Sanjana Dayal, Faha

List of Publications by Year
in descending order

56 papers	3,023 citations	236925 25 h-index	182427 51 g-index
57 all docs	57 docs citations	57 times ranked	3828 citing authors

#	Article	IF	Citations
1	Homocysteine-induced endoplasmic reticulum stress causes dysregulation of the cholesterol and triglyceride biosynthetic pathways. Journal of Clinical Investigation, 2001, 107, 1263-1273.	8.2	619
2	Protein Phosphatase 2A Methyltransferase Links Homocysteine Metabolism with Tau and Amyloid Precursor Protein Regulation. Journal of Neuroscience, 2007, 27, 2751-2759.	3.6	216
3	Endothelial Dysfunction and Elevation of <i>S</i> -Adenosylhomocysteine in Cystathionine Î²-Synthaseâ€“Deficient Mice. Circulation Research, 2001, 88, 1203-1209.	4.5	202
4	Association of Multiple Cellular Stress Pathways With Accelerated Atherosclerosis in Hyperhomocysteinemic Apolipoprotein E-Deficient Mice. Circulation, 2004, 110, 207-213.	1.6	193
5	Hydrogen Peroxide Promotes Aging-Related Platelet Hyperactivation and Thrombosis. Circulation, 2013, 127, 1308-1316.	1.6	150
6	Cerebral Vascular Dysfunction Mediated by Superoxide in Hyperhomocysteinemic Mice. Stroke, 2004, 35, 1957-1962.	2.0	146
7	Standard prophylactic versus intermediate dose enoxaparin in adults with severe COVIDâ€19: A multiâ€center, openâ€label, randomized controlled trial. Journal of Thrombosis and Haemostasis, 2021, 19, 2225-2234.	3.8	103
8	Murine Models of Hyperhomocysteinemia and Their Vascular Phenotypes. Arteriosclerosis, Thrombosis, and Vascular Biology, 2008, 28, 1596-1605.	2.4	100
9	Deficiency of Glutathione Peroxidase-1 Sensitizes Hyperhomocysteinemic Mice to Endothelial Dysfunction. Arteriosclerosis, Thrombosis, and Vascular Biology, 2002, 22, 1996-2002.	2.4	99
10	Perturbations in homocysteine-linked redox homeostasis in a murine model for hyperhomocysteinemia. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2004, 287, R39-R46.	1.8	96
11	Hyperhomocysteinemia, endothelial dysfunction, and cardiovascular risk: the potential role of ADMA. Atherosclerosis Supplements, 2003, 4, 61-65.	1.2	95
12	Folate dependence of hyperhomocysteinemia and vascular dysfunction in cystathionine Î²-synthase-deficient mice. American Journal of Physiology - Heart and Circulatory Physiology, 2000, 279, H970-H975.	3.2	89
13	Enhanced susceptibility to arterial thrombosis in a murine model of hyperhomocysteinemia. Blood, 2006, 108, 2237-2243.	1.4	85
14	Glutathione Peroxidase-1 Plays a Major Role in Protecting Against Angiotensin IIâ€“Induced Vascular Dysfunction. Hypertension, 2008, 51, 872-877.	2.7	79
15	Epigenetic regulation of hepatic endoplasmic reticulum stress pathways in the ethanol-fed cystathionine beta synthase-deficient mouse. Hepatology, 2010, 51, 932-941.	7.3	72
16	ADMA and hyperhomocysteinemia. Vascular Medicine, 2005, 10, S27-S33.	1.5	62
17	Cerebral Vascular Dysfunction in Methionine Synthaseâ€“Deficient Mice. Circulation, 2005, 112, 737-744.	1.6	60
18	Tissue-specific downregulation of dimethylarginine dimethylaminohydrolase in hyperhomocysteinemia. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 295, H816-H825.	3.2	52

