

# Pankaj Arora

## List of Publications by Year in descending order

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Version: 2024-02-01

92  
papers

4,670  
citations

218592

26  
h-index

102432

66  
g-index

92  
all docs

92  
docs citations

92  
times ranked

9708  
citing authors

#	ARTICLE	IF	CITATIONS
1	Genetic variants in novel pathways influence blood pressure and cardiovascular disease risk. <i>Nature</i> , 2011, 478, 103-109.	13.7	1,855
2	Genome-wide association study identifies six new loci influencing pulse pressure and mean arterial pressure. <i>Nature Genetics</i> , 2011, 43, 1005-1011.	9.4	403
3	Genome-Wide Association Study of Blood Pressure Extremes Identifies Variant near UMOD Associated with Hypertension. <i>PLoS Genetics</i> , 2010, 6, e1001177.	1.5	312
4	Association of genetic variation with systolic and diastolic blood pressure among African Americans: the Candidate Gene Association Resource study. <i>Human Molecular Genetics</i> , 2011, 20, 2273-2284.	1.4	168
5	Cardiac Natriuretic Peptides, Obesity, and Insulin Resistance: Evidence from Two Community-Based Studies. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2011, 96, 3242-3249.	1.8	141
6	Atrial natriuretic peptide is negatively regulated by microRNA-425. <i>Journal of Clinical Investigation</i> , 2013, 123, 3378-3382.	3.9	109
7	Implantable Cardioverter-Defibrillator for Nonischemic Cardiomyopathy. <i>Circulation</i> , 2017, 135, 201-203.	1.6	104
8	Vitamin D Therapy in Individuals With Prehypertension or Hypertension. <i>Circulation</i> , 2015, 131, 254-262.	1.6	103
9	Causal Effect of Plasminogen Activator Inhibitor Type 1 on Coronary Heart Disease. <i>Journal of the American Heart Association</i> , 2017, 6, .	1.6	89
10	Dispersion engineering with plasmonic nano structures for enhanced surface plasmon resonance sensing. <i>Scientific Reports</i> , 2018, 8, 9060.	1.6	62
11	Soluble Guanylate Cyclase $\beta$ -Deficient Mice: A Novel Murine Model for Primary Open Angle Glaucoma. <i>PLoS ONE</i> , 2013, 8, e60156.	1.1	55
12	Hospitalization Rates, Prevalence of Cardiovascular Manifestations, and Outcomes Associated With Sarcoidosis in the United States. <i>Journal of the American Heart Association</i> , 2018, 7, .	1.6	49
13	Evaluation of the Incidence of New-Onset Atrial Fibrillation After Aortic Valve Replacement. <i>JAMA Internal Medicine</i> , 2019, 179, 1122.	2.6	46
14	Racial Differences in Plasma Levels of N-Terminal Pro-B-Type Natriuretic Peptide and Outcomes. <i>JAMA Cardiology</i> , 2018, 3, 11.	3.0	45
15	Catheter-directed treatment for acute pulmonary embolism: Systematic review and single-arm meta-analyses. <i>International Journal of Cardiology</i> , 2016, 225, 128-139.	0.8	43
16	Lack of resolution sensor drives age-related cardiometabolic and cardiorenal defects and impedes inflammation-resolution in heart failure. <i>Molecular Metabolism</i> , 2020, 31, 138-149.	3.0	43
17	Surgical Embolectomy for Acute Pulmonary Embolism: Systematic Review and Comprehensive Meta-Analyses. <i>Annals of Thoracic Surgery</i> , 2017, 103, 982-990.	0.7	42
18	Lipoprotein(a) and Risk of Ischemic Stroke in the REGARDS Study. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019, 39, 810-818.	1.1	40

