Klaus van Leyen

List of Publications by Year
in descending order

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61	3,773	126708	143772
papers	citations	33 h-index	57 g-index

62	62	62	5005
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Abstract WMP115: Developing A New Drug For Ischemic Stroke. Stroke, 2022, 53, .	1.0	0
2	The future of neuroprotection in stroke. Journal of Neurology, Neurosurgery and Psychiatry, 2021, 92, 129-135.	0.9	82
3	Thrombolysis in acute stroke under dual antiplatelet therapy: perspectives arising from translational studies. Neural Regeneration Research, 2021, 16, 113.	1.6	0
4	Effects of ML351 and tissue plasminogen activator combination therapy in a rat model of focal embolic stroke. Journal of Neurochemistry, 2021, 157, 586-598.	2.1	4
5	Non-invasive monitoring of chronic liver disease via near-infrared and shortwave-infrared imaging of endogenous lipofuscin. Nature Biomedical Engineering, 2020, 4, 801-813.	11.6	34
6	Measurement of Platelet Function in an Experimental Stroke Model With Aspirin and Clopidogrel Treatment. Frontiers in Neurology, 2020, 11, 85.	1.1	7
7	12-Lipoxygenase Regulates Cold Adaptation and Glucose Metabolism by Producing the Omega-3 Lipid 12-HEPE from Brown Fat. Cell Metabolism, 2019, 30, 768-783.e7.	7.2	132
8	Opening the time window. Journal of Cerebral Blood Flow and Metabolism, 2019, 39, 2539-2540.	2.4	9
9	Dual Antiplatelet Therapy Increases Hemorrhagic Transformation Following Thrombolytic Treatment in Experimental Stroke. Stroke, 2019, 50, 3650-3653.	1.0	15
10	Intracerebral Hemorrhage Formation Under Direct Oral Anticoagulants. Stroke, 2019, 50, 1034-1042.	1.0	11
11	Impact of 12/15-Lipoxygenase on Brain Injury After Subarachnoid Hemorrhage. Stroke, 2019, 50, 520-523.	1.0	17
12	Contributions of 12/15-Lipoxygenase to Bleeding in the Brain Following Ischemic Stroke. Advances in Experimental Medicine and Biology, 2019, 1161, 125-131.	0.8	9
13	The role of Ca2+ in cell death caused by oxidative glutamate toxicity and ferroptosis. Cell Calcium, 2018, 70, 47-55.	1.1	135
14	12/15-Lipoxygenase Inhibition or Knockout Reduces Warfarin-Associated Hemorrhagic Transformation After Experimental Stroke. Stroke, 2017, 48, 445-451.	1.0	35
15	Annexin A2 Plus Low-Dose Tissue Plasminogen Activator Combination Attenuates Cerebrovascular Dysfunction After Focal Embolic Stroke of Rats. Translational Stroke Research, 2017, 8, 549-559.	2.3	23
16	CD47 deficiency improves neurological outcomes of traumatic brain injury in mice. Neuroscience Letters, 2017, 643, 125-130.	1.0	18
17	Increased 12/15-Lipoxygenase Leads to Widespread Brain Injury Following Global Cerebral Ischemia. Translational Stroke Research, 2017, 8, 194-202.	2.3	47
18	Bioactive Flavonoids and Catechols as Hif1 and Nrf2 Protein Stabilizers - Implications for Parkinsonâ€™s Disease. , 2016, 7, 745.		17

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19	A potent and selective inhibitor targeting human and murine 12/15-LOX. Bioorganic and Medicinal Chemistry, 2016, 24, 1183-1190.	1.4	15
20	CD200 restrains macrophage attack on oligodendrocyte precursors via toll-like receptor 4 downregulation. Journal of Cerebral Blood Flow and Metabolism, 2016, 36, 781-793.	2.4	35
21	Combination Low-Dose Tissue-Type Plasminogen Activator Plus Annexin A2 for Improving Thrombolytic Stroke Therapy. Frontiers in Cellular Neuroscience, 2015, 9, 397.	1.8	10
22	STAT-Dependent Upregulation of 12/15-Lipoxygenase Contributes to Neuronal Injury after Stroke. Journal of Cerebral Blood Flow and Metabolism, 2015, 35, 2043-2051.	2.4	40
23	From cell to cell: The breakdown of intercellular connectivity after stroke and how to regain contact. Brain Research, 2015, 1623, 1-2.	1.1	2
24	Mammalian lipoxygenases and their biological relevance. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2015, 1851, 308-330.	1.2	449
25	Translational Insights into Traumatic Brain Injury Occurring during Dabigatran or Warfarin Anticoagulation. Journal of Cerebral Blood Flow and Metabolism, 2014, 34, 870-875.	2.4	16
26	The potential of 12/15-lipoxygenase inhibitors in stroke therapy. Future Medicinal Chemistry, 2014, 6, 1853-1855.	1.1	18
27	Neuronal Production of Lipocalin-2 as a Help-Me Signal for Glial Activation. Stroke, 2014, 45, 2085-2092.	1.0	117
28	Potent and Selective Inhibitors of Human Reticulocyte 12/15-Lipoxygenase as Anti-Stroke Therapies. Journal of Medicinal Chemistry, 2014, 57, 4035-4048.	2.9	79
29	Genetic ablation and short-duration inhibition of lipoxygenase results in increased macroautophagy. Experimental Cell Research, 2014, 321, 276-287.	1.2	13
30	Following experimental stroke, the recovering brain is vulnerable to lipoxygenaseâ€dependent semaphorin signaling. FASEB Journal, 2013, 27, 437-445.	0.2	34
31	Inhibition of 12/15â€lipoxygenase as therapeutic strategy to treat stroke. Annals of Neurology, 2013, 73, 129-135.	2.8	96
32	12/15-Lipoxygenase Expression Is Increased in Oligodendrocytes and Microglia of Periventricular Leukomalacia. Developmental Neuroscience, 2013, 35, 140-154.	1.0	39
33	Lipoxygenase: An Emerging Target for Stroke Therapy. CNS and Neurological Disorders - Drug Targets, 2013, 12, 191-199.	0.8	39
34	Intravenous tPA Therapy Does Not Worsen Acute Intracerebral Hemorrhage in Mice. PLoS ONE, 2013, 8, e54203.	1.1	17
35	A Novel Hydrogen Sulfide-releasing N-Methyl-d-Aspartate Receptor Antagonist Prevents Ischemic Neuronal Death. Journal of Biological Chemistry, 2012, 287, 32124-32135.	1.6	73
36	Gammaâ€glutamylcysteine ethyl ester protects cerebral endothelial cells during injury and decreases bloodâ€“brain barrier permeability after experimental brain trauma. Journal of Neurochemistry, 2011, 118, 248-255.	2.1	23