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19	Testosterone regulation of renal cystathionine Î²-synthase: implications for sex-dependent differences in plasma homocysteine levels. American Journal of Physiology - Renal Physiology, 2007, 293, F594-F600.	2.7	47
20	Dichloroacetate, an inhibitor of pyruvate dehydrogenase kinases, inhibits platelet aggregation and arterial thrombosis. Blood Advances, 2018, 2, 2029-2038.	5.2	38
21	Multilineage hempoietic stem cell defects in Budd Chiari syndrome. Journal of Hepatology, 1997, 26, 293-297.	3.7	35
22	Nox2 NADPH oxidase is dispensable for platelet activation or arterial thrombosis in mice. Blood Advances, 2019, 3, 1272-1284.	5.2	34
23	Paradoxical absence of a prothrombotic phenotype in a mouse model of severe hyperhomocysteinemia. Blood, 2012, 119, 3176-3183.	1.4	32
24	Glutathione peroxidaseâ€1 overexpression reduces oxidative stress, and improves pathology and proteome remodeling in the kidneys of old mice. Aging Cell, 2020, 19, e13154.	6.7	31
25	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, 1130-1137.	4.3	30
26	Staphylococcal Î²-Toxin Modulates Human Aortic Endothelial Cell and Platelet Function through Sphingomyelinase and Biofilm Ligase Activities. MBio, 2017, 8, .	4.1	30
27	Role of Redox Reactions in the Vascular Phenotype of Hyperhomocysteinemic Animals. Antioxidants and Redox Signaling, 2007, 9, 1899-1910.	5.4	24
28	The Nutrigenetics of Hyperhomocysteinemia. Molecular and Cellular Proteomics, 2010, 9, 471-485.	3.8	22
29	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, 1540-1549.	2.4	22
30	Deficiency of Superoxide Dismutase Impairs Protein C Activation and Enhances Susceptibility to Experimental Thrombosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, 1798-1804.	2.4	21
31	Deficiency of superoxide dismutase promotes cerebral vascular hypertrophy and vascular dysfunction in hyperhomocysteinemia. PLoS ONE, 2017, 12, e0175732.	2.5	20
32	Protective Vascular and Cardiac Effects of Inducible Nitric Oxide Synthase in Mice with Hyperhomocysteinemia. PLoS ONE, 2014, 9, e107734.	2.5	17
33	Modulators of platelet function in aging. Platelets, 2020, 31, 474-482.	2.3	14
34	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.	3.7	14
35	DNase 1 Protects From Increased Thrombin Generation and Venous Thrombosis During Aging: Crossâ€Sectional Study in Mice and Humans. Journal of the American Heart Association, 2022, 11, e021188.	3.7	12
36	RNA inhibitors of nuclear proteins responsible for multiple organ dysfunction syndrome. Nature Communications, 2019, 10, 116.	12.8	11

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37	Helicopter â€œDrip and Shipâ€•Flights Do Not Alter the Pharmacological Integrity of rtPA. Journal of Stroke and Cerebrovascular Diseases, 2018, 27, 2720-2724.	1.6	9
38	The Role of Platelet-Derived Extracellular Vesicles in Immune-Mediated Thrombosis. International Journal of Molecular Sciences, 2022, 23, 7837.	4.1	9
39	Masked polycythaemia vera in a patient with extrahepatic portal venous obstruction. European Journal of Gastroenterology and Hepatology, 1998, 10, 883-886.	1.6	5
40	Thrombotic potential during pediatric acute lymphoblastic leukemia induction: Role of cellâ€free DNA. Research and Practice in Thrombosis and Haemostasis, 2021, 5, e12557.	2.3	5
41	Polycythemia Vera: Overt to Latent Form in a Patient with Budd-Chiari Syndrome. Journal of Clinical Gastroenterology, 1996, 22, 76-77.	2.2	4
42	Redox Mechanisms of Platelet Activation in Aging. Antioxidants, 2022, 11, 995.	5.1	4
43	Cerebral Vascular Dysfunction in Methionine Synthase-Deficient Mice.. Blood, 2004, 104, 2617-2617.	1.4	3
44	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, 284-287.	0.3	2
45	Inflammation mediated platelet hyperactivity in aging. Annals of Blood, 2020, 5, 10-10.	0.4	2
46	Hyperhomocysteinemic Mice Have Increased Susceptibility to Carotid Artery Thrombosis.. Blood, 2004, 104, 2616-2616.	1.4	2
47	Deficiency of Superoxide Dismutase Impairs Generation of Activated Protein C and Enhances Susceptibility to Experimental Thrombosis in Mice. Blood, 2011, 118, 535-535.	1.4	2
48	Letter by Sonkar et al Regarding Article, â€œClass III PI3K Positively Regulates Platelet Activation and Thrombosis via PI(3)P-Directed Function of NADPH Oxidaseâ€• Arteriosclerosis, Thrombosis, and Vascular Biology, 2018, 38, e25.	2.4	1
49	Platelet antioxidants: A conundrum in aging. EBioMedicine, 2019, 47, 29-30.	6.1	1
50	Overt Polycythemia Vera after Splenopneumopexy in a Patient with Budd-Chiari Syndrome. Journal of Clinical Gastroenterology, 1997, 25, 491-492.	2.2	1
51	COVID-19-Associated Coagulopathy: Safety and Efficacy of Prophylactic Anticoagulation Therapy in Hospitalized Adults with COVID-19. Blood, 2020, 136, 11-11.	1.4	1
52	Increased ratio of thromboxane B₂ and 6â€keto PGF_{1Î±} in patients of hepatic venous outflow obstruction. European Journal of Haematology, 1996, 57, 328-329.	2.2	0
53	Genetic Evidence that Cerebrovascular Responses to Arachidonic Acid are Mediated by Hydrogen Peroxide Produced by SODâ€1. FASEB Journal, 2007, 21, A1384.	0.5	0
54	Endothelial Dysfunction and Paradoxical Resistance to Thrombosis in a Transgenic Mouse Model of Severe Hyperhomocysteinemia.. Blood, 2008, 112, 1889-1889.	1.4	0

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55	the NADPH Oxidase Catalytic Subunit Nox2 Displays Differential Roles in Arterial Vs. Venous Thrombosis. Blood, 2016, 128, 4907-4907.	1.4	0
56	The Effects of Optic Atrophy Protein (OPA)-1 Deletion on Platelet Function Is Regulated By the Hormonal Milieu. Blood, 2016, 128, 410-410.	1.4	0