

Siu-Lung Chan

List of Publications by Year in descending order

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46
papers

1,227
citations

394286

19
h-index

377752

34
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46
all docs

46
docs citations

46
times ranked

1462
citing authors

#	ARTICLE	IF	CITATIONS
1	The importance of comorbidities in ischemic stroke: Impact of hypertension on the cerebral circulation. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2018, 38, 2129-2149.	2.4	202
2	Cerebral vascular adaptation to pregnancy and its role in the neurological complications of eclampsia. <i>Journal of Applied Physiology</i> , 2011, 110, 329-339.	1.2	97
3	Magnesium Sulfate Treatment Reverses Seizure Susceptibility and Decreases Neuroinflammation in a Rat Model of Severe Preeclampsia. <i>PLoS ONE</i> , 2014, 9, e113670.	1.1	81
4	Pial Collateral Reactivity During Hypertension and Aging. <i>Stroke</i> , 2016, 47, 1618-1625.	1.0	69
5	Relaxin causes selective outward remodeling of brain parenchymal arterioles via activation of peroxisome proliferator-activated receptor β . <i>FASEB Journal</i> , 2011, 25, 3229-3239.	0.2	52
6	Effect of Pregnancy on Autoregulation of Cerebral Blood Flow in Anterior Versus Posterior Cerebrum. <i>Hypertension</i> , 2012, 60, 705-711.	1.3	49
7	Postischemic Reperfusion Causes Smooth Muscle Calcium Sensitization and Vasoconstriction of Parenchymal Arterioles. <i>Stroke</i> , 2014, 45, 2425-2430.	1.0	49
8	Treatment for cerebral small vessel disease: effect of relaxin on the function and structure of cerebral parenchymal arterioles during hypertension. <i>FASEB Journal</i> , 2013, 27, 3917-3927.	0.2	44
9	Constrictor and Dilator Effects of Angiotensin II on Cerebral Arterioles. <i>Stroke</i> , 2005, 36, 2691-2695.	1.0	41
10	Increased pressure-induced tone in rat parenchymal arterioles vs. middle cerebral arteries: role of ion channels and calcium sensitivity. <i>Journal of Applied Physiology</i> , 2014, 117, 53-59.	1.2	40
11	Inhibition of PAI (Plasminogen Activator Inhibitor)-1 Improves Brain Collateral Perfusion and Injury After Acute Ischemic Stroke in Aged Hypertensive Rats. <i>Stroke</i> , 2018, 49, 1969-1976.	1.0	37
12	Effects of polysaccharide peptide (PSP) from <i>Coriolus versicolor</i> on the pharmacokinetics of cyclophosphamide in the rat and cytotoxicity in HepG2 cells. <i>Food and Chemical Toxicology</i> , 2006, 44, 689-694.	1.8	35
13	Pharmacologically increasing collateral perfusion during acute stroke using a carboxyhemoglobin gas transfer agent (Sanguinate α , ϕ) in spontaneously hypertensive rats. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2018, 38, 755-766.	2.4	33
14	Polysaccharide peptides from COV-1 strain of <i>Coriolus versicolor</i> induce hyperalgesia via inflammatory mediator release in the mouse. <i>Life Sciences</i> , 2006, 78, 2463-2470.	2.0	31
15	Epidermal Growth Factor Receptor Is Critical For Angiotensin II-Mediated Hypertrophy in Cerebral Arterioles. <i>Hypertension</i> , 2015, 65, 806-812.	1.3	31
16	Deficiency of Nox2 prevents angiotensin II-induced inward remodeling in cerebral arterioles. <i>Frontiers in Physiology</i> , 2013, 4, 133.	1.3	29
17	Impact of Chronic Treatment With Red Wine Polyphenols (RWP) on Cerebral Arterioles in the Spontaneous Hypertensive Rat. <i>Journal of Cardiovascular Pharmacology</i> , 2008, 51, 304-310.	0.8	27
18	Non-alcoholic Steatohepatitis Pathogenesis, Diagnosis, and Treatment. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 742382.	1.1	22

