Siddharth K Prakash

List of Publications by Year
in descending order

77 papers	3,473 citations	147801 31 h-index	149698 56 g-index
84 all docs	84 docs citations	84 times ranked	5069 citing authors

#	Article	IF	Citations
1	Bicuspid Aortic Valve. Circulation, 2014, 129, 2691-2704.	1.6	342
2	TGFB2 mutations cause familial thoracic aortic aneurysms and dissections associated with mild systemic features of Marfan syndrome. Nature Genetics, 2012, 44, 916-921.	21.4	319
3	Genetic Testing for Inherited Cardiovascular Diseases: A Scientific Statement From the American Heart Association. Circulation Genomic and Precision Medicine, 2020, 13, e000067.	3.6	200
4	A Roadmap to Investigate the Genetic Basis of Bicuspid Aortic Valve and its Complications. Journal of the American College of Cardiology, 2014, 64, 832-839.	2.8	162
5	Cardiovascular Health in Turner Syndrome: A Scientific Statement From the American Heart Association. Circulation Genomic and Precision Medicine, 2018, 11, e000048.	3.6	143
6	Bicuspid aortic valve aortopathy in adults: Incidence, etiology, and clinical significance. International Journal of Cardiology, 2015, 201, 400-407.	1.7	122
7	Aortic Disease Presentation and Outcome Associated With ACTA2 Mutations. Circulation: Cardiovascular Genetics, 2015, 8, 457-464.	5.1	117
8	Therapeutics Targeting Drivers of Thoracic Aortic Aneurysms and Acute Aortic Dissections: Insights from Predisposing Genes and Mouse Models. Annual Review of Medicine, 2017, 68, 51-67.	12.2	94
9	MAT2A Mutations Predispose Individuals to Thoracic Aortic Aneurysms. American Journal of Human Genetics, 2015, 96, 170-177.	6.2	92
10	Genome-wide analysis yields new loci associating with aortic valve stenosis. Nature Communications, 2018, 9, 987.	12.8	91
11	Protein-altering and regulatory genetic variants near GATA4 implicated in bicuspid aortic valve. Nature Communications, 2017, 8, 15481.	12.8	90
12	Recurrent Chromosome 16p13.1 Duplications Are a Risk Factor for Aortic Dissections. PLoS Genetics, 2011, 7, e1002118.	3.5	86
13	Aortic Dissection in Patients With Genetically Mediated Aneurysms. Journal of the American College of Cardiology, 2016, 67, 2744-2754.	2.8	84
14	FOXE3 mutations predispose to thoracic aortic aneurysms and dissections. Journal of Clinical Investigation, 2016, 126, 948-961.	8.2	84
15	Rare, Nonsynonymous Variant in the Smooth Muscle-Specific Isoform of Myosin Heavy Chain, MYH11 , R247C, Alters Force Generation in the Aorta and Phenotype of Smooth Muscle Cells. Circulation Research, 2012, 110, 1411-1422.	4.5	81
16	Rare Copy Number Variants Disrupt Genes Regulating Vascular Smooth Muscle Cell Adhesion and Contractility in Sporadic Thoracic Aortic Aneurysms and Dissections. American Journal of Human Genetics, 2010, 87, 743-756.	6.2	76
17	Copy number gain at Xp22.31 includes complex duplication rearrangements and recurrent triplications. Human Molecular Genetics, 2011, 20, 1975-1988.	2.9	74
18	Diabetes and Reduced Risk for Thoracic Aortic Aneurysms and Dissections: A Nationwide Caseâ€Control Study. Journal of the American Heart Association, 2012, 1, .	3.7	73

