

# Sanjana Dayal, Faha

## 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.

56 papers	2,481 citations	22 h-index	49 g-index
57 ext. papers	2,725 ext. citations	6.3 avg, IF	4.43 L-index

#	Paper	IF	Citations
56	Homocysteine-induced endoplasmic reticulum stress causes dysregulation of the cholesterol and triglyceride biosynthetic pathways. <i>Journal of Clinical Investigation</i> , <b>2001</b> , 107, 1263-73	15.9	538
55	Protein phosphatase 2A methyltransferase links homocysteine metabolism with tau and amyloid precursor protein regulation. <i>Journal of Neuroscience</i> , <b>2007</b> , 27, 2751-9	6.6	188
54	Endothelial dysfunction and elevation of S-adenosylhomocysteine in cystathionine beta-synthase-deficient mice. <i>Circulation Research</i> , <b>2001</b> , 88, 1203-9	15.7	179
53	Association of multiple cellular stress pathways with accelerated atherosclerosis in hyperhomocysteinemic apolipoprotein E-deficient mice. <i>Circulation</i> , <b>2004</b> , 110, 207-13	16.7	171
52	Cerebral vascular dysfunction mediated by superoxide in hyperhomocysteinemic mice. <i>Stroke</i> , <b>2004</b> , 35, 1957-62	6.7	135
51	Hydrogen peroxide promotes aging-related platelet hyperactivation and thrombosis. <i>Circulation</i> , <b>2013</b> , 127, 1308-16	16.7	113
50	Deficiency of glutathione peroxidase-1 sensitizes hyperhomocysteinemic mice to endothelial dysfunction. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2002</b> , 22, 1996-2002	9.4	86
49	Perturbations in homocysteine-linked redox homeostasis in a murine model for hyperhomocysteinemia. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2004</b> , 287, R39-46	3.2	85
48	Hyperhomocysteinemia, endothelial dysfunction, and cardiovascular risk: the potential role of ADMA. <i>Atherosclerosis Supplements</i> , <b>2003</b> , 4, 61-5	1.7	83
47	Murine models of hyperhomocysteinemia and their vascular phenotypes. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2008</b> , 28, 1596-605	9.4	80
46	Enhanced susceptibility to arterial thrombosis in a murine model of hyperhomocysteinemia. <i>Blood</i> , <b>2006</b> , 108, 2237-43	2.2	78
45	Folate dependence of hyperhomocysteinemia and vascular dysfunction in cystathionine beta-synthase-deficient mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2000</b> , 279, H970-5	5.2	76
44	Glutathione peroxidase-1 plays a major role in protecting against angiotensin II-induced vascular dysfunction. <i>Hypertension</i> , <b>2008</b> , 51, 872-7	8.5	71
43	Epigenetic regulation of hepatic endoplasmic reticulum stress pathways in the ethanol-fed cystathionine beta synthase-deficient mouse. <i>Hepatology</i> , <b>2010</b> , 51, 932-41	11.2	65
42	Cerebral vascular dysfunction in methionine synthase-deficient mice. <i>Circulation</i> , <b>2005</b> , 112, 737-44	16.7	54
41	ADMA and hyperhomocysteinemia. <i>Vascular Medicine</i> , <b>2005</b> , 10 Suppl 1, S27-33	3.3	51
40	Tissue-specific downregulation of dimethylarginine dimethylaminohydrolase in hyperhomocysteinemia. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2008</b> , 295, H816-25	5.2	47

