

Thomas W Miller

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,529
citations

361413

20
h-index

642732

23
g-index

34
all docs

34
docs citations

34
times ranked

1971
citing authors

#	ARTICLE	IF	CITATIONS
1	The chemistry of cell signaling by reactive oxygen and nitrogen species and 4-hydroxynonenal. Archives of Biochemistry and Biophysics, 2008, 477, 183-195.	3.0	212
2	Thrombospondin-1 supports blood pressure by limiting eNOS activation and endothelial-dependent vasorelaxation. Cardiovascular Research, 2010, 88, 471-481.	3.8	131
3	Hydrogen Sulfide Is an Endogenous Potentiator of T Cell Activation. Journal of Biological Chemistry, 2012, 287, 4211-4221.	3.4	114
4	Molecular Regulation of Tumor Angiogenesis and Perfusion via Redox Signaling. Chemical Reviews, 2009, 109, 3099-3124.	47.7	104
5	The matricellular protein thrombospondin-1 globally regulates cardiovascular function and responses to stress via CD47. Matrix Biology, 2012, 31, 162-169.	3.6	99
6	The Effects of Nitroxyl (HNO) on Soluble Guanylate Cyclase Activity. Journal of Biological Chemistry, 2009, 284, 21788-21796.	3.4	94
7	CD47 deficiency confers cell and tissue radioprotection by activation of autophagy. Autophagy, 2012, 8, 1628-1642.	9.1	89
8	Thrombospondin-1 is a CD47-dependent endogenous inhibitor of hydrogen sulfide signaling in T cell activation. Matrix Biology, 2013, 32, 316-324.	3.6	79
9	CD47 Receptor Globally Regulates Metabolic Pathways That Control Resistance to Ionizing Radiation. Journal of Biological Chemistry, 2015, 290, 24858-24874.	3.4	76
10	Secreted Thrombospondin-1 Regulates Macrophage Interleukin-1 β Production and Activation through CD47. Scientific Reports, 2016, 6, 19684.	3.3	73
11	Functions of Thrombospondin-1 in the Tumor Microenvironment. International Journal of Molecular Sciences, 2021, 22, 4570.	4.1	63
12	Thrombospondin-1/CD47 Blockade following Ischemia-Reperfusion Injury Is Tissue Protective. Plastic and Reconstructive Surgery, 2009, 124, 1880-1889.	1.4	54
13	Thrombospondin-1 is an inhibitor of pharmacological activation of soluble guanylate cyclase. British Journal of Pharmacology, 2010, 159, 1542-1547.	5.4	49
14	Amyloid- β Inhibits No-cGMP Signaling in a CD36- and CD47-Dependent Manner. PLoS ONE, 2010, 5, e15686.	2.5	49
15	Biological Activity of Designed Photolabile Metal Nitrosyls: A Light-Dependent Activation of Soluble Guanylate Cyclase and Vasorelaxant Properties in Rat Aorta. Journal of Medicinal Chemistry, 2006, 49, 7325-7330.	6.4	46
16	Nitric Oxide Photogeneration from <i>trans</i> -Cr(cyclam)(ONO) ₂ ⁺ in a Reducing Environment. Activation of Soluble Guanylyl Cyclase and Arterial Vasorelaxation. Journal of Medicinal Chemistry, 2010, 53, 715-722.	6.4	39
17	Oxidation of N-hydroxyguanidines by copper(II): model systems for elucidating the physiological chemistry of the nitric oxide biosynthetic intermediate N-hydroxyl-L-arginine. Archives of Biochemistry and Biophysics, 2003, 417, 65-76.	3.0	33
18	Fr-PPIChem: An Academic Compound Library Dedicated to Protein-Protein Interactions. ACS Chemical Biology, 2020, 15, 1566-1574.	3.4	29

#	ARTICLE	IF	CITATIONS
19	Quantitative high-throughput screening assays for the discovery and development of SIRP \pm -CD47 interaction inhibitors. PLoS ONE, 2019, 14, e0218897.	2.5	28
20	Inhibitory signaling through signal regulatory protein- $\hat{1}\pm$ is not sufficient to explain the antitumor activities of CD47 antibodies. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E2842; author reply E2844-5.	7.1	23
21	A homogeneous SIRP $\hat{1}\pm$ -CD47 cell-based, ligand-binding assay: Utility for small molecule drug development in immuno-oncology. PLoS ONE, 2020, 15, e0226661.	2.5	19
22	CD47-Dependent Regulation of H2S Biosynthesis and Signaling in T Cells. Methods in Enzymology, 2015, 555, 145-168.	1.0	15
23	Synthesis and characterization of lithium oxonitrate (LiNO). Journal of Inorganic Biochemistry, 2013, 118, 128-133.	3.5	10
24	Hydrogen sulfide (H ₂ S) regulates hypoxic signaling in T cells. FASEB Journal, 2012, 26, 758.6.	0.5	0
25	Abstract 5159: Quantitative immunoassays to measure total Akt-1 and phospho-Akt(Ser473) in cell and tissue lysate models.. , 2013, , .		0
26	Abstract 3346: Development of a multiplex screening panel for Akt signaling pathway biomarkers in cell and tissue lysate models. , 2014, , .		0
27	Title is missing!. , 2020, 15, e0226661.		0
28	Title is missing!. , 2020, 15, e0226661.		0
29	Title is missing!. , 2020, 15, e0226661.		0
30	Title is missing!. , 2020, 15, e0226661.		0