

Alexander Kollau

List of Publications by Year in descending order

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11
papers

312
citations

1040056

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1281871

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g-index

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all docs

11
docs citations

11
times ranked

387
citing authors

#	ARTICLE	IF	CITATIONS
1	Contribution of aldehyde dehydrogenase to mitochondrial bioactivation of nitroglycerin: evidence for the activation of purified soluble guanylate cyclase through direct formation of nitric oxide. <i>Biochemical Journal</i> , 2005, 385, 769-777.	3.7	86
2	Bioactivation of Nitroglycerin by Purified Mitochondrial and Cytosolic Aldehyde Dehydrogenases. <i>Journal of Biological Chemistry</i> , 2008, 283, 17873-17880.	3.4	68
3	Site and mechanism of uncoupling of nitric-oxide synthase: Uncoupling by monomerization and other misconceptions. <i>Nitric Oxide - Biology and Chemistry</i> , 2019, 89, 14-21.	2.7	39
4	Mitochondrial nitrite reduction coupled to soluble guanylate cyclase activation: Lack of evidence for a role in the bioactivation of nitroglycerin. <i>Nitric Oxide - Biology and Chemistry</i> , 2009, 20, 53-60.	2.7	32
5	Irreversible Activation and Stabilization of Soluble Guanylate Cyclase by the Protoporphyrin IX Mimetic Cinaciguat. <i>Molecular Pharmacology</i> , 2018, 93, 73-78.	2.3	19
6	Bioactivation of Nitroglycerin by Ascorbate. <i>Molecular Pharmacology</i> , 2007, 72, 191-196.	2.3	18
7	Effects of flavoring compounds used in electronic cigarette refill liquids on endothelial and vascular function. <i>PLoS ONE</i> , 2019, 14, e0222152.	2.5	17
8	Aldehyde dehydrogenase-independent bioactivation of nitroglycerin in porcine and bovine blood vessels. <i>Biochemical Pharmacology</i> , 2015, 93, 440-448.	4.4	11
9	Scavenging of nitric oxide by hemoglobin in the tunica media of porcine coronary arteries. <i>Nitric Oxide - Biology and Chemistry</i> , 2016, 54, 8-14.	2.7	9
10	Sustained Formation of Nitroglycerin-Derived Nitric Oxide by Aldehyde Dehydrogenase-2 in Vascular Smooth Muscle without Added Reductants: Implications for the Development of Nitrate Tolerance. <i>Molecular Pharmacology</i> , 2018, 93, 335-343.	2.3	7
11	Modulation of nitric oxide-stimulated soluble guanylyl cyclase activity by cytoskeleton-associated proteins in vascular smooth muscle. <i>Biochemical Pharmacology</i> , 2018, 156, 168-176.	4.4	6