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19	Vitamin D Supplementation Modulates T Cell-Mediated Immunity in Humans: Results from a Randomized Control Trial. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016, 101, 533-538.	1.8	39
20	Weight Loss, Saline Loading, and the Natriuretic Peptide System. <i>Journal of the American Heart Association</i> , 2015, 4, e001265.	1.6	37
21	Targeted Temperature Management After Cardiac Arrest: Systematic Review and Meta-analyses. <i>Anesthesia and Analgesia</i> , 2018, 126, 867-875.	1.1	36
22	Acute Metabolic Influences on the Natriuretic Peptide System in Humans. <i>Journal of the American College of Cardiology</i> , 2016, 67, 804-812.	1.2	34
23	Race, Natriuretic Peptides, and High-Carbohydrate Challenge. <i>Circulation Research</i> , 2019, 125, 957-968.	2.0	34
24	Trends in Lipid, Lipoproteins, and Statin Use Among U.S. Adults. <i>Journal of the American College of Cardiology</i> , 2019, 74, 2525-2528.	1.2	34
25	Trends and Cost of Heart Transplantation and Left Ventricular Assist Devices. <i>JACC: Heart Failure</i> , 2018, 6, 424-432.	1.9	32
26	Effect of Phosphodiesterase Inhibition on Insulin Resistance in Obese Individuals. <i>Journal of the American Heart Association</i> , 2014, 3, e001001.	1.6	28
27	Geographic Variation in Cardiovascular Health Among American Adults. <i>Mayo Clinic Proceedings</i> , 2021, 96, 1770-1781.	1.4	28
28	In-Hospital Management and Outcomes After ST-Segment Elevation Myocardial Infarction in Medicaid Beneficiaries Compared With Privately Insured Individuals. <i>Circulation: Cardiovascular Quality and Outcomes</i> , 2019, 12, e004971.	0.9	27
29	Blood pressure and human genetic variation in the general population. <i>Current Opinion in Cardiology</i> , 2010, 25, 229-237.	0.8	26
30	Ideal Cardiovascular Health Among American Adults After the Economic Recession of 2008-2009: Insights from NHANES. <i>American Journal of Medicine</i> , 2019, 132, 1182-1190.e5.	0.6	25
31	Geographic Variation in Racial Disparities in Health and Coronavirus Disease-2019 (COVID-19) Mortality. <i>Mayo Clinic Proceedings Innovations, Quality &amp; Outcomes</i> , 2020, 4, 703-716.	1.2	25
32	Long Noncoding RNA. <i>Circulation: Cardiovascular Genetics</i> , 2015, 8, 213-215.	5.1	23
33	Prevalence, Awareness, Treatment, and Poor Control of Hypertension Among Young American Adults. <i>Mayo Clinic Proceedings</i> , 2020, 95, 1390-1403.	1.4	21
34	Novel MicroRNA Regulators of Atrial Natriuretic Peptide Production. <i>Molecular and Cellular Biology</i> , 2016, 36, 1977-1987.	1.1	20
35	Insulin Resistance and Cardiometabolic Risk Profile Among Nondiabetic American Young Adults: Insights From NHANES. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2022, 107, e25-e37.	1.8	19
36	Neurological effects of proprotein convertase subtilisin/kexin type 9 inhibitors: direct comparisons. <i>European Heart Journal Quality of Care &amp; Clinical Outcomes</i> , 2018, 4, 132-141.	1.8	18

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37	Soft Lithography for Manufacturing Scalable Perovskite Metasurfaces with Enhanced Emission and Absorption. <i>Advanced Optical Materials</i> , 2020, 8, 2001627.	3.6	18
38	Obesity and Serial NT-proBNP Levels in Guided Medical Therapy for Heart Failure With Reduced Ejection Fraction: Insights From the GUIDE-T Trial. <i>Journal of the American Heart Association</i> , 2021, 10, e018689.	1.6	18
39	LMKB/MARF1 Localizes to mRNA Processing Bodies, Interacts with Ge-1, and Regulates IFI44L Gene Expression. <i>PLoS ONE</i> , 2014, 9, e94784.	1.1	16
40	Conducting and interpreting high-quality systematic reviews and meta-analyses. <i>Journal of Nuclear Cardiology</i> , 2017, 24, 471-481.	1.4	16
41	Race-based demographic, anthropometric and clinical correlates of N-terminal-pro B-type natriuretic peptide. <i>International Journal of Cardiology</i> , 2019, 286, 145-151.	0.8	16
42	Effect of NT-proBNP-Guided Therapy on All-Cause Mortality in Chronic Heart Failure With Reduced Ejection Fraction. <i>Journal of the American College of Cardiology</i> , 2018, 71, 951-952.	1.2	15
43	Plasmonic Enhanced EIT and Velocity Selective Optical Pumping Measurements with Atomic Vapor. <i>ACS Photonics</i> , 2018, 5, 2609-2616.	3.2	15
44	Incidence and in-hospital outcomes of single-vessel coronary chronic total occlusion treated with percutaneous coronary intervention. <i>International Journal of Cardiology</i> , 2018, 269, 61-66.	0.8	15
45	Cardiovascular Health and Disease Among Asian-Americans (from the National Health and Nutrition) <i>Tj ETQq1 1 0.784314 rgBT /Over</i>	0.7	15
46	High-Dose versus Low-Dose Vitamin D Supplementation and Arterial Stiffness among Individuals with Prehypertension and Vitamin D Deficiency. <i>Disease Markers</i> , 2015, 2015, 1-7.	0.6	14
47	Racial Differences in Serial NT-proBNP Levels in Heart Failure Management. <i>Circulation</i> , 2020, 142, 1018-1020.	1.6	14
48	Comparison of Approaches to Revascularization in Patients With Multivessel Coronary Artery Disease Presenting With ST-segment Elevation Myocardial Infarction: Meta-analyses of Randomized Control Trials. <i>Journal of the American Heart Association</i> , 2015, 4, .	1.6	13
49	Costs of Transcatheter Aortic Valve Replacement. <i>JACC: Cardiovascular Interventions</i> , 2018, 11, 610-612.	1.1	13
50	Effects of subacute dietary salt intake and acute volume expansion on diastolic function in young normotensive individuals. <i>European Heart Journal Cardiovascular Imaging</i> , 2013, 14, 1092-1098.	0.5	12
51	Futile MITRA-FR and a positive COAPT trial: Where does the evidence leave the clinicians?. <i>IJC Heart and Vasculature</i> , 2019, 22, 18-19.	0.6	12
52	Racial differences in the association of NT-proBNP with risk of incident heart failure in REGARDS. <i>JCI Insight</i> , 2019, 4, .	2.3	12
53	Cardiovascular Events and Hospital Deaths Among Patients With Severe Sepsis. <i>American Journal of Cardiology</i> , 2019, 123, 1406-1413.	0.7	11
54	Geographic Inequalities in Cardiovascular Mortality in the United States: 1999 to 2018. <i>Mayo Clinic Proceedings</i> , 2021, 96, 1218-1228.	1.4	11

