b> , 45, 133-146	7.7	209
112	Periodontal infections and cardiovascular disease: the heart of the matter. <i>Journal of the American Dental Association</i> , <b>2006</b> , 137 Suppl, 14S-20S; quiz 38S	1.9	137
111	Periodontal status and A1C change: longitudinal results from the study of health in Pomerania (SHIP). <i>Diabetes Care</i> , <b>2010</b> , 33, 1037-43	14.6	136
110	Gender differences in the relationship between periodontal disease, tooth loss, and atherosclerosis. <i>Stroke</i> , <b>2004</b> , 35, 2029-35	6.7	122
109	Transcriptomes in healthy and diseased gingival tissues. <i>Journal of Periodontology</i> , <b>2008</b> , 79, 2112-24	4.6	117
108	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> , <b>2010</b> , 137, 231-241	7.4	98
107	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> , <b>2011</b> , 38, 998-1006	7.7	92
106	Heterogeneity of systemic inflammatory responses to periodontal therapy. <i>Journal of Clinical Periodontology</i> , <b>2009</b> , 36, 287-94	7.7	88
105	The influence of type 1 and type 2 diabetes on periodontal disease progression: prospective results from the Study of Health in Pomerania (SHIP). <i>Diabetes Care</i> , <b>2012</b> , 35, 2036-42	14.6	76
104	Periodontal infection, systemic inflammation, and insulin resistance: results from the continuous National Health and Nutrition Examination Survey (NHANES) 1999-2004. <i>Diabetes Care</i> , <b>2012</b> , 35, 2235-42	14.6	70
103	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> , <b>2013</b> , 8, e77441	3.7	69
102	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> , <b>2014</b> , 33, 878-87	5.8	63
101	The weathering hypothesis as an explanation for racial disparities in health: a systematic review. <i>Annals of Epidemiology</i> , <b>2019</b> , 33, 1-18.e3	6.4	58
100	The subgingival microbiome, systemic inflammation and insulin resistance: The Oral Infections, Glucose Intolerance and Insulin Resistance Study. <i>Journal of Clinical Periodontology</i> , <b>2017</b> , 44, 255-265	7.7	52
99	Sex differences in the association between depression, anxiety, and type 2 diabetes mellitus. <i>Psychosomatic Medicine</i> , <b>2015</b> , 77, 467-77	3.7	47