39	Testosterone regulation of renal cystathionine beta-synthase: implications for sex-dependent differences in plasma homocysteine levels. <i>American Journal of Physiology - Renal Physiology</i> , <b>2007</b> , 293, F594-600	4.3	42
38	Standard prophylactic versus intermediate dose enoxaparin in adults with severe COVID-19: A multi-center, open-label, randomized controlled trial. <i>Journal of Thrombosis and Haemostasis</i> , <b>2021</b> , 19, 2225-2234	15.4	37
37	Paradoxical absence of a prothrombotic phenotype in a mouse model of severe hyperhomocysteinemia. <i>Blood</i> , <b>2012</b> , 119, 3176-83	2.2	29
36	Multilineage hemopoietic stem cell defects in Budd Chiari syndrome. <i>Journal of Hepatology</i> , <b>1997</b> , 26, 293-7	13.4	27
35	Role of hydrogen peroxide and the impact of glutathione peroxidase-1 in regulation of cerebral vascular tone. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2009</b> , 29, 1130-7	7.3	26
34	Staphylococcal $\alpha$ -Toxin Modulates Human Aortic Endothelial Cell and Platelet Function through Sphingomyelinase and Biofilm Ligase Activities. <i>MBio</i> , <b>2017</b> , 8,	7.8	21
33	Methylation and gene expression responses to ethanol feeding and betaine supplementation in the cystathionine beta synthase-deficient mouse. <i>Alcoholism: Clinical and Experimental Research</i> , <b>2014</b> , 38, 1540-9	3.7	20
32	Nox2 NADPH oxidase is dispensable for platelet activation or arterial thrombosis in mice. <i>Blood Advances</i> , <b>2019</b> , 3, 1272-1284	7.8	20
31	Dichloroacetate, an inhibitor of pyruvate dehydrogenase kinases, inhibits platelet aggregation and arterial thrombosis. <i>Blood Advances</i> , <b>2018</b> , 2, 2029-2038	7.8	19
30	The nutrigenetics of hyperhomocysteinemia: quantitative proteomics reveals differences in the methionine cycle enzymes of gene-induced versus diet-induced hyperhomocysteinemia. <i>Molecular and Cellular Proteomics</i> , <b>2010</b> , 9, 471-85	7.6	19
29	Role of redox reactions in the vascular phenotype of hyperhomocysteinemic animals. <i>Antioxidants and Redox Signaling</i> , <b>2007</b> , 9, 1899-909	8.4	19
28	Deficiency of superoxide dismutase promotes cerebral vascular hypertrophy and vascular dysfunction in hyperhomocysteinemia. <i>PLoS ONE</i> , <b>2017</b> , 12, e0175732	3.7	16
27	Protective vascular and cardiac effects of inducible nitric oxide synthase in mice with hyperhomocysteinemia. <i>PLoS ONE</i> , <b>2014</b> , 9, e107734	3.7	13
26	Deficiency of superoxide dismutase impairs protein C activation and enhances susceptibility to experimental thrombosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2015</b> , 35, 1798-804	9.4	12
25	Memantine Protects From Exacerbation of Ischemic Stroke and Blood Brain Barrier Disruption in Mild But Not Severe Hyperhomocysteinemia. <i>Journal of the American Heart Association</i> , <b>2020</b> , 9, e013368	6	11
24	Glutathione peroxidase-1 overexpression reduces oxidative stress, and improves pathology and proteome remodeling in the kidneys of old mice. <i>Aging Cell</i> , <b>2020</b> , 19, e13154	9.9	8
23	Helicopter "Drip and Ship" Flights Do Not Alter the Pharmacological Integrity of rtPA. <i>Journal of Stroke and Cerebrovascular Diseases</i> , <b>2018</b> , 27, 2720-2724	2.8	8
22	RNA inhibitors of nuclear proteins responsible for multiple organ dysfunction syndrome. <i>Nature Communications</i> , <b>2019</b> , 10, 116	17.4	6

