

# Gopi K Kolluru

## List of Publications by Year in descending order

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45  
papers

2,714  
citations

201674

27  
h-index

223800

46  
g-index

56  
all docs

56  
docs citations

56  
times ranked

3809  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrogen sulfide chemical biology: Pathophysiological roles and detection. Nitric Oxide - Biology and Chemistry, 2013, 35, 5-20.	2.7	376
2	Macrophage Metabolism of Apoptotic Cell-Derived Arginine Promotes Continual Efferocytosis and Resolution of Injury. Cell Metabolism, 2020, 31, 518-533.e10.	16.2	235
3	Methamphetamine Use and Cardiovascular Disease. Arteriosclerosis, Thrombosis, and Vascular Biology, 2019, 39, 1739-1746.	2.4	155
4	A tale of two gases: NO and H <sub>2</sub> S, foes or friends for life?. Redox Biology, 2013, 1, 313-318.	9.0	151
5	eNOS phosphorylation in health and disease. Biochimie, 2010, 92, 1186-1198.	2.6	149
6	Hydrogen Sulfide Stimulates Ischemic Vascular Remodeling Through Nitric Oxide Synthase and Nitrite Reduction Activity Regulating Hypoxia-Inducible Factor-1 $\alpha$ and Vascular Endothelial Growth Factor-Dependent Angiogenesis. Journal of the American Heart Association, 2012, 1, e004093.	3.7	141
7	AltitudeOmics: Red Blood Cell Metabolic Adaptation to High Altitude Hypoxia. Journal of Proteome Research, 2016, 15, 3883-3895.	3.7	98
8	Inorganic nitrite therapy: historical perspective and future directions. Free Radical Biology and Medicine, 2011, 51, 576-593.	2.9	96
9	Thalidomide attenuates nitric oxide mediated angiogenesis by blocking migration of endothelial cells. BMC Cell Biology, 2006, 7, 17.	3.0	95
10	Measurement of H <sub>2</sub> S In Vivo and In Vitro by the Monobromobimane Method. Methods in Enzymology, 2015, 554, 31-45.	1.0	86
11	Secreted Frizzled-Related Protein 4. American Journal of Pathology, 2010, 176, 1505-1516.	3.8	78
12	Reactive Sulfur Species. Arteriosclerosis, Thrombosis, and Vascular Biology, 2020, 40, 874-884.	2.4	67
13	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
14	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
15	Redox balance dynamically regulates vascular growth and remodeling. Seminars in Cell and Developmental Biology, 2012, 23, 745-757.	5.0	59
16	Decreased availability of nitric oxide and hydrogen sulfide is a hallmark of COVID-19. Redox Biology, 2021, 43, 101982.	9.0	59
17	Cadmium reduces nitric oxide production by impairing phosphorylation of endothelial nitric oxide synthase. Biochemistry and Cell Biology, 2008, 86, 1-10.	2.0	54
18	Cystathionine $\beta$ -lyase regulates arteriogenesis through NO-dependent monocyte recruitment. Cardiovascular Research, 2015, 107, 590-600.	3.8	54

