

Katherine C Wood

List of Publications by Year in descending order

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13
papers

253
citations

1163117

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1199594

12
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14
docs citations

14
times ranked

309
citing authors

#	ARTICLE	IF	CITATIONS
1	Cytochrome b5 Reductase 3 Modulates Soluble Guanylate Cyclase Redox State and cGMP Signaling. <i>Circulation Research</i> , 2017, 121, 137-148.	4.5	73
2	Redox regulation of soluble guanylyl cyclase. <i>Nitric Oxide - Biology and Chemistry</i> , 2018, 76, 97-104.	2.7	46
3	Nitric Oxide-Independent Soluble Guanylate Cyclase Activation Improves Vascular Function and Cardiac Remodeling in Sickle Cell Disease. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2018, 58, 636-647.	2.9	25
4	Sickle cell disease: at the crossroads of pulmonary hypertension and diastolic heart failure. <i>Heart</i> , 2020, 106, 562-568.	2.9	21
5	Decoding the role of SOD2 in sickle cell disease. <i>Blood Advances</i> , 2019, 3, 2679-2687.	5.2	20
6	Xanthine Oxidase Drives Hemolysis and Vascular Malfunction in Sickle Cell Disease. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021, 41, 769-782.	2.4	13
7	Cooperation between CYB5R3 and NOX4 via coenzyme Q mitigates endothelial inflammation. <i>Redox Biology</i> , 2021, 47, 102166.	9.0	13
8	Antagonism of Forkhead Box Subclass O Transcription Factors Elicits Loss of Soluble Guanylyl Cyclase Expression. <i>Molecular Pharmacology</i> , 2019, 95, 629-637.	2.3	10
9	SOD2 V16A amplifies vascular dysfunction in sickle cell patients by curtailing mitochondria complex IV activity. <i>Blood</i> , 2022, 139, 1760-1765.	1.4	9
10	Redox Switches Controlling Nitric Oxide Signaling in the Resistance Vasculature and Implications for Blood Pressure Regulation: Mid-Career Award for Research Excellence 2020. <i>Hypertension</i> , 2021, 78, 912-926.	2.7	8
11	Smooth muscle cell CYB5R3 preserves cardiac and vascular function under chronic hypoxic stress. <i>Journal of Molecular and Cellular Cardiology</i> , 2022, 162, 72-80.	1.9	8
12	CoenzymeQ in cellular redox regulation and clinical heart failure. <i>Free Radical Biology and Medicine</i> , 2021, 167, 321-334.	2.9	7
13	The T117S Variant of Cytochrome b5 Reductase 3 Increases the Risk for Ischemic Stroke with Enhanced Anemia in Mice with Sickle Cell Disease. <i>Blood</i> , 2020, 136, 17-18.	1.4	0