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19	Genetic Variants in LRP1 and ULK4 Are Associated with Acute Aortic Dissections. American Journal of Human Genetics, 2016, 99, 762-769.	6.2	73
20	Aortic Remodeling After Transverse Aortic Constriction in Mice Is Attenuated With AT ₁ Receptor Blockade. Arteriosclerosis, Thrombosis, and Vascular Biology, 2013, 33, 2172-2179.	2.4	67
21	The Need for Standardized Methods for Measuring the Aorta. JACC: Cardiovascular Imaging, 2016, 9, 219-226.	5.3	66
22	International consensus statement on nomenclature and classification of the congenital bicuspid aortic valve and its aortopathy, for clinical, surgical, interventional and research purposes. European Journal of Cardio-thoracic Surgery, 2021, 60, 448-476.	1.4	61
23	Loss of holocytochrome c-type synthetase causes the male lethality of X-linked dominant micro-phthalmia with linear skin defects (MLS) syndrome. Human Molecular Genetics, 2002, 11, 3237-3248.	2.9	58
24	Associations of Age and Sex With Marfan Phenotype. Circulation: Cardiovascular Genetics, 2017, 10, .	5.1	57
25	Autosomal and X chromosome structural variants are associated with congenital heart defects in Turner syndrome: The NHLBI GenTAC registry. American Journal of Medical Genetics, Part A, 2016, 170, 3157-3164.	1.2	53
26	Genetics in bicuspid aortic valve disease: Where are we?. Progress in Cardiovascular Diseases, 2020, 63, 398-406.	3.1	53
27	LTBP3 Pathogenic Variants Predispose Individuals to Thoracic Aortic Aneurysms and Dissections. American Journal of Human Genetics, 2018, 102, 706-712.	6.2	51
28	Loss of Smooth Muscle Î±-Actin Leads to NF-ÎºBâ€“Dependent Increased Sensitivity to Angiotensin II in Smooth Muscle Cells and Aortic Enlargement. Circulation Research, 2017, 120, 1903-1915.	4.5	48
29	International consensus statement on nomenclature and classification of the congenital bicuspid aortic valve and its aortopathy, for clinical, surgical, interventional and research purposes. Journal of Thoracic and Cardiovascular Surgery, 2021, 162, e383-e414.	0.8	47
30	Single-nucleotide polymorphism array genotyping is equivalent to metaphase cytogenetics for diagnosis of Turner syndrome. Genetics in Medicine, 2014, 16, 53-59.	2.4	46
31	Aortic Dilatation Associated With Bicuspid Aortic Valve: Relation to Sex, Hemodynamics, and Valve Morphology (the National Heart Lung and Blood Institute-Sponsored National Registry of Genetically) Tj ETQq1 1 0.784314 rgBT /Ove Cardiology, 2017, 120, 1171-1175.	1.6	36
32	Recognition and management of adults with Turner syndrome: From the transition of adolescence through the senior years. American Journal of Medical Genetics, Part A, 2019, 179, 1987-2033.	1.2	33
33	Recurrent Rare Genomic Copy Number Variants and Bicuspid Aortic Valve Are Enriched in Early Onset Thoracic Aortic Aneurysms and Dissections. PLoS ONE, 2016, 11, e0153543.	2.5	29
34	Aortic arch tortuosity, a novel biomarker for thoracic aortic disease, is increased in adults with bicuspid aortic valve. International Journal of Cardiology, 2019, 284, 84-89.	1.7	27
35	International Consensus Statement on Nomenclature and Classification of the Congenital Bicuspid Aortic Valve and Its Aortopathy, for Clinical, Surgical, Interventional and Research Purposes. Annals of Thoracic Surgery, 2021, 112, e203-e235.	1.3	25
36	Susceptibility to acute thoracic aortic dissections in patients dying outside the hospital: An autopsy study. American Heart Journal, 2011, 162, 474-479.	2.7	22