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19	Thalidomide attenuates nitric oxide-driven angiogenesis by interacting with soluble guanylyl cyclase. <i>British Journal of Pharmacology</i> , 2009, 158, 1720-1734.	5.4	53
20	Gasotransmitter Heterocellular Signaling. <i>Antioxidants and Redox Signaling</i> , 2017, 26, 936-960.	5.4	53
21	Nitric Oxide and Hydrogen Sulfide Regulation of Ischemic Vascular Growth and Remodeling. , 2019, 9, 1213-1247.		47
22	Simulated microgravity perturbs actin polymerization to promote nitric oxide-associated migration in human immortalized Eahy926 cells. <i>Protoplasma</i> , 2010, 242, 3-12.	2.1	43
23	Nitrite Anion Therapy Protects Against Chronic Ischemic Tissue Injury in <i>db/db</i> Diabetic Mice in a NO/VEGF-Dependent Manner. <i>Diabetes</i> , 2014, 63, 270-281.	0.6	42
24	Simulated microgravity promotes nitric oxide-supported angiogenesis via the iNOS-cGMP-PKG pathway in macrovascular endothelial cells. <i>FEBS Letters</i> , 2010, 584, 3415-3423.	2.8	41
25	H <sub>2</sub> S Regulation of Nitric Oxide Metabolism. <i>Methods in Enzymology</i> , 2015, 554, 271-297.	1.0	40
26	Total sulfane sulfur bioavailability reflects ethnic and gender disparities in cardiovascular disease. <i>Redox Biology</i> , 2018, 15, 480-489.	9.0	39
27	Nitric oxide/cGMP protects endothelial cells from hypoxia-mediated leakiness. <i>European Journal of Cell Biology</i> , 2008, 87, 147-161.	3.6	36
28	Methamphetamine induces cardiomyopathy by Sigmar1 inhibition-dependent impairment of mitochondrial dynamics and function. <i>Communications Biology</i> , 2020, 3, 682.	4.4	32
29	A comparative study of NONOate based NO donors: Spermine NONOate is the best suited NO donor for angiogenesis. <i>Nitric Oxide - Biology and Chemistry</i> , 2014, 36, 76-86.	2.7	27
30	Rho-kinase as a therapeutic target in vascular diseases: Striking nitric oxide signaling. <i>Nitric Oxide - Biology and Chemistry</i> , 2014, 43, 45-54.	2.7	24
31	Hydrogen sulfide stimulates xanthine oxidoreductase conversion to nitrite reductase and formation of NO. <i>Redox Biology</i> , 2020, 34, 101447.	9.0	24
32	Cadmium attenuates bradykinin-driven nitric oxide production by interplaying with the localization pattern of endothelial nitric oxide synthase. <i>Biochemistry and Cell Biology</i> , 2009, 87, 605-620.	2.0	19
33	Nitrite anion stimulates ischemic arteriogenesis involving NO metabolism. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012, 303, H178-H188.	3.2	18
34	Neurogranin regulates eNOS function and endothelial activation. <i>Redox Biology</i> , 2020, 34, 101487.	9.0	17
35	Decreased bioavailability of hydrogen sulfide links vascular endothelium and atrial remodeling in atrial fibrillation. <i>Redox Biology</i> , 2021, 38, 101817.	9.0	17
36	Biological activities of fusarochromanone: a potent anti-cancer agent. <i>BMC Research Notes</i> , 2014, 7, 601.	1.4	14

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37	Oxygen tension, H <sub>2</sub> S, and NO bioavailability: is there an interaction?. Journal of Applied Physiology, 2016, 120, 263-270.	2.5	14
38	Activated pericyte attenuates endothelial functions: nitric oxide cGMP rescues activated pericyte-associated endothelial dysfunctions. Biochemistry and Cell Biology, 2007, 85, 709-720.	2.0	10
39	Detection of hydrogen sulfide in biological samples: current and future. Expert Review of Clinical Pharmacology, 2011, 4, 9-12.	3.1	9
40	Intravascular Radiocontrast Iodixanol Increases Permeability of Proximal Tubule Epithelium. Vascular and Endovascular Surgery, 2013, 47, 632-638.	0.7	7
41	Inhibition of dynamin-2 confers endothelial barrier dysfunctions by attenuating nitric oxide production. Cell Biology International, 2010, 34, 755-761.	3.0	5
42	It's a "Gut Feeling": Association of Microbiota, Trimethylamine N-Oxide and Cardiovascular Outcomes. Journal of the American Heart Association, 2020, 9, e016553.	3.7	3
43	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
44	Beets, Bacteria, and Blood Flow. Circulation, 2012, 126, 1939-1940.	1.6	1
45	S7-1 Vascular sulfide metabolism during ischemia. Nitric Oxide - Biology and Chemistry, 2014, 39, S8-S9.	2.7	0