

Laurens A Van Meeteren

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2339447/publications.pdf>

Version: 2024-02-01

33
papers

4,317
citations

186265

28
h-index

395702

33
g-index

34
all docs

34
docs citations

34
times ranked

5522
citing authors

#	ARTICLE	IF	CITATIONS
1	The ins and outs of lysophosphatidic acid signaling. <i>BioEssays</i> , 2004, 26, 870-881.	2.5	514
2	Autotaxin, a Secreted Lysophospholipase D, Is Essential for Blood Vessel Formation during Development. <i>Molecular and Cellular Biology</i> , 2006, 26, 5015-5022.	2.3	496
3	Vascular endothelial growth factor B controls endothelial fatty acid uptake. <i>Nature</i> , 2010, 464, 917-921.	27.8	423
4	Regulation and biological activities of the autotaxin-LPA axis. <i>Progress in Lipid Research</i> , 2007, 46, 145-160.	11.6	320
5	Regulation of endothelial cell plasticity by TGF- β 2. <i>Cell and Tissue Research</i> , 2012, 347, 177-186.	2.9	279
6	Structural basis of substrate discrimination and integrin binding by autotaxin. <i>Nature Structural and Molecular Biology</i> , 2011, 18, 198-204.	8.2	247
7	Boronic acid-based inhibitor of autotaxin reveals rapid turnover of LPA in the circulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 7257-7262.	7.1	182
8	Inhibition of Autotaxin by Lysophosphatidic Acid and Sphingosine 1-Phosphate. <i>Journal of Biological Chemistry</i> , 2005, 280, 21155-21161.	3.4	178
9	Adipose-specific disruption of autotaxin enhances nutritional fattening and reduces plasma lysophosphatidic acid. <i>Journal of Lipid Research</i> , 2011, 52, 1247-1255.	4.2	153
10	Neuropilin-1 in regulation of VEGF-induced activation of p38MAPK and endothelial cell organization. <i>Blood</i> , 2008, 112, 3638-3649.	1.4	143
11	Autotaxin/Lysopholipase D and Lysophosphatidic Acid Regulate Murine Hemostasis and Thrombosis. <i>Journal of Biological Chemistry</i> , 2009, 284, 7385-7394.	3.4	127
12	Spider and Bacterial Sphingomyelinases D Target Cellular Lysophosphatidic Acid Receptors by Hydrolyzing Lysophosphatidylcholine. <i>Journal of Biological Chemistry</i> , 2004, 279, 10833-10836.	3.4	116
13	Fluorogenic Phospholipid Substrate to Detect Lysophospholipase D/Autotaxin Activity. <i>Organic Letters</i> , 2006, 8, 2023-2026.	4.6	108
14	Synthesis, Structure-Activity Relationships, and Biological Evaluation of Fatty Alcohol Phosphates as Lysophosphatidic Acid Receptor Ligands, Activators of $\text{PPAR}\gamma$, and Inhibitors of Autotaxin. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 4919-4930.	6.4	104
15	Autotaxin (NPP-2) in the brain: cell type-specific expression and regulation during development and after neurotrauma. <i>Cellular and Molecular Life Sciences</i> , 2007, 64, 230-243.	5.4	100
16	Anti-human Activin Receptor-like Kinase 1 (ALK1) Antibody Attenuates Bone Morphogenetic Protein 9 (BMP9)-induced ALK1 Signaling and Interferes with Endothelial Cell Sprouting. <i>Journal of Biological Chemistry</i> , 2012, 287, 18551-18561.	3.4	90
17	NRP1 Presented in trans to the Endothelium Arrests VEGFR2 Endocytosis, Preventing Angiogenic Signaling and Tumor Initiation. <i>Developmental Cell</i> , 2014, 28, 633-646.	7.0	85
18	Lysophosphatidic acid: mitogen and motility factor. <i>Biochemical Society Transactions</i> , 2003, 31, 1209-1212.	3.4	69

#	ARTICLE	IF	CITATIONS
19	Discovery and Optimization of Boronic Acid Based Inhibitors of Autotaxin. Journal of Medicinal Chemistry, 2010, 53, 4958-4967.	6.4	65
20	TGF- β ; Receptor Signaling Pathways in Angiogenesis; Emerging Targets for Anti-Angiogenesis Therapy. Current Pharmaceutical Biotechnology, 2011, 12, 2108-2120.	1.6	62
21	ENDOGLIN Is Dispensable for Vasculogenesis, but Required for Vascular Endothelial Growth Factor-Induced Angiogenesis. PLoS ONE, 2014, 9, e86273.	2.5	59
22	Transforming growth factor β family members in regulation of vascular function: In the light of vascular conditional knockouts. Experimental Cell Research, 2013, 319, 1264-1270.	2.6	54
23	Anticancer activity of FTY720: Phosphorylated FTY720 inhibits autotaxin, a metastasis-enhancing and angiogenic lysophospholipase D. Cancer Letters, 2008, 266, 203-208.	7.2	53
24	GATA2 and Lmo2 control angiogenesis and lymphangiogenesis via direct transcriptional regulation of neuropilin-2. Angiogenesis, 2013, 16, 939-952.	7.2	51
25	A Mutated Soluble Neuropilin-2 B Domain Antagonizes Vascular Endothelial Growth Factor Bioactivity and Inhibits Tumor Progression. Molecular Cancer Research, 2010, 8, 1063-1073.	3.4	48
26	The Polybasic Insertion in Autotaxin β Confers Specific Binding to Heparin and Cell Surface Heparan Sulfate Proteoglycans. Journal of Biological Chemistry, 2013, 288, 510-519.	3.4	48
27	Autotaxin in embryonic development. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2013, 1831, 13-19.	2.4	46
28	The endothelial adaptor molecule TSA1 is required for VEGF-induced angiogenic sprouting through junctional c-Src activation. Science Signaling, 2016, 9, ra72.	3.6	35
29	Mammalian cell expression, purification, crystallization and microcrystal data collection of autotaxin/ENPP2, a secreted mammalian glycoprotein. Acta Crystallographica Section F: Structural Biology Communications, 2010, 66, 1130-1135.	0.7	25
30	Suppression of the p53-Dependent Replicative Senescence Response by Lysophosphatidic Acid Signaling. Molecular Cancer Research, 2008, 6, 1452-1460.	3.4	24
31	Upregulation of Cytokine Expression in Fibroblasts Exposed to Loxosceles Sphingomyelinase D: What is the Trigger?. Journal of Investigative Dermatology, 2007, 127, 1266-1267.	0.7	9
32	Autotaxin/lysopholipase D and lysophosphatidic acid regulate murine hemostasis and thrombosis.. Journal of Biological Chemistry, 2009, 284, 21100.	3.4	2
33	TGF- β and Cardiovascular Disorders. , 2013, , 297-322.		1