Gopi K Kolluru

List of Publications by Year
in descending order

45	2,714	201674	223800
papers	citations	27 h-index	46 g-index

56	56	56	3809
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Decreased bioavailability of hydrogen sulfide links vascular endothelium and atrial remodeling in atrial fibrillation. Redox Biology, 2021, 38, 101817.	9.0	17
2	Decreased availability of nitric oxide and hydrogen sulfide is a hallmark of COVID-19. Redox Biology, 2021, 43, 101982.	9.0	59
3	Methamphetamine induces cardiomyopathy by Sigmar1 inhibition-dependent impairment of mitochondrial dynamics and function. Communications Biology, 2020, 3, 682.	4.4	32
4	It's a â€œGut Feelingâ€• Association of Microbiota, Trimethylamine Nâ€Oxide and Cardiovascular Outcomes. Journal of the American Heart Association, 2020, 9, e016553.	3.7	3
5	Neurogranin regulates eNOS function and endothelial activation. Redox Biology, 2020, 34, 101487.	9.0	17
6	Reactive Sulfur Species. Arteriosclerosis, Thrombosis, and Vascular Biology, 2020, 40, 874-884.	2.4	67
7	Macrophage Metabolism of Apoptotic Cell-Derived Arginine Promotes Continual Efferocytosis and Resolution of Injury. Cell Metabolism, 2020, 31, 518-533.e10.	16.2	235
8	Hydrogen sulfide stimulates xanthine oxidoreductase conversion to nitrite reductase and formation of NO. Redox Biology, 2020, 34, 101447.	9.0	24
9	Methamphetamine Use and Cardiovascular Disease. Arteriosclerosis, Thrombosis, and Vascular Biology, 2019, 39, 1739-1746.	2.4	155
10	Nitric Oxide and Hydrogen Sulfide Regulation of Ischemic Vascular Growth and Remodeling. , 2019, 9, 1213-1247.		47
11	Total sulfane sulfur bioavailability reflects ethnic and gender disparities in cardiovascular disease. Redox Biology, 2018, 15, 480-489.	9.0	39
12	Gasotransmitter Heterocellular Signaling. Antioxidants and Redox Signaling, 2017, 26, 936-960.	5.4	53
13	AltitudeOmics: Red Blood Cell Metabolic Adaptation to High Altitude Hypoxia. Journal of Proteome Research, 2016, 15, 3883-3895.	3.7	98
14	Oxygen tension, H₂S, and NO bioavailability: is there an interaction?. Journal of Applied Physiology, 2016, 120, 263-270.	2.5	14
15	Measurement of H2S In Vivo and In Vitro by the Monobromobimane Method. Methods in Enzymology, 2015, 554, 31-45.	1.0	86
16	H2S Regulation of Nitric Oxide Metabolism. Methods in Enzymology, 2015, 554, 271-297.	1.0	40
17	Cystathionine Î³-lyase regulates arteriogenesis through NO-dependent monocyte recruitment. Cardiovascular Research, 2015, 107, 590-600.	3.8	54
18	Biological activities of fusarochromanone: a potent anti-cancer agent. BMC Research Notes, 2014, 7, 601.	1.4	14