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55	Obesity Genetics and Epigenetics. <i>Circulation: Cardiovascular Genetics</i> , 2014, 7, 395-396.	5.1	10
56	Interdisciplinary Models for Research and Clinical Endeavors in Genomic Medicine: A Scientific Statement From the American Heart Association. <i>Circulation Genomic and Precision Medicine</i> , 2018, 11, e000046.	1.6	10
57	Galactin-3 and incident cognitive impairment in REGARDS, a cohort of blacks and whites. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , 2018, 4, 165-172.	1.8	10
58	Mortality Due to Mitral Regurgitation Among Adults in the United States: 1999-2018. <i>Mayo Clinic Proceedings</i> , 2020, 95, 2633-2643.	1.4	10
59	Design and comparative analysis of aluminum-MoS <sub>2</sub> based plasmonic devices with enhanced sensitivity and Figure of Merit for biosensing applications in the near-infrared region. <i>Optik</i> , 2021, 228, 166196.	1.4	10
60	Coronary Artery Calcium Score for Personalization of Antihypertensive Therapy. <i>Hypertension</i> , 2021, 77, 1106-1118.	1.3	10
61	Effects of Vitamin D Supplementation on Cardiovascular and Glycemic Biomarkers. <i>Journal of the American Heart Association</i> , 2021, 10, e017727.	1.6	10
62	FFR-guided multivessel stenting reduces urgent revascularization compared with infarct-related artery only stenting in ST-elevation myocardial infarction: A meta-analysis of randomized controlled trials. <i>International Journal of Cardiology</i> , 2018, 252, 63-67.	0.8	9
63	Optical isolator based on highly efficient optical pumping of Rb atoms in a miniaturized vapor cell. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2020, 53, 045201.	0.6	9
64	Design and Analysis of Aluminum-Silicon-Graphene Based Plasmonic Device for Biosensing Applications in the Optical Communication Band. <i>Silicon</i> , 2021, 13, 3703-3711.	1.8	9
65	Percutaneous coronary intervention vs. coronary artery bypass grafting for left main revascularization: an updated meta-analysis. <i>European Heart Journal Quality of Care &amp; Clinical Outcomes</i> , 2017, 3, 173-182.	1.8	8
66	Comparison of Approaches for Stroke Prophylaxis in Patients with Non-Valvular Atrial Fibrillation: Network Meta-Analyses of Randomized Controlled Trials. <i>PLoS ONE</i> , 2016, 11, e0163608.	1.1	8
67	Long Noncoding RNA- <i>MicroRNA</i> -mRNA. <i>Circulation: Cardiovascular Genetics</i> , 2014, 7, 729-731.	5.1	7
68	ALUMINUM-BASED ENGINEERED PLASMONIC NANOSTRUCTURES FOR THE ENHANCED REFRACTIVE INDEX AND THICKNESS SENSING IN ULTRAVIOLET-VISIBLE-NEAR INFRARED SPECTRAL RANGE. <i>Progress in Electromagnetics Research M</i> , 2019, 79, 167-174.	0.5	7
69	Glycoprotein IIb/IIIa inhibitors improve mortality after aspiration thrombectomy in patients with ST-segment elevation myocardial infarction. <i>International Journal of Cardiology</i> , 2015, 187, 206-207.	0.8	6
70	Light-Induced Atomic Desorption in Microfabricated Vapor Cells for Demonstrating Quantum Optical Applications. <i>Physical Review Applied</i> , 2021, 15, .	1.5	6
71	Highly sensitive self-referenced plasmonic devices based on engineered periodic nanostructures for sensing in the communication band. <i>Optical Engineering</i> , 2020, 59, 1.	0.5	6
72	Genotype-Guided P2Y <sub>12</sub> Inhibitor Therapy After Percutaneous Coronary Intervention: A Bayesian Analysis. <i>Circulation Genomic and Precision Medicine</i> , 2021, 14, CIRCGEN121003353.	1.6	6