98	Refining exposure definitions for studies of periodontal disease and systemic disease associations. <i>Community Dentistry and Oral Epidemiology</i> , <b>2008</b> , 36, 493-502	2.8	46
97	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> , <b>2014</b> , 41, 643-52	7.7	44
96	Epidemiology and Clinical Features of Human Coronaviruses in the Pediatric Population. <i>Journal of the Pediatric Infectious Diseases Society</i> , <b>2018</b> , 7, 151-158	4.8	42
95	The relationship between carotid intima-media thickness and carotid plaque in the Northern Manhattan Study. <i>Atherosclerosis</i> , <b>2015</b> , 241, 364-70	3.1	40
94	Use of selective serotonin reuptake inhibitors and bone mass in adolescents: An NHANES study. <i>Bone</i> , <b>2015</b> , 78, 28-33	4.7	37
93	Bleeding on probing differentially relates to bacterial profiles: the Oral Infections and Vascular Disease Epidemiology Study. <i>Journal of Clinical Periodontology</i> , <b>2008</b> , 35, 479-86	7.7	37
92	The severity of human peri-implantitis lesions correlates with the level of submucosal microbial dysbiosis. <i>Journal of Clinical Periodontology</i> , <b>2018</b> , 45, 1498-1509	7.7	36
91	Association of dietary patterns with the gut microbiota in older, community-dwelling men. <i>American Journal of Clinical Nutrition</i> , <b>2019</b> , 110, 1003-1014	7	34
90	Venous congestion, endothelial and neurohormonal activation in acute decompensated heart failure: cause or effect?. <i>Current Heart Failure Reports</i> , <b>2015</b> , 12, 215-22	2.8	32
89	Implantable Cardioverter-Defibrillators in Patients With a Continuous-Flow Left Ventricular Assist Device: An Analysis of the INTERMACS Registry. <i>JACC: Heart Failure</i> , <b>2017</b> , 5, 916-926	7.9	27
88	Association between anthropometric measures of obesity and subclinical atherosclerosis in Bangladesh. <i>Atherosclerosis</i> , <b>2014</b> , 232, 234-41	3.1	26
87	Soluble CD146 Is a Novel Marker of Systemic Congestion in Heart Failure Patients: An Experimental Mechanistic and Transcardiac Clinical Study. <i>Clinical Chemistry</i> , <b>2017</b> , 63, 386-393	5.5	25
86	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> , <b>2017</b> , 36, 633-639	5.8	24
85	Interaction between arsenic exposure from drinking water and genetic susceptibility in carotid intima-media thickness in Bangladesh. <i>Toxicology and Applied Pharmacology</i> , <b>2014</b> , 276, 195-203	4.6	24
84	Periodontal microbiota and phospholipases: the Oral Infections and Vascular Disease Epidemiology Study (INVEST). <i>Atherosclerosis</i> , <b>2015</b> , 242, 418-23	3.1	23
83	The Effects of Glucosamine and Chondroitin Sulfate on Gut Microbial Composition: A Systematic Review of Evidence from Animal and Human Studies. <i>Nutrients</i> , <b>2019</b> , 11,	6.7	21
82	Association Between Serum Antibodies to Periodontal Bacteria and Rheumatoid Factor in the Third National Health and Nutrition Examination Survey. <i>Arthritis and Rheumatology</i> , <b>2016</b> , 68, 2384-93	9.5	21
81	Association Between Nitrate-Reducing Oral Bacteria and Cardiometabolic Outcomes: Results From ORIGINS. <i>Journal of the American Heart Association</i> , <b>2019</b> , 8, e013324	6	21

80	Evaluating clinical periodontal measures as surrogates for bacterial exposure: the Oral Infections and Vascular Disease Epidemiology Study (INVEST). <i>BMC Medical Research Methodology</i> , <b>2010</b> , 10, 2	4.7	20
79	Reporting guidelines for human microbiome research: the STORMS checklist. <i>Nature Medicine</i> , <b>2021</b> , 27, 1885-1892	50.5	19
78	Oral and Gut Microbial Diversity and Immune Regulation in Patients with HIV on Antiretroviral Therapy. <i>MSphere</i> , <b>2020</b> , 5,	5	19
77	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> , <b>2020</b> , 39, 880-890	5.8	17
76	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> , <b>2020</b> , 31, 405-414	12.7	17
75	Seasonality and clinical impact of human parainfluenza viruses. <i>Influenza and Other Respiratory Viruses</i> , <b>2018</b> , 12, 706-716	5.6	17
74	Association of Stimulant Medication Use With Bone Mass in Children and Adolescents With Attention-Deficit/Hyperactivity Disorder. <i>JAMA Pediatrics</i> , <b>2016</b> , 170, e162804	8.3	17
73	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> , <b>2018</b> , 7, 755-765	4.3	17
72	Periodontal infection and cardiorespiratory fitness in younger adults: results from continuous national health and nutrition examination survey 1999-2004. <i>PLoS ONE</i> , <b>2014</b> , 9, e92441	3.7	15
71	Periodontal disease and incident dementia: The Atherosclerosis Risk in Communities Study (ARIC). <i>Neurology</i> , <b>2020</b> , 95, e1660-e1671	6.5	15
70	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> , <b>2020</b> , 143, 104268	5.3	15
69	Racial Disparities in Cardiovascular Health Behaviors: The Coronary Artery Risk Development in Young Adults Study. <i>American Journal of Preventive Medicine</i> , <b>2018</b> , 55, 63-71	6.1	15
68	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> , <b>2018</b> , 37, 723-732	5.8	14
67	Association of Impaired Glucose Regulation and Insulin Resistance With Cardiac Structure and Function: Results From ECHO-SOL (Echocardiographic Study of Latinos). <i>Circulation: Cardiovascular Imaging</i> , <b>2016</b> , 9,	3.9	14
66	Association between physical inactivity and health-related quality of life in adults with coronary heart disease. <i>Maturitas</i> , <b>2019</b> , 128, 36-42	5	13
65	Association between Serum Folate and Insulin Resistance among U.S. Nondiabetic Adults. <i>Scientific Reports</i> , <b>2017</b> , 7, 9187	4.9	13
64	A combined strategy of feature selection and machine learning to identify predictors of prediabetes. <i>Journal of the American Medical Informatics Association: JAMIA</i> , <b>2020</b> , 27, 396-406	8.6	13
63	The Human Salivary Antimicrobial Peptide Profile according to the Oral Microbiota in Health, Periodontitis and Smoking. <i>Journal of Innate Immunity</i> , <b>2019</b> , 11, 432-444	6.9	13

