

Stefan W Ryter

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

10,041
citations

109264

35
h-index

189801

50
g-index

52
all docs

52
docs citations

52
times ranked

18051
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	4.3	3,122
2	Heme Oxygenase-1/Carbon Monoxide: From Basic Science to Therapeutic Applications. <i>Physiological Reviews</i> , 2006, 86, 583-650.	13.1	2,034
3	The heme synthesis and degradation pathways: role in oxidant sensitivity. <i>Free Radical Biology and Medicine</i> , 2000, 28, 289-309.	1.3	710
4	CO AS A CELLULAR SIGNALING MOLECULE. <i>Annual Review of Pharmacology and Toxicology</i> , 2006, 46, 411-449.	4.2	396
5	Autophagy protein microtubule-associated protein 1 light chain-3B (LC3B) activates extrinsic apoptosis during cigarette smoke-induced emphysema. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 18880-18885.	3.3	334
6	Autophagy: A Critical Regulator of Cellular Metabolism and Homeostasis. <i>Molecules and Cells</i> , 2013, 36, 7-16.	1.0	270
7	Heme Oxygenase-1/Carbon Monoxide. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2009, 41, 251-260.	1.4	264
8	The Impact of Autophagy on Cell Death Modalities. <i>International Journal of Cell Biology</i> , 2014, 2014, 1-12.	1.0	209
9	Mitochondrial Localization and Function of Heme Oxygenase-1 in Cigarette Smoke-Induced Cell Death. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2007, 36, 409-417.	1.4	200
10	Autophagic proteins regulate cigarette smoke induced apoptosis: Protective role of heme oxygenase-1. <i>Autophagy</i> , 2008, 4, 887-895.	4.3	195
11	Carbon Monoxide Protects against Hyperoxia-induced Endothelial Cell Apoptosis by Inhibiting Reactive Oxygen Species Formation. <i>Journal of Biological Chemistry</i> , 2007, 282, 1718-1726.	1.6	168
12	Endoplasmic reticulum stress is sufficient for the induction of IL-1 β production via activation of the NF- κ B and inflammasome pathways. <i>Innate Immunity</i> , 2014, 20, 799-815.	1.1	115
13	Endoplasmic Reticulum Stress-Induced IRE1 β Activation Mediates Cross-Talk of GSK-3 β and XBP-1 To Regulate Inflammatory Cytokine Production. <i>Journal of Immunology</i> , 2015, 194, 4498-4506.	0.4	115
14	Carbon Monoxide Activates Autophagy via Mitochondrial Reactive Oxygen Species Formation. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2011, 45, 867-873.	1.4	109
15	Caveolin-1 expression by means of p38 β mitogen-activated protein kinase mediates the antiproliferative effect of carbon monoxide. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 11319-11324.	3.3	108
16	Carbon Monoxide Protects against Ventilator-induced Lung Injury via PPAR- δ and Inhibition of Egr-1. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2008, 177, 1223-1232.	2.5	103
17	Autophagy in the Lung. <i>Proceedings of the American Thoracic Society</i> , 2010, 7, 13-21.	3.5	103
18	Autophagy in Pulmonary Diseases. <i>Annual Review of Physiology</i> , 2012, 74, 377-401.	5.6	91

