

Rahul C Deo

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

7,580
citations

136950

32
h-index

149698

56
g-index

66
all docs

66
docs citations

66
times ranked

13570
citing authors

#	ARTICLE	IF	CITATIONS
1	PIEZO1 mediates a mechanothrombotic pathway in diabetes. <i>Science Translational Medicine</i> , 2022, 14, eabk1707.	12.4	28
2	Cardiovascular Risk Assessment Using Artificial Intelligence-Enabled Event Adjudication and Hematologic Predictors. <i>Circulation: Cardiovascular Quality and Outcomes</i> , 2022, 15, 101161CIRCOOUTCOMES121008007.	2.2	5
3	Ecosystem Barriers to Innovation Adoption in Clinical Practice. <i>Trends in Molecular Medicine</i> , 2021, 27, 5-7.	6.7	3
4	A machine learning model for identifying patients at risk for wild-type transthyretin amyloid cardiomyopathy. <i>Nature Communications</i> , 2021, 12, 2725.	12.8	56
5	Artificial intelligence-enabled fully automated detection of cardiac amyloidosis using electrocardiograms and echocardiograms. <i>Nature Communications</i> , 2021, 12, 2726.	12.8	73
6	Recommendations for Statistical Reporting in Cardiovascular Medicine: A Special Report From the American Heart Association. <i>Circulation</i> , 2021, 144, e70-e91.	1.6	36
7	Coronary Microvascular Dysfunction, Left Ventricular Remodeling, and Clinical Outcomes in Patients With Chronic Kidney Impairment. <i>Circulation</i> , 2020, 141, 21-33.	1.6	54
8	Machine Learning in Medicine. <i>Circulation</i> , 2020, 142, 1521-1523.	1.6	13
9	Recommendations for Reporting Machine Learning Analyses in Clinical Research. <i>Circulation: Cardiovascular Quality and Outcomes</i> , 2020, 13, e006556.	2.2	112
10	An International Multicenter Evaluation of Inheritance Patterns, Arrhythmic Risks, and Underlying Mechanisms of <i>CASQ2</i> -Catecholaminergic Polymorphic Ventricular Tachycardia. <i>Circulation</i> , 2020, 142, 932-947.	1.6	44
11	A Novel Role for Piezo1 in Diabetes-Associated Thrombosis. <i>Biophysical Journal</i> , 2020, 118, 398a.	0.5	1
12	Proposed Requirements for Cardiovascular Imaging-Related Machine Learning Evaluation (PRIME): A Checklist. <i>JACC: Cardiovascular Imaging</i> , 2020, 13, 2017-2035.	5.3	123
13	The structure of a calsequestrin filament reveals mechanisms of familial arrhythmia. <i>Nature Structural and Molecular Biology</i> , 2020, 27, 1142-1151.	8.2	13
14	Moving Genomics to Routine Care. <i>Circulation Genomic and Precision Medicine</i> , 2020, 13, 406-416.	3.6	11
15	Research Priorities for Heart Failure With Preserved Ejection Fraction. <i>Circulation</i> , 2020, 141, 1001-1026.	1.6	239
16	A Machine Learning Model for the Systematic Identification of Wild-Type Transthyretin Cardiomyopathy. <i>Journal of Cardiac Failure</i> , 2019, 25, S53-S54.	1.7	5
17	Automated and Interpretable Patient ECG Profiles for Disease Detection, Tracking, and Discovery. <i>Circulation: Cardiovascular Quality and Outcomes</i> , 2019, 12, e005289.	2.2	111
18	Response by Zhang and Deo to Letter Regarding Article, "Fully Automated Echocardiogram Interpretation in Clinical Practice: Feasibility and Diagnostic Accuracy". <i>Circulation</i> , 2019, 139, 1648-1649.	1.6	3