62	Prognostic value of vasoactive-inotropic score following continuous flow left ventricular assist device implantation. <i>Journal of Heart and Lung Transplantation</i> , <b>2019</b> , 38, 930-938	5.8	12
61	Major dietary patterns and carotid intima-media thickness in Bangladesh. <i>Public Health Nutrition</i> , <b>2016</b> , 19, 218-29	3.3	12
60	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> , <b>2019</b> , 38, 396-405	5.8	12
59	Plasma Trimethylamine-N-oxide and impaired glucose regulation: Results from The Oral Infections, Glucose Intolerance and Insulin Resistance Study (ORIGINS). <i>PLoS ONE</i> , <b>2020</b> , 15, e0227482	3.7	11
58	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> , <b>2015</b> , 34, 1633-5	5.8	11
57	Association between betel quid chewing and carotid intima-media thickness in rural Bangladesh. <i>International Journal of Epidemiology</i> , <b>2014</b> , 43, 1174-82	7.8	11
56	Zero-inflated Poisson factor model with application to microbiome read counts. <i>Biometrics</i> , <b>2021</b> , 77, 91-101	1.8	10
55	Depressive Symptoms, Antidepressant Use, and Hypertension in Young Adulthood. <i>Epidemiology</i> , <b>2018</b> , 29, 547-555	3.1	9
54	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> , <b>2018</b> , 6, e000535	4.5	9
53	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> , <b>2017</b> , 36, 59-63	5.8	8
52	Anxiety disorders and risk of self-reported ulcer: a 10-year longitudinal study among US adults. <i>General Hospital Psychiatry</i> , <b>2014</b> , 36, 674-9	5.6	8
51	Outcomes Associated with Obesity in Patients Undergoing Left Ventricular Assist Device Implantation: A Systematic Review and Meta-Analysis. <i>ASAIO Journal</i> , <b>2020</b> , 66, 401-408	3.6	8
50	Apolipoprotein E Gene Polymorphism and Subclinical Carotid Atherosclerosis: The Northern Manhattan Study. <i>Journal of Stroke and Cerebrovascular Diseases</i> , <b>2018</b> , 27, 645-652	2.8	8
49	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> , <b>2018</b> , 39, 1102-1108	2.9	8
48	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> , <b>2018</b> , 8, e020362	3	8
47	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> , <b>2020</b> , 13, e006326	7.6	7
46	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> , <b>2017</b> , 36, 694-697	5.8	6
45	The association between coeliac disease and periodontitis: Results from NHANES 2009-2012. <i>Journal of Clinical Periodontology</i> , <b>2018</b> , 45, 303-310	7.7	6