21	Modulators of platelet function in aging. <i>Platelets</i> , <b>2020</b> , 31, 474-482	3.6	6
20	Masked polycythaemia vera in a patient with extrahepatic portal venous obstruction. <i>European Journal of Gastroenterology and Hepatology</i> , <b>1998</b> , 10, 883-5	2.2	5
19	Cerebral Vascular Dysfunction in Methionine Synthase-Deficient Mice.. <i>Blood</i> , <b>2004</b> , 104, 2617-2617	2.2	3
18	Polycythemia vera: overt to latent form in a patient with Budd-Chiari syndrome. <i>Journal of Clinical Gastroenterology</i> , <b>1996</b> , 22, 76-7	3	3
17	Tissue plasminogen activator and plasminogen activator inhibitor status in Budd-Chiari syndrome. <i>Pathophysiology of Haemostasis and Thrombosis: International Journal on Haemostasis and Thrombosis Research</i> , <b>1996</b> , 26, 284-7		2
16	Hyperhomocysteinemic Mice Have Increased Susceptibility to Carotid Artery Thrombosis.. <i>Blood</i> , <b>2004</b> , 104, 2616-2616	2.2	2
15	Platelet antioxidants: A conundrum in aging. <i>EBioMedicine</i> , <b>2019</b> , 47, 29-30	8.8	1
14	Letter by Sonkar et al Regarding Article, "Class III PI3K Positively Regulates Platelet Activation and Thrombosis via PI(3)P-Directed Function of NADPH Oxidase". <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2018</b> , 38, e25	9.4	1
13	COVID-19-Associated Coagulopathy: Safety and Efficacy of Prophylactic Anticoagulation Therapy in Hospitalized Adults with COVID-19. <i>Blood</i> , <b>2020</b> , 136, 11-11	2.2	1
12	Overt polycythemia vera after splenopneumopexy in a patient with Budd-Chiari syndrome. <i>Journal of Clinical Gastroenterology</i> , <b>1997</b> , 25, 491-2	3	1
11	Inflammation mediated platelet hyperactivity in aging. <i>Annals of Blood</i> , <b>2020</b> , 5,	0.6	1
10	Thrombotic potential during pediatric acute lymphoblastic leukemia induction: Role of cell-free DNA. <i>Research and Practice in Thrombosis and Haemostasis</i> , <b>2021</b> , 5, e12557	5.1	1
9	DNase 1 Protects From Increased Thrombin Generation and Venous Thrombosis During Aging: Cross-Sectional Study in Mice and Humans.. <i>Journal of the American Heart Association</i> , <b>2022</b> , e021188	6	0
8	Homocysteine <b>2015</b> , 53-62		
7	Increased ratio of thromboxane B2 and 6-keto PGF1 alpha in patients of hepatic venous outflow obstruction. <i>European Journal of Haematology</i> , <b>1996</b> , 57, 328-9	3.8	
6	Genetic Evidence that Cerebrovascular Responses to Arachidonic Acid are Mediated by Hydrogen Peroxide Produced by SOD-1. <i>FASEB Journal</i> , <b>2007</b> , 21, A1384	0.9	
5	the NADPH Oxidase Catalytic Subunit Nox2 Displays Differential Roles in Arterial Vs. Venous Thrombosis. <i>Blood</i> , <b>2016</b> , 128, 4907-4907	2.2	
4	The Effects of Optic Atrophy Protein (OPA)-1 Deletion on Platelet Function Is Regulated By the Hormonal Milieu. <i>Blood</i> , <b>2016</b> , 128, 410-410	2.2	

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| 3 | Endothelial Dysfunction and Paradoxical Resistance to Thrombosis in a Transgenic Mouse Model of Severe Hyperhomocysteinemia.. <i>Blood</i> , <b>2008</b> , 112, 1889-1889              | 2.2 |
| 2 | Deficiency of Superoxide Dismutase Impairs Generation of Activated Protein C and Enhances Susceptibility to Experimental Thrombosis in Mice. <i>Blood</i> , <b>2011</b> , 118, 535-535 | 2.2 |
| 1 | Redox Mechanisms of Platelet Activation in Aging. <i>Antioxidants</i> , <b>2022</b> , 11, 995  | 7.1 |