

# Sudhahar Varadarajan

## List of Publications by Year in descending order

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37  
papers

1,361  
citations

304602

22  
h-index

360920

35  
g-index

37  
all docs

37  
docs citations

37  
times ranked

1958  
citing authors

#	ARTICLE	IF	CITATIONS
1	Redox Regulation of Mitochondrial Fission Protein Drp1 by Protein Disulfide Isomerase Limits Endothelial Senescence. <i>Cell Reports</i> , 2018, 23, 3565-3578.	2.9	104
2	Epoxyeicosatrienoic Acid Analogs and Vascular Function. <i>Current Medicinal Chemistry</i> , 2010, 17, 1181-1190.	1.2	103
3	PRKAA1/AMPK $\beta$ 1-driven glycolysis in endothelial cells exposed to disturbed flow protects against atherosclerosis. <i>Nature Communications</i> , 2018, 9, 4667.	5.8	82
4	Role of lupeol and lupeol linoleate on lipemic oxidative stress in experimental hypercholesterolemia. <i>Life Sciences</i> , 2006, 78, 1329-1335.	2.0	74
5	Unexpected Role of the Copper Transporter ATP7A in PDGF-Induced Vascular Smooth Muscle Cell Migration. <i>Circulation Research</i> , 2010, 107, 787-799.	2.0	73
6	Protective effect of lupeol and its ester on cardiac abnormalities in experimental hypercholesterolemia. <i>Vascular Pharmacology</i> , 2007, 46, 412-418.	1.0	66
7	Copper Transport Protein Antioxidant-1 Promotes Inflammatory Neovascularization via Chaperone and Transcription Factor Function. <i>Scientific Reports</i> , 2015, 5, 14780.	1.6	63
8	Modification of Cardiac Progenitor Cell-Derived Exosomes by miR-322 Provides Protection against Myocardial Infarction through Nox2-Dependent Angiogenesis. <i>Antioxidants</i> , 2019, 8, 18.	2.2	61
9	Protective effect of lupeol and lupeol linoleate in hypercholesterolemia associated renal damage. <i>Molecular and Cellular Biochemistry</i> , 2008, 317, 11-20.	1.4	58
10	Role of Copper Transport Protein Antioxidant 1 in Angiotensin II-Induced Hypertension. <i>Hypertension</i> , 2012, 60, 476-486.	1.3	57
11	Endothelial Antioxidant-1: a Key Mediator of Copper-dependent Wound Healing in vivo. <i>Scientific Reports</i> , 2016, 6, 33783.	1.6	55
12	IQGAP1 links PDGF receptor- $\beta$ 2 signal to focal adhesions involved in vascular smooth muscle cell migration: role in neointimal formation after vascular injury. <i>American Journal of Physiology - Cell Physiology</i> , 2013, 305, C591-C600.	2.1	40
13	Novel Role of Reactive Oxygen Species-Activated <i>trp</i> Melastatin Channel-2 in Mediating Angiogenesis and Postischemic Neovascularization. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015, 35, 877-887.	1.1	40
14	Mechanisms involved in oleamide-induced vasorelaxation in rat mesenteric resistance arteries. <i>European Journal of Pharmacology</i> , 2009, 607, 143-150.	1.7	37
15	Critical Role of Endothelial Hydrogen Peroxide in Post-Ischemic Neovascularization. <i>PLoS ONE</i> , 2013, 8, e57618.	1.1	33
16	Protective effect of lipoic acid on oxidative and peroxidative damage in cyclosporine A-induced renal toxicity. <i>International Immunopharmacology</i> , 2007, 7, 1442-1449.	1.7	32
17	Protective role of eicosapentaenoate-lipoate (EPA-LA) derivative in combating oxidative hepatocellular injury in hypercholesterolemic atherogenesis. <i>Atherosclerosis</i> , 2006, 189, 115-122.	0.4	31
18	Copper Transporter ATP7A Protects Against Endothelial Dysfunction in Type 1 Diabetic Mice by Regulating Extracellular Superoxide Dismutase. <i>Diabetes</i> , 2013, 62, 3839-3850.	0.3	31