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73	Metabolomics Yield a Novel Biomarker for Predicting Diabetes Mellitus Risk in Humans. <i>Circulation: Cardiovascular Genetics</i> , 2014, 7, 95-96.	5.1	5
74	MicroRNA Passenger Strand. <i>Circulation: Cardiovascular Genetics</i> , 2014, 7, 567-568.	5.1	5
75	Noncoding Genome-Wide Association Studies Variant for Obesity: Inroads Into Mechanism. <i>Journal of the American Heart Association</i> , 2016, 5, .	1.6	5
76	Effect of Vitamin D Supplementation on Arterial Stiffness and Central Blood Pressure Indexes: Demystifying the Evidence. <i>Journal of the American Heart Association</i> , 2017, 6, .	1.6	5
77	Relative Predictive Value of Circulating Immune Markers in US Adults Without Cardiovascular Disease: Implications for Risk Reclassification. <i>Mayo Clinic Proceedings</i> , 2021, 96, 1812-1821.	1.4	5
78	Efficient optical pumping of alkaline atoms for evanescent fields at dielectric-vapor interfaces. <i>Optics Express</i> , 2019, 27, 33445.	1.7	4
79	Soluble Guanylate Cyclase a1-Deficient Mice: A Novel Murine Model for Primary Open Angle Glaucoma. <i>Annals of Neurosciences</i> , 2013, 20, 65-6.	0.9	3
80	Graphene decorated aluminum-nanostructure based plasmonic device with enhanced sensitivity and figure of merit using both wavelength and angle interrogation. <i>Optik</i> , 2022, 261, 169177.	1.4	3
81	Corin Missense Variants, Blood Pressure, and Hypertension in 11,322 Black Individuals: Insights From REGARDS and the Jackson Heart Study. <i>Journal of the American Heart Association</i> , 2022, 11, .	1.6	3
82	Salt, Immune Function, and the Risk of Autoimmune Diseases. <i>Circulation: Cardiovascular Genetics</i> , 2013, 6, 642-643.	5.1	2
83	Glucagon-Like Peptide-1 Receptor-Atrial Natriuretic Peptide Axis. <i>Circulation: Cardiovascular Genetics</i> , 2013, 6, 523-523.	5.1	2
84	Self-referenced integrated plasmonic device based on engineered periodic nanostructures for sensing applications. , 2020, , .		2
85	Top Advances in Functional Genomics and Translational Biology for 2013. <i>Circulation: Cardiovascular Genetics</i> , 2014, 7, 89-92.	5.1	1
86	Response by Golwala et al to Letter Regarding Article, "Implantable Cardioverter-Defibrillator for Nonischemic Cardiomyopathy: An Updated Meta-Analysis". <i>Circulation</i> , 2017, 135, e1200-e1202.	1.6	1
87	Realization of optical isolator at room temperature in miniaturized vapor cell using light induced atomic desorption. , 2019, , .		1
88	Association of Polygenic Risk Score With Blood Pressure and Adverse Cardiovascular Outcomes in Individuals With Type II Diabetes: Insights From the ACCORD Trial. <i>Hypertension</i> , 2022, , HYPERTENSIONAHA12218976.	1.3	1
89	Reevaluating the Use of the Nationwide Inpatient Sample to Identify Incident Cases of Atrial Fibrillation After Aortic Valve Replacement—Reply. <i>JAMA Internal Medicine</i> , 2019, 179, 1598.	2.6	0
90	Hybrid Perovskite Metasurfaces: Soft Lithography for Manufacturing Scalable Perovskite Metasurfaces with Enhanced Emission and Absorption ( <i>Advanced Optical Materials</i> 23/2020). <i>Advanced Optical Materials</i> , 2020, 8, 2070093.	3.6	0

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91	Sodium-glucose co-transporter 2 inhibitors: strength of evidence for a cardio-renal-metabolic therapy. <i>European Journal of Heart Failure</i> , 2021, 23, 1009-1011.	2.9	0
92	Multiwavelength plasmonic activity in aluminum-based 2D nanostructures for biosensing applications. <i>Journal of Computational Electronics</i> , 0, , 1.	1.3	0