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37	Small rare recurrent deletions and reciprocal duplications in 2q21.1, including brain-specific ARHGEF4 and GPR148. Human Molecular Genetics, 2012, 21, 3345-3355.	2.9	22
38	Assessment of large copy number variants in patients with apparently isolated congenital leftâ€sided cardiac lesions reveals clinically relevant genomic events. American Journal of Medical Genetics, Part A, 2017, 173, 2176-2188.	1.2	17
39	Clinical Characteristics and Long-Term Outcomes of Midaortic Syndrome. Annals of Vascular Surgery, 2020, 66, 318-325.	0.9	17
40	Rare deleterious variants of NOTCH1, GATA4, SMAD6, and ROBO4 are enriched in BAV with early onset complications but not in BAV with heritable thoracic aortic disease. Molecular Genetics & Genomic Medicine, 2020, 8, e1406.	1.2	17
41	Integrative analysis of genomic variants reveals new associations of candidate haploinsufficient genes with congenital heart disease. PLoS Genetics, 2021, 17, e1009679.	3.5	17
42	Nosology Spectrum of the Bicuspid Aortic Valve Condition. Circulation, 2020, 142, 294-299.	1.6	16
43	The Turner syndrome research registry: Creating equipoise between investigators and participants. American Journal of Medical Genetics, Part C: Seminars in Medical Genetics, 2019, 181, 7-12.	1.6	15
44	Open Thoracoabdominal Aortic Repair in Patients With Heritable Aortic Disease in the GenTAC Registry. Annals of Thoracic Surgery, 2020, 109, 1378-1384.	1.3	15
45	International Consensus Statement on Nomenclature and Classification of the Congenital Bicuspid Aortic Valve and Its Aortopathy, for Clinical, Surgical, Interventional and Research Purposes. Radiology: Cardiothoracic Imaging, 2021, 3, e200496.	2.5	15
46	Preventing Cholesterol-Induced Perk (Protein Kinase RNA-Like Endoplasmic Reticulum Kinase) Signaling in Smooth Muscle Cells Blocks Atherosclerotic Plaque Formation. Arteriosclerosis, Thrombosis, and Vascular Biology, 2022, 42, 1005-1022.	2.4	13
47	Cardiovascular Outcomes in Aortopathy. Journal of the American College of Cardiology, 2022, 79, 2069-2081.	2.8	12
48	45,X mosaicism in a population-based biobank: implications for Turner syndrome. Genetics in Medicine, 2019, 21, 1882-1883.	2.4	10
49	Surgical repair of bicuspid aortopathy at small diameters: Clinical and institutional factors. Journal of Thoracic and Cardiovascular Surgery, 2020, 159, 2216-2226.e2.	0.8	10
50	Misclassification of bicuspid aortic valves is common and varies by imaging modality and patient characteristics. Echocardiography, 2019, 36, 761-765.	0.9	8
51	X Marks the Spot. Arteriosclerosis, Thrombosis, and Vascular Biology, 2018, 38, 9-11.	2.4	7
52	Allometric considerations when assessing aortic aneurysms in Turner syndrome: Implications for activity recommendations and medical decisionâ€making. American Journal of Medical Genetics, Part A, 2018, 176, 277-282.	1.2	7
53	Analysis of Mid1, Hccs, Arhgap6, and Msl3l1 in X-linked polydactyly (Xpl) and Patchy-fur (Paf) mutant mice. Mammalian Genome, 2001, 12, 796-798.	2.2	6
54	Large deletions and uniparental disomy detected by SNP arrays in adults with thoracic aortic aneurysms and dissections. American Journal of Medical Genetics, Part A, 2010, 152A, 2399-2405.	1.2	6