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19	Akt2 (Protein Kinase B Beta) Stabilizes ATP7A, a Copper Transporter for Extracellular Superoxide Dismutase, in Vascular Smooth Muscle. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018, 38, 529-541.	1.1	31
20	Copper Transporter ATP7A (Copper-Transporting P-Type ATPase/Menkes ATPase) Limits Vascular Inflammation and Aortic Aneurysm Development. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019, 39, 2320-2337.	1.1	28
21	Novel Role of Copper Transport Protein Antioxidant-1 in Neointimal Formation After Vascular Injury. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013, 33, 805-813.	1.1	27
22	Antirolithic Effect of Lupeol and Lupeol Linoleate in Experimental Hyperoxaluria. <i>Journal of Natural Products</i> , 2008, 71, 1509-1512.	1.5	26
23	Nitroglycerin drives endothelial nitric oxide synthase activation via the phosphatidylinositol 3-kinase/protein kinase B pathway. <i>Free Radical Biology and Medicine</i> , 2012, 52, 427-435.	1.3	24
24	Remedial effect of lupeol and its ester derivative on hypercholesterolemia-induced oxidative and inflammatory stresses. <i>Nutrition Research</i> , 2007, 27, 778-787.	1.3	22
25	Mitigating role of lupeol and lupeol linoleate on hepatic lipemic-oxidative injury and lipoprotein peroxidation in experimental hypercholesterolemia. <i>Molecular and Cellular Biochemistry</i> , 2007, 295, 189-198.	1.4	21
26	Short-term regular aerobic exercise reduces oxidative stress produced by acute high intraluminal pressure in the adipose microvasculature. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017, 312, H896-H906.	1.5	19
27	A novel regulator of angiogenesis in endothelial cells: 5-hydroxytryptamine 4 receptor. <i>Angiogenesis</i> , 2013, 16, 15-28.	3.7	18
28	Nitroglycerin Tolerance in Caveolin-1 Deficient Mice. <i>PLoS ONE</i> , 2014, 9, e104101.	1.1	18
29	Attenuation of serum lipid abnormalities and cardiac oxidative stress by eicosapentaenoate "lipoate (EPA "LA) derivative in experimental hypercholesterolemia. <i>Clinica Chimica Acta</i> , 2005, 355, 197-204.	0.5	16
30	Role of lupeol and its ester on cyclophosphamide-induced hyperlipidaemic cardiomyopathy in rats. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 57, 1437-1444.	1.2	16
31	Renin-Angiotensin Activation and Oxidative Stress in Early Heart Failure with Preserved Ejection Fraction. <i>BioMed Research International</i> , 2015, 2015, 1-7.	0.9	15
32	Copper transporter ATP7A interacts with IQGAP1, a Rac1 binding scaffolding protein: role in PDGF-induced VSMC migration and vascular remodeling. <i>American Journal of Physiology - Cell Physiology</i> , 2018, 315, C850-C862.	2.1	15
33	Novel interaction of antioxidant-1 with TRAF4: role in inflammatory responses in endothelial cells. <i>American Journal of Physiology - Cell Physiology</i> , 2019, 317, C1161-C1171.	2.1	12
34	Caveolin-1 stabilizes ATP7A, a copper transporter for extracellular SOD, in vascular tissue to maintain endothelial function. <i>American Journal of Physiology - Cell Physiology</i> , 2020, 319, C933-C944.	2.1	12
35	Abstract 14078: Ros-dependent Sumoylation of Cu Chaperone Atox1 Drives Its Nuclear Translocation to Promote Inflammatory Angiogenesis Induced by Ischemic Injury. <i>Circulation</i> , 2020, 142, .	1.6	1
36	Exercise Improves Exosome Function via Increasing Extracellular SOD and Cu transporter ATP7A to Restore the Impaired Angiogenesis in Type 2 Diabetic Mice. <i>FASEB Journal</i> , 2019, 33, 536.6.	0.2	0

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37	Abstract 13610: Endothelial Cu Transporter Atp7a Promotes Vegfr2 Signaling and Post-ischemic Neovascularization via Regulating Autophagy. Circulation, 2020, 142, .	1.6	0