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19	Effect of PPAR β Inhibition during Pregnancy on Posterior Cerebral Artery Function and Structure. <i>Frontiers in Physiology</i> , 2010, 1, 130.	1.3	21
20	Nox2 Deficiency Prevents Hypertension-Induced Vascular Dysfunction and Hypertrophy in Cerebral Arterioles. <i>International Journal of Hypertension</i> , 2013, 2013, 1-8.	0.5	21
21	Inhibition of PPAR β during rat pregnancy causes intrauterine growth restriction and attenuation of uterine vasodilation. <i>Frontiers in Physiology</i> , 2013, 4, 184.	1.3	20
22	Vascular smooth muscle cell c-Fos is critical for foam cell formation and atherosclerosis. <i>Metabolism: Clinical and Experimental</i> , 2022, 132, 155213.	1.5	20
23	Red Wine Polyphenols Improve Endothelium-dependent Dilation in Rat Cerebral Arterioles. <i>Journal of Cardiovascular Pharmacology</i> , 2008, 51, 553-558.	0.8	19
24	Effect of Pregnancy and Nitric Oxide on the Myogenic Vasodilation of Posterior Cerebral Arteries and the Lower Limit of Cerebral Blood Flow Autoregulation. <i>Reproductive Sciences</i> , 2013, 20, 1046-1054.	1.1	19
25	Effect of hypertension and carotid occlusion on brain parenchymal arteriole structure and reactivity. <i>Journal of Applied Physiology</i> , 2015, 119, 817-823.	1.2	19
26	Roles of Caveolin-1 in Angiotensin II-induced Hypertrophy and Inward Remodeling of Cerebral Pial Arterioles. <i>Hypertension</i> , 2016, 67, 623-629.	1.3	19
27	Effect of hypertension and peroxynitrite decomposition with FeTMPyP on CBF and stroke outcome. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 1276-1285.	2.4	19
28	Endocytic Adaptors in Cardiovascular Disease. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 624159.	1.8	16
29	Polysaccharide peptides from COV-1 strain of <i>Coriolus versicolor</i> inhibit tolbutamide 4-hydroxylation in the rat in vitro and in vivo. <i>Food and Chemical Toxicology</i> , 2006, 44, 1414-1423.	1.8	12
30	Modulation of antipyrine clearance by polysaccharide peptide (PSP) isolated from <i>Coriolus versicolor</i> in the rat. <i>Food and Chemical Toxicology</i> , 2006, 44, 1607-1612.	1.8	12
31	Treatment with low dose fasudil for acute ischemic stroke in chronic hypertension. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 3262-3270.	2.4	7
32	Impact of Acute and Chronic Hypertension on Changes in Pial Collateral Tone In Vivo During Transient Ischemia. <i>Hypertension</i> , 2020, 76, 1019-1026.	1.3	7
33	Diabetes and Its Cardiovascular Complications: Comprehensive Network and Systematic Analyses. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 841928.	1.1	7
34	Effect of TTC Treatment on Immunohistochemical Quantification of Collagen IV in Rat Brains after Stroke. <i>Translational Stroke Research</i> , 2018, 9, 499-505.	2.3	6
35	Transient receptor potential vanilloid channels are involved in diminished myogenic tone in brain parenchymal arterioles in response to chronic hypoperfusion in mice. <i>Acta Physiologica</i> , 2019, 225, e13181.	1.8	6
36	DETERMINATION OF PPAR β ACTIVITY IN ADIPOSE TISSUE AND SPLEEN. <i>Journal of Immunoassay and Immunochemistry</i> , 2012, 33, 314-324.	0.5	5

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37	Conducted Vasodilation in Brain Parenchymal Arterioles is Impaired during Chronic Hypertension. FASEB Journal, 2015, 29, 949.7.	0.2	2
38	Inhibition of PPAR β during pregnancy causes inward remodeling of