44 Association of preoperative infections, nasal *Staphylococcus aureus* colonization and gut microbiota with left ventricular assist device outcomes. *European Journal of Heart Failure*, **2021**, 23, 1404-1415<sup>12,3</sup> 6

43 Outpatient and inpatient anticoagulation therapy and the risk for hospital admission and death among COVID-19 patients. *EClinicalMedicine*, **2021**, 41, 101139 11.3 6

42 Differential Expression and Functional Analysis of High-Throughput -Omics Data Using Open Source Tools. *Methods in Molecular Biology*, **2017**, 1537, 327-345 1.4 5

41 Left Ventricular Assist Device Implantation in Hypertrophic and Restrictive Cardiomyopathy: A Systematic Review. *ASAIO Journal*, **2021**, 67, 239-244 3.6 5

40 Severe acute respiratory coronavirus virus 2 (SARS-CoV-2) screening among symptom-free healthcare workers. *Infection Control and Hospital Epidemiology*, **2021**, 1-4 2 5

39 Peripheral venous congestion causes time- and dose-dependent release of endothelin-1 in humans. *Physiological Reports*, **2017**, 5, e13118 2.6 4

38 Gut microbial diversity, inflammation, and oxidative stress are associated with tacrolimus dosing requirements early after heart transplantation. *PLoS ONE*, **2020**, 15, e0233646 3.7 4

37 Meta-Analysis Comparing Risk for Adverse Outcomes After Left Ventricular Assist Device Implantation in Patients With Versus Without Diabetes Mellitus. *American Journal of Cardiology*, **2019**, 124, 1918-1923 3 4

36 The association between socioeconomic status and subclinical atherosclerosis in a rural Bangladesh population. *Preventive Medicine*, **2017**, 102, 6-11 4.3 4

35 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. *Computers in Biology and Medicine*, **2021**, 132, 104305 7 4

34 Association between number of children and carotid intima-media thickness in Bangladesh. *PLoS ONE*, **2018**, 13, e0208148 3.7 4

33 Periodontal diseases and carotid intima-media thickness in Bangladesh. *Journal of Clinical Periodontology*, **2016**, 43, 909-917 7.7 3

32 On the Communicability of Chronic Diseases. *Annals of Internal Medicine*, **2018**, 168, 69-70 8 3

31 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 **2018**, 45, 138 3

30 Do socioeconomic disparities in stroke and its consequences decrease in older age?. *European Journal of Public Health*, **2016**, 26, 799-804 2.1 3

29 Circulating Microbiota in Cardiometabolic Disease.. *Frontiers in Cellular and Infection Microbiology*, **2022**, 12, 892232 5.9 3

28 Bioinformatics techniques in microarray research: applied microarray data analysis using R and SAS software. *Methods in Molecular Biology*, **2010**, 666, 395-417 1.4 2

27 Diet quality and periodontal disease: Results from the oral infections, glucose intolerance and insulin resistance study (ORIGINS). *Journal of Clinical Periodontology*, **2021**, 48, 638-647 7.7 2