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37	Altered epididymal sperm maturation and cytoplasmic droplet migration in subfertile male Alox15 mice. Cell and Tissue Research, 2010, 340, 569-581.	1.5	21
38	Edaravone, a free radical scavenger, protects components of the neurovascular unit against oxidative stress in vitro. Brain Research, 2010, 1307, 22-27.	1.1	69
39	Increased Nuclear Apoptosis-Inducing Factor after Transient Focal Ischemia: A 12/15-Lipoxygenase-dependent Organelle Damage Pathway. Journal of Cerebral Blood Flow and Metabolism, 2010, 30, 1157-1167.	2.4	67
40	CPEB4 Is a Cell Survival Protein Retained in the Nucleus upon Ischemia or Endoplasmic Reticulum Calcium Depletion. Molecular and Cellular Biology, 2010, 30, 5658-5671.	1.1	44
41	Rapid Reversal of Anticoagulation Reduces Hemorrhage Volume in a Mouse Model of Warfarin-Associated Intracerebral Hemorrhage. Journal of Cerebral Blood Flow and Metabolism, 2009, 29, 1015-1021.	2.4	31
42	12/15â€Lipoxygenase targets neuronal mitochondria under oxidative stress. Journal of Neurochemistry, 2009, 111, 882-889.	2.1	95
43	Novel lipoxygenase inhibitors as neuroprotective reagents. Journal of Neuroscience Research, 2008, 86, 904-909.	1.3	73
44	Experimental Model of Warfarin-Associated Intracerebral Hemorrhage. Stroke, 2008, 39, 3397-3404.	1.0	96
45	Protecting Against Cerebrovascular Injury. Stroke, 2008, 39, 2538-2543.	1.0	130
46	Astrocytic Induction of Matrix Metalloproteinase-9 and Edema in Brain Hemorrhage. Journal of Cerebral Blood Flow and Metabolism, 2007, 27, 460-468.	2.4	145
47	Cellâ€“cell Signaling in the Neurovascular Unit. Neurochemical Research, 2007, 32, 2032-2045.	1.6	222
48	Baicalein and 12/15-Lipoxygenase in the Ischemic Brain. Stroke, 2006, 37, 3014-3018.	1.0	210
49	Proteasome inhibition protects HT22 neuronal cells from oxidative glutamate toxicity. Journal of Neurochemistry, 2005, 92, 824-830.	2.1	60
50	Cholesterol and Steroid Synthesizing Smooth Endoplasmic Reticulum of Adrenocortical Cells Contains High Levels of Proteins Associated with the Translocation Channel. Endocrinology, 2005, 146, 4234-4249.	1.4	17
51	Involvement of ERK MAP kinase in endoplasmic reticulum stress in SH-SY5Y human neuroblastoma cells. Journal of Neurochemistry, 2004, 89, 232-239.	2.1	61
52	Degradation of paternal mitochondria after fertilization: implications for heteroplasmy, assisted reproductive technologies and mtDNA inheritance. Reproductive BioMedicine Online, 2004, 8, 24-33.	1.1	92
53	Structure of the Semaphorin-3A Receptor Binding Module. Neuron, 2003, 39, 589-598.	3.8	150
54	Interaction of the Eukaryotic Elongation Factor 1A with Newly Synthesized Polypeptides. Journal of Biological Chemistry, 2002, 277, 18545-18551.	1.6	76

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55	Inhibition of 15-lipoxygenase leads to delayed organelle degradation in the reticulocyte. FEBS Letters, 2001, 489, 51-54.	1.3	63
56	A function for lipoxygenase in programmed organelle degradation. Nature, 1998, 395, 392-395.	13.7	271
57	Transbilayer movement of Glc-P-dolichol and its function as a glucosyl donor: protein-mediated transport of a water-soluble analog into sealed ER vesicles from pig brain. Glycobiology, 1998, 8, 1195-1205.	1.3	42
58	Complete Golgi passage of glycotripeptides generated in the endoplasmic reticulum of mammalian cells. FEBS Letters, 1994, 352, 211-215.	1.3	9
59	Glycotripeptides are released by yeast but not by mammalian microsomes. FEBS Letters, 1994, 355, 147-150.	1.3	8
60	Dolichyl Phosphate-Dependent Glycosyltransferases Utilize Truncated Cofactors. Biological Chemistry Hoppe-Seyler, 1991, 372, 1021-1026.	1.4	7
61	Neuroprotective effects of over-expressing tissue inhibitor of metalloproteinase TIMP-1. Journal of Neurotrauma, 0, , 110306202455053.	1.7	4