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55	Human Metabolic Individuality in Biomedical and Pharmaceutical Research. Circulation: Cardiovascular Genetics, 2011, 4, 714-715.	5.1	6
56	Summary: International consensus statement on nomenclature and classification of the congenital bicuspid aortic valve and its aortopathy, for clinical, surgical, interventional, and research purposes. Journal of Thoracic and Cardiovascular Surgery, 2021, 162, 781-797.	0.8	6
57	In-hospital outcomes and long-term survival of women of childbearing age with aortic dissection. Journal of Vascular Surgery, 2021, 74, 1135-1142.e1.	1.1	6
58	The impact of somatic mosaicism on bicuspid aortic valve and aortic dissection in Turner Syndrome. American Journal of Medical Genetics, Part C: Seminars in Medical Genetics, 2019, 181, 110-115.	1.6	5
59	â€œDonating our bodies to scienceâ€• A discussion about autopsy and organ donation in Turner syndrome. American Journal of Medical Genetics, Part C: Seminars in Medical Genetics, 2019, 181, 22-28.	1.6	4
60	Aortic root dilatation and dilated cardiomyopathy in an adult with <scp>Tattonâ€Brownâ€Rahman</scp> syndrome. American Journal of Medical Genetics, Part A, 2022, 188, 628-634.	1.2	4
61	Turner syndromeâ€specific and general population Zâ€scores are equivalent for most adults with Turner syndrome. American Journal of Medical Genetics, Part A, 2017, 173, 1094-1096.	1.2	3
62	Aortic Dilatation with Bicuspid Aortic Valve. New England Journal of Medicine, 2014, 371, 683-683.	27.0	2
63	RECURRENT GENOMIC COPY NUMBER VARIANTS IMPLICATE NEW CANDIDATE GENES FOR EARLY ONSET BICUSPID AORTIC VALVE DISEASE. Journal of the American College of Cardiology, 2019, 73, 620.	2.8	2
64	Summary: international consensus statement on nomenclature and classification of the congenital bicuspid aortic valve and its aortopathy, for clinical, surgical, interventional and research purposes. European Journal of Cardio-thoracic Surgery, 2021, 60, 481-496.	1.4	2
65	Prevalence and clinical characteristics of inappropriate myocardial perfusion imaging tests at a community hospital. BMJ Open Quality, 2019, 8, e000487.	1.1	1
66	TGFBR1 Rare Variant Associated With Thoracic Aortic Aneurysm, Double Chamber Left Ventricle, Coronary Anomaly, and Inducible Ventricular Tachycardia. Circulation: Cardiovascular Imaging, 2020, 13, e010084.	2.6	1
67	An unusual cause of acute pericarditis: a case report. European Heart Journal - Case Reports, 2021, 5, ytaa535.	0.6	1
68	Summary: International Consensus Statement on Nomenclature and Classification of the Congenital Bicuspid Aortic Valve and Its Aortopathy, for Clinical, Surgical, Interventional and Research Purposes. Annals of Thoracic Surgery, 2021, 112, 1005-1022.	1.3	1
69	Pacemaker endocarditis viewed via intracardiac ultrasonography. Texas Heart Institute Journal, 2008, 35, 487-8.	0.3	1
70	An Obligatory Role for Sox17 in Cardiac Myocyte Formation by ES Cells. Journal of Cardiac Failure, 2006, 12, S1.	1.7	0
71	Top Advances in Functional Genomics and Translational Biology for 2010. Circulation: Cardiovascular Genetics, 2011, 4, 94-97.	5.1	0
72	Top Advances in Functional Genomics and Translational Biology for 2012. Circulation: Cardiovascular Genetics, 2013, 6, 132-134.	5.1	0

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73	Not â€œZâ€•end of the story: Do Z scores help to guide surgical decisions about the ascending aorta in patients with bicuspid aortic valve?. Journal of Thoracic and Cardiovascular Surgery, 2018, 155, 560-561.	0.8	0
74	RS20. Outcomes of Women in Childbearing Age With Aortic Dissection: Results From a Single-Center Database. Journal of Vascular Surgery, 2019, 69, e203.	1.1	0
75	Ulnar Artery Aneurysm as a Late Sequela of Marfan Syndrome. Journal of Hand Surgery, 2020, 45, 1090.e1-1090.e5.	1.6	0
76	Abstract 15169: De Novo Variants of USP10 in Early Onset Bicuspid Aortic Valve Disease. Circulation, 2020, 142, .	1.6	0
77	Abstract 15129: Outcomes Related to Age of Elective Surgery and Age of Dissection Within Genetically Triggered Aneurysm Conditions: The Gentac Experience. Circulation, 2020, 142, .	1.6	0