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19	Rho-kinase as a therapeutic target in vascular diseases: Striking nitric oxide signaling. Nitric Oxide - Biology and Chemistry, 2014, 43, 45-54.	2.7	24
20	Nitrite Anion Therapy Protects Against Chronic Ischemic Tissue Injury in db/db Diabetic Mice in a NO/VEGF-Dependent Manner. Diabetes, 2014, 63, 270-281.	0.6	42
21	A comparative study of NONOate based NO donors: Spermine NONOate is the best suited NO donor for angiogenesis. Nitric Oxide - Biology and Chemistry, 2014, 36, 76-86.	2.7	27
22	S7-1 Vascular sulfide metabolism during ischemia. Nitric Oxide - Biology and Chemistry, 2014, 39, S8-S9.	2.7	0
23	Hydrogen sulfide chemical biology: Pathophysiological roles and detection. Nitric Oxide - Biology and Chemistry, 2013, 35, 5-20.	2.7	376
24	The Gene Expression of Adenosine Receptors in the Processes of Contrast Induced Nephropathy in Mouse Kidney. Journal of Vascular Surgery, 2013, 57, 80S-81S.	1.1	2
25	A tale of two gases: NO and H2S, foes or friends for life?. Redox Biology, 2013, 1, 313-318.	9.0	151
26	Intravascular Radiocontrast Iodixanol Increases Permeability of Proximal Tubule Epithelium. Vascular and Endovascular Surgery, 2013, 47, 632-638.	0.7	7
27	Beets, Bacteria, and Blood Flow. Circulation, 2012, 126, 1939-1940.	1.6	1
28	Hydrogen Sulfide Stimulates Ischemic Vascular Remodeling Through Nitric Oxide Synthase and Nitrite Reduction Activity Regulating Hypoxiaâ€inducible Factorâ€1Î± and Vascular Endothelial Growth Factorâ€“Dependent Angiogenesis. Journal of the American Heart Association, 2012, 1, e004093.	3.7	141
29	Redox balance dynamically regulates vascular growth and remodeling. Seminars in Cell and Developmental Biology, 2012, 23, 745-757.	5.0	59
30	Nitrite anion stimulates ischemic arteriogenesis involving NO metabolism. American Journal of Physiology - Heart and Circulatory Physiology, 2012, 303, H178-H188.	3.2	18
31	Inorganic nitrite therapy: historical perspective and future directions. Free Radical Biology and Medicine, 2011, 51, 576-593.	2.9	96
32	Detection of hydrogen sulfide in biological samples: current and future. Expert Review of Clinical Pharmacology, 2011, 4, 9-12.	3.1	9
33	Simulated microgravity perturbs actin polymerization to promote nitric oxide-associated migration in human immortalized Eahy926 cells. Protoplasma, 2010, 242, 3-12.	2.1	43
34	Simulated microgravity promotes nitric oxideâ€supported angiogenesis via the iNOSâ€“cGMPâ€“PKG pathway in macrovascular endothelial cells. FEBS Letters, 2010, 584, 3415-3423.	2.8	41
35	Inhibition of dynamin-2 confers endothelial barrier dysfunctions by attenuating nitric oxide production. Cell Biology International, 2010, 34, 755-761.	3.0	5
36	eNOS phosphorylation in health and disease. Biochimie, 2010, 92, 1186-1198.	2.6	149

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37	Shear stress promotes nitric oxide production in endothelial cells by sub-cellular delocalization of eNOS: A basis for shear stress mediated angiogenesis. Nitric Oxide - Biology and Chemistry, 2010, 22, 304-315.	2.7	60
38	Secreted Frizzled-Related Protein 4. American Journal of Pathology, 2010, 176, 1505-1516.	3.8	78
39	Thalidomide attenuates nitric oxideâ€driven angiogenesis by interacting with soluble guanylyl cyclase. British Journal of Pharmacology, 2009, 158, 1720-1734.	5.4	53
40	Cadmium attenuates bradykinin-driven nitric oxide production by interplaying with the localization pattern of endothelial nitric oxide synthase. Biochemistry and Cell Biology, 2009, 87, 605-620.	2.0	19
41	Nitric oxide/cGMP protects endothelial cells from hypoxia-mediated leakiness. European Journal of Cell Biology, 2008, 87, 147-161.	3.6	36
42	Cadmium reduces nitric oxide production by impairing phosphorylation of endothelial nitric oxide synthase. Biochemistry and Cell Biology, 2008, 86, 1-10.	2.0	54
43	Activated pericyte attenuates endothelial functions: nitric oxide â€“ cGMP rescues activated pericyte-associated endothelial dysfunctions. Biochemistry and Cell Biology, 2007, 85, 709-720.	2.0	10
44	Thalidomide attenuates nitric oxide mediated angiogenesis by blocking migration of endothelial cells. BMC Cell Biology, 2006, 7, 17.	3.0	95
45	Cadmium induced endothelial dysfunction: Consequence of defective migratory pattern of endothelial cells in association with poor nitric oxide availability under cadmium challenge. Cell Biology International, 2006, 30, 427-438.	3.0	61