

Olena Rudyk

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

869
citations

566801

15
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610482

24
g-index

39
all docs

39
docs citations

39
times ranked

1365
citing authors

#	ARTICLE	IF	CITATIONS
1	Single atom substitution in mouse protein kinase G eliminates oxidant sensing to cause hypertension. <i>Nature Medicine</i> , 2012, 18, 286-290.	15.2	155
2	Biochemical methods for monitoring protein thiol redox states in biological systems. <i>Redox Biology</i> , 2014, 2, 803-813.	3.9	95
3	Protein Kinase G $\hat{\pm}$ Oxidation Paradoxically Underlies Blood Pressure Lowering by the Reductant Hydrogen Sulfide. <i>Hypertension</i> , 2014, 64, 1344-1351.	1.3	89
4	Protection from hypertension in mice by the Mediterranean diet is mediated by nitro fatty acid inhibition of soluble epoxide hydrolase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 8167-8172.	3.3	79
5	cGMP-Dependent Activation of Protein Kinase G Precludes Disulfide Activation. <i>Hypertension</i> , 2012, 60, 1301-1308.	1.3	73
6	Protein kinase G oxidation is a major cause of injury during sepsis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 9909-9913.	3.3	47
7	Disulfide-activated protein kinase G $\hat{\pm}$ regulates cardiac diastolic relaxation and fine-tunes the Frank-Starling response. <i>Nature Communications</i> , 2016, 7, 13187.	5.8	46
8	Nitroglycerin Fails to Lower Blood Pressure in Redox-Dead Cys42Ser PKG1 $\hat{\pm}$ Knock-In Mouse. <i>Circulation</i> , 2012, 126, 287-295.	1.6	44
9	Experimental Hyperleptinemia in Neonatal Rats Leads to Selective Leptin Responsiveness, Hypertension, and Altered Myocardial Function. <i>Hypertension</i> , 2013, 62, 627-633.	1.3	43
10	Deficient angiogenesis in redox-dead Cys17Ser PKAR1 $\hat{\pm}$ knock-in mice. <i>Nature Communications</i> , 2015, 6, 7920.	5.8	41
11	Quantification of microcirculatory blood flow: a sensitive and clinically relevant prognostic marker in murine models of sepsis. <i>Journal of Applied Physiology</i> , 2015, 118, 344-354.	1.2	24
12	Redox-dependent dimerization of p38 $\hat{\pm}$ mitogen-activated protein kinase with mitogen-activated protein kinase kinase 3. <i>Journal of Biological Chemistry</i> , 2017, 292, 16161-16173.	1.6	24
13	Nitrosative protein oxidation is modulated during early endotoxemia. <i>Nitric Oxide - Biology and Chemistry</i> , 2011, 25, 118-124.	1.2	19
14	Increased Cardiovascular Reactivity to Acute Stress and Salt-Loading in Adult Male Offspring of Fat Fed Non-Obese Rats. <i>PLoS ONE</i> , 2011, 6, e25250.	1.1	15
15	Anti-Proliferative Actions of T-Type Calcium Channel Inhibition in Thy1 Nephritis. <i>American Journal of Pathology</i> , 2013, 183, 391-401.	1.9	15
16	Oxidation of PKG1 $\hat{\pm}$ mediates an endogenous adaptation to pulmonary hypertension. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 13016-13025.	3.3	12
17	Phospholemman Phosphorylation Regulates Vascular Tone, Blood Pressure, and Hypertension in Mice and Humans. <i>Circulation</i> , 2021, 143, 1123-1138.	1.6	12
18	Complex interrelationships between nitro-alkene-dependent inhibition of soluble epoxide hydrolase, inflammation and tumor growth. <i>Redox Biology</i> , 2020, 29, 101405.	3.9	11

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19	Examining a role for PKG $\hat{\pm}$ oxidation in the pathogenesis of cardiovascular dysfunction during diet-induced obesity. <i>Free Radical Biology and Medicine</i> , 2017, 110, 390-398.	1.3	8
20	Redox Regulation, Oxidative Stress, and Inflammation in Group 3 Pulmonary Hypertension. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1303, 209-241.	0.8	7
21	Can Redox-Sensitive Cysteines in P38A-MAPK Modulate Activation During Stress?. <i>Heart</i> , 2014, 100, A2.3-A2.	1.2	4
22	Mitochondria permeability transition as a target for ischemic preconditioning. <i>Fiziolohichniy Zhurnal (Kiev, Ukraine: 1994)</i> , 2011, 57, 34-45.	0.1	3
23	High blood pressure and lost EDHF response in redox dead Cys42Ser PKG $\hat{\pm}$ knock-in mouse. <i>BMC Pharmacology</i> , 2011, 11, .	0.4	0
24	A potential role for PKA oxidation in growth factor mediated angiogenesis. <i>Free Radical Biology and Medicine</i> , 2012, 53, S129.	1.3	0
25	cGMP Impedes Disulfide Activation of Protein Kinase G: Implications in Blood Pressure Regulation. <i>Free Radical Biology and Medicine</i> , 2012, 53, S156.	1.3	0
26	Loss of nitroglycerin-induced blood pressure lowering in redox-dead Cys42Ser PKG $\hat{\pm}$ knock-in mouse. <i>Nitric Oxide - Biology and Chemistry</i> , 2012, 27, S13-S14.	1.2	0
27	Nitroglycerin fails to lower blood pressure in redox-dead Cys42Ser PKG $\hat{\pm}$ knock-in mouse. <i>Free Radical Biology and Medicine</i> , 2012, 53, S138.	1.3	0
28	Protein kinase G oxidation contribute to hypotension and organ injury during sepsis. <i>BMC Pharmacology & Toxicology</i> , 2013, 14, .	1.0	0
29	The Blood Pressure-Lowering Action of the Reductant Hydrogen Sulfide Is Paradoxically Mediated by the Oxidative Activation of Protein Kinase G $\hat{\pm}$. <i>Free Radical Biology and Medicine</i> , 2013, 65, S84.	1.3	0
30	Loss of Redox Regulation in Cys521Ser Soluble Epoxide Hydrolase Knock-In Mice Results in Hypertension and Hypertrophy. <i>Free Radical Biology and Medicine</i> , 2013, 65, S69.	1.3	0
31	Response to Role of Hyperleptinemia in the Regulation of Blood Pressure and Cardiac Function. <i>Hypertension</i> , 2014, 63, e2.	1.3	0
32	Evaluating a possible role for PKG $\hat{\pm}$ redox state in chronic hypoxia-induced pulmonary hypertension. <i>BMC Pharmacology & Toxicology</i> , 2015, 16, .	1.0	0