Sanjana Dayal, Faha

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

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

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

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