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19	Coronary Arteries and the Cell Count. <i>Circulation</i> , 2019, 139, 1228-1233.	1.6	9
20	Adipocyte JAK2 Regulates Hepatic Insulin Sensitivity Independently of Body Composition, Liver Lipid Content, and Hepatic Insulin Signaling. <i>Diabetes</i> , 2018, 67, 208-221.	0.6	19
21	MAGUS: A Shared Tool for the Genetic Community. <i>Circulation: Cardiovascular Quality and Outcomes</i> , 2018, 11, e005006.	2.2	0
22	Fully Automated Echocardiogram Interpretation in Clinical Practice. <i>Circulation</i> , 2018, 138, 1623-1635.	1.6	563
23	A Rapid Method for Directed Gene Knockout for Screening in G0 Zebrafish. <i>Developmental Cell</i> , 2018, 46, 112-125.e4.	7.0	275
24	Bundle Branch Re-Entrant Ventricular Tachycardia. <i>JACC: Clinical Electrophysiology</i> , 2017, 3, 276-288.	3.2	27
25	Phenomapping for the Identification of Hypertensive Patients with the Myocardial Substrate for Heart Failure with Preserved Ejection Fraction. <i>Journal of Cardiovascular Translational Research</i> , 2017, 10, 275-284.	2.4	61
26	Activation of IRF1 in Human Adipocytes Leads to Phenotypes Associated with Metabolic Disease. <i>Stem Cell Reports</i> , 2017, 8, 1164-1173.	4.8	19
27	Induced Pluripotent Stem Cell Differentiation Enables Functional Validation of GWAS Variants in Metabolic Disease. <i>Cell Stem Cell</i> , 2017, 20, 547-557.e7.	11.1	129
28	Alternative Splicing, Internal Promoter, Nonsense-Mediated Decay, or All Three. <i>Circulation: Cardiovascular Genetics</i> , 2016, 9, 419-425.	5.1	27
29	Perinatal Licensing of Thermogenesis by IL-33 and ST2. <i>Cell</i> , 2016, 166, 841-854.	28.9	99
30	Learning About Machine Learning: The Promise and Pitfalls of Big Data and the Electronic Health Record. <i>Circulation: Cardiovascular Quality and Outcomes</i> , 2016, 9, 618-620.	2.2	30
31	Editorial commentary: Induced pluripotent stem cell (iPSC) cardiomyocytes: My kingdom for a useful disease model!. <i>Trends in Cardiovascular Medicine</i> , 2016, 26, 673-674.	4.9	0
32	Abstract 64: An Integrated Model for Titin Truncation Mutation Interpretation. <i>Circulation Research</i> , 2016, 119, .	4.5	0
33	An internal promoter underlies the difference in disease severity between N- and C-terminal truncation mutations of Titin in zebrafish. <i>ELife</i> , 2015, 4, e09406.	6.0	83
34	Targeted Deep Sequencing Reveals No Definitive Evidence for Somatic Mosaicism in Atrial Fibrillation. <i>Circulation: Cardiovascular Genetics</i> , 2015, 8, 50-57.	5.1	15
35	RNA Sequencing of Mouse Sinoatrial Node Reveals an Upstream Regulatory Role for Islet-1 in Cardiac Pacemaker Cells. <i>Circulation Research</i> , 2015, 116, 797-803.	4.5	95
36	Machine Learning in Medicine. <i>Circulation</i> , 2015, 132, 1920-1930.	1.6	1,923

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37	Phenomapping for Novel Classification of Heart Failure With Preserved Ejection Fraction. <i>Circulation</i> , 2015, 131, 269-279.	1.6	763
38	Prioritizing causal disease genes using unbiased genomic features. <i>Genome Biology</i> , 2014, 15, 534.	8.8	40
39	Effects of the Absence of Apolipoprotein E on Lipoproteins, Neurocognitive Function, and Retinal Function. <i>JAMA Neurology</i> , 2014, 71, 1228.	9.0	79
40	Phenotypic Spectrum of Heart Failure with Preserved Ejection Fraction. <i>Heart Failure Clinics</i> , 2014, 10, 407-418.	2.1	126
41	Type 2 Innate Signals Stimulate Fibro/Adipogenic Progenitors to Facilitate Muscle Regeneration. <i>Cell</i> , 2013, 153, 376-388.	28.9	676
42	Programming human pluripotent stem cells into white and brown adipocytes. <i>Nature Cell Biology</i> , 2012, 14, 209-219.	10.3	209
43	Interpreting cancer genomes using systematic host network perturbations by tumour virus proteins. <i>Nature</i> , 2012, 487, 491-495.	27.8	349
44	Single-Nucleotide Polymorphisms in LPA Explain Most of the Ancestry-Specific Variation in Lp(a) Levels in African Americans. <i>PLoS ONE</i> , 2011, 6, e14581.	2.5	60
45	Identification of adult nephron progenitors capable of kidney regeneration in zebrafish. <i>Nature</i> , 2011, 470, 95-100.	27.8	258
46	The zebrafish:scalable <i>in vivo</i> modeling for systems biology. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , 2011, 3, 335-346.	6.6	26
47	Human cardiomyopathy mutations induce myocyte hyperplasia and activate hypertrophic pathways during cardiogenesis in zebrafish. <i>DMM Disease Models and Mechanisms</i> , 2011, 4, 400-410.	2.4	55
48	Pattern Specification and Immune Response Transcriptional Signatures of Pericardial and Subcutaneous Adipose Tissue. <i>PLoS ONE</i> , 2011, 6, e26092.	2.5	6
49	Fine-Mapping in African Americans of 8 Recently Discovered Genetic Loci for Plasma Lipids. <i>Circulation: Cardiovascular Genetics</i> , 2010, 3, 358-364.	5.1	28
50	Metabolic Signatures of Exercise in Human Plasma. <i>Science Translational Medicine</i> , 2010, 2, 33ra37.	12.4	337
51	Interpreting Metabolomic Profiles using Unbiased Pathway Models. <i>PLoS Computational Biology</i> , 2010, 6, e1000692.	3.2	52
52	Clinical Screening and Genetic Testing. <i>Heart Failure Clinics</i> , 2010, 6, 231-238.	2.1	2
53	Clinical Screening and Genetic Testing. <i>Clinics in Laboratory Medicine</i> , 2010, 30, 775-784.	1.4	3
54	An Admixture Scan in 1,484 African American Women with Breast Cancer. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2009, 18, 3110-3117.	2.5	46

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55	Genetic Differences between the Determinants of Lipid Profile Phenotypes in African and European Americans: The Jackson Heart Study. PLoS Genetics, 2009, 5, e1000342.	3.5	94
56	Pathways of the Heart. Circulation: Cardiovascular Genetics, 2009, 2, 303-305.	5.1	2
57	A High-Density Admixture Scan in 1,670 African Americans with Hypertension. PLoS Genetics, 2007, 3, e196.	3.5	40
58	The genetics of cardiomyopathies: What clinicians should know. Current Heart Failure Reports, 2007, 4, 229-235.	3.3	2