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19	Carbon monoxide in exhaled breath testing and therapeutics. <i>Journal of Breath Research</i> , 2013, 7, 017111.	1.5	91
20	Heme Oxygenase-1/Carbon Monoxide: Novel Therapeutic Strategies in Critical Care Medicine. <i>Current Drug Targets</i> , 2010, 11, 1485-1494.	1.0	87
21	Autophagy in Vascular Disease. <i>Proceedings of the American Thoracic Society</i> , 2010, 7, 40-47.	3.5	83
22	Emerging role of selective autophagy in human diseases. <i>Frontiers in Pharmacology</i> , 2014, 5, 244.	1.6	83
23	Carbon monoxide protects against hepatic steatosis in mice by inducing sestrin-2 via the PERK-eIF2 γ -ATF4 pathway. <i>Free Radical Biology and Medicine</i> , 2017, 110, 81-91.	1.3	83
24	Heme oxygenase-1/carbon monoxide as modulators of autophagy and inflammation. <i>Archives of Biochemistry and Biophysics</i> , 2019, 678, 108186.	1.4	77
25	Carbon monoxide: present and future indications for a medical gas. <i>Korean Journal of Internal Medicine</i> , 2013, 28, 123.	0.7	74
26	Autophagy in chronic obstructive pulmonary disease: Homeostatic or pathogenic mechanism?. <i>Autophagy</i> , 2009, 5, 235-237.	4.3	70
27	Carbon monoxide-induced TFEB nuclear translocation enhances mitophagy/mitochondrial biogenesis in hepatocytes and ameliorates inflammatory liver injury. <i>Cell Death and Disease</i> , 2018, 9, 1060.	2.7	65
28	Autophagy in cigarette smoke-induced chronic obstructive pulmonary disease. <i>Expert Review of Respiratory Medicine</i> , 2010, 4, 573-584.	1.0	63
29	Regulation of Autophagy in Oxygen-Dependent Cellular Stress. <i>Current Pharmaceutical Design</i> , 2013, 19, 2747-2756.	0.9	57
30	Therapeutic Potential of Heme Oxygenase-1/Carbon Monoxide in Lung Disease. <i>International Journal of Hypertension</i> , 2012, 2012, 1-19.	0.5	55
31	Carbon monoxide prevents ventilator-induced lung injury via caveolin-1*. <i>Critical Care Medicine</i> , 2009, 37, 1708-1715.	0.4	54
32	Resveratrol Induces Hepatic Mitochondrial Biogenesis Through the Sequential Activation of Nitric Oxide and Carbon Monoxide Production. <i>Antioxidants and Redox Signaling</i> , 2014, 20, 2589-2605.	2.5	48
33	Evaluation of inhaled carbon monoxide as an anti-inflammatory therapy in a nonhuman primate model of lung inflammation. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2010, 299, L891-L897.	1.3	43
34	Carbon Monoxide Protects against Hepatic Ischemia/Reperfusion Injury via ROS-Dependent Akt Signaling and Inhibition of Glycogen Synthase Kinase 3 β . <i>Oxidative Medicine and Cellular Longevity</i> , 2013, 2013, 1-11.	1.9	42
35	Cilostazol attenuates murine hepatic ischemia and reperfusion injury via heme oxygenase-dependent activation of mitochondrial biogenesis. <i>American Journal of Physiology - Renal Physiology</i> , 2015, 309, G21-G29.	1.6	38
36	Deadly triplex: Smoke, autophagy and apoptosis. <i>Autophagy</i> , 2011, 7, 436-437.	4.3	27

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37	A functional link between heme oxygenase-1 and tristetraprolin in the anti-inflammatory effects of nicotine. <i>Free Radical Biology and Medicine</i> , 2013, 65, 1331-1339.	1.3	27
38	Cross-talk between CD38 and TTP Is Essential for Resolution of Inflammation during Microbial Sepsis. <i>Cell Reports</i> , 2020, 30, 1063-1076.e5.	2.9	25
39	Carbon monoxide decreases interleukin-1 β levels in the lung through the induction of pyrin. <i>Cellular and Molecular Immunology</i> , 2017, 14, 349-359.	4.8	23
40	Pterostilbene 4\times Attenuates LPS-Induced Acute Lung Injury via Induction of Heme Oxygenase-1. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-16.	1.9	22
41	Carbon monoxide ameliorates acetaminophen-induced liver injury by increasing hepatic HO-1 and Parkin expression. <i>FASEB Journal</i> , 2019, 33, 13905-13919.	0.2	22
42	Cecal Ligation and Puncture-induced Sepsis as a Model To Study Autophagy in Mice. <i>Journal of Visualized Experiments</i> , 2014, , e51066.	0.2	21
43	Bile Pigments in Pulmonary and Vascular Disease. <i>Frontiers in Pharmacology</i> , 2012, 3, 39.	1.6	20
44	Autophagy: An Integral Component of the Mammalian Stress Response. <i>Journal of Biochemical and Pharmacological Research</i> , 2013, 1, 176-188.	1.7	19
45	Carbon Monoxide Inhibits Tenascin-C Mediated Inflammation via IL-10 Expression in a Septic Mouse Model. <i>Mediators of Inflammation</i> , 2015, 2015, 1-14.	1.4	17
46	Synergistic Effects of Cilostazol and Probuconol on ER Stress-Induced Hepatic Steatosis via Heme Oxygenase-1-Dependent Activation of Mitochondrial Biogenesis. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-14.	1.9	15
47	Gaseous Therapeutics in Acute Lung Injury. , 2011, 1, 105-121.		14
48	Heme Oxygenase-1 as a Novel Metabolic Player. <i>Oxidative Medicine and Cellular Longevity</i> , 2013, 2013, 1-2.	1.9	10
49	Profibrogenic phenotype in caveolin-1 deficiency via differential regulation of STAT-1/3 proteins. <i>Biochemistry and Cell Biology</i> , 2014, 92, 370-378.	0.9	9
50	Similarities and Distinctions in the Effects of Metformin and Carbon Monoxide in Immunometabolism. <i>Molecules and Cells</i> , 2019, 42, 292-300.	1.0	9
51	Chung Hun Wha Dam Tang attenuates atherosclerosis in apolipoprotein E-deficient mice via the NF- κ B pathway. <i>Biomedicine and Pharmacotherapy</i> , 2019, 120, 109524.	2.5	2