26	Nutritional markers of undiagnosed type 2 diabetes in adults: Findings of a machine learning analysis with external validation and benchmarking. <i>PLoS ONE</i> , <b>2021</b> , 16, e0250832	3.7	2
25	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> , <b>2021</b> , 106, e3546-e3558	5.6	2
24	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> , <b>2021</b> , 14, e007909	7.6	2
23	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> , <b>2021</b> , 27, 1367-1373	3.3	2
22	Circulating Microbial Signatures and Cardiovascular Death in Patients With ESRD. <i>Kidney International Reports</i> , <b>2021</b> , 6, 2617-2628	4.1	2
21	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> , <b>2018</b> , 187, 1291-1294	3.8	1
20	Cataloging the Bloomberg era: New York City legislation relevant to cardiovascular risk factorsThe timeline and multi-sectoral nature of the legislation relevant to air pollution, tobacco exposure, physical activity, or dietary quality suggest that research to understand the collective or distinct health impact of policies on cardiovascular health should be attentive to the multiplicity of policies passed in this period. View all notes. <i>Cities and Health</i> , <b>2017</b> , 1, 125-138	2.8	1
19	Diabetes prevalence among youth. <i>JAMA - Journal of the American Medical Association</i> , <b>2014</b> , 312, 1153	27.4	1
18	Citizenship Status and Prevalence of Diagnosed and Undiagnosed Hypertension and Diabetes Among Adults in the U.S., 2011-2016. <i>Diabetes Care</i> , <b>2021</b> , 44, e38-e39	14.6	1
17	Cytomegalovirus infection in malignant pleural mesothelioma. <i>PLoS ONE</i> , <b>2021</b> , 16, e0254136	3.7	1
16	Early microbial markers of periodontal and cardiometabolic diseases in ORIGINS.. <i>Npj Biofilms and Microbiomes</i> , <b>2022</b> , 8, 30	8.2	1
15	SARS-CoV-2 seroprevalence among healthcare workers.. <i>PLoS ONE</i> , <b>2022</b> , 17, e0266410	3.7	1
14	Nitrite Generating and Depleting Capacity of the Oral Microbiome and Cardiometabolic Risk: Results from ORIGINS.. <i>Journal of the American Heart Association</i> , <b>2022</b> , 11, e023038	6	1
13	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> , <b>2022</b> , 8, e08886	3.6	0
12	Cardiovascular disease risk factors among transgender women in Chiang Mai, Thailand. <i>American Journal of Cardiovascular Disease</i> , <b>2020</b> , 10, 124-130	0.9	0
11	Hospitalization With Major Infection and Incidence of End-Stage Renal Disease: The Atherosclerosis Risk in Communities (ARIC) Study. <i>Mayo Clinic Proceedings</i> , <b>2020</b> , 95, 1928-1939	6.4	0
10	Obesity and Outcomes Following Cardiogenic Shock Requiring Acute Mechanical Circulatory Support. <i>Circulation: Heart Failure</i> , <b>2021</b> , 14, e007937	7.6	0
9	Identification of Natural SARS-CoV-2 Infection in Seroprevalence Studies Among Vaccinated Populations.. <i>Mayo Clinic Proceedings</i> , <b>2022</b> , 97, 754-760	6.4	0

- 8 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 9.4
- 7 Assessing the Relationship Between Nitrate-Reducing Capacity of the Oral Microbiome and Systemic Outcomes. *Methods in Molecular Biology*, **2021**, 2327, 139-160 1.4
- 6 Plasma Trimethylamine-N-oxide and impaired glucose regulation: Results from The Oral Infections, Glucose Intolerance and Insulin Resistance Study (ORIGINS) **2020**, 15, e0227482
- 5 Plasma Trimethylamine-N-oxide and impaired glucose regulation: Results from The Oral Infections, Glucose Intolerance and Insulin Resistance Study (ORIGINS) **2020**, 15, e0227482
- 4 Plasma Trimethylamine-N-oxide and impaired glucose regulation: Results from The Oral Infections, Glucose Intolerance and Insulin Resistance Study (ORIGINS) **2020**, 15, e0227482
- 3 Plasma Trimethylamine-N-oxide and impaired glucose regulation: Results from The Oral Infections, Glucose Intolerance and Insulin Resistance Study (ORIGINS) **2020**, 15, e0227482
- 2 Plasma Trimethylamine-N-oxide and impaired glucose regulation: Results from The Oral Infections, Glucose Intolerance and Insulin Resistance Study (ORIGINS) **2020**, 15, e0227482
- 1 Plasma Trimethylamine-N-oxide and impaired glucose regulation: Results from The Oral Infections, Glucose Intolerance and Insulin Resistance Study (ORIGINS) **2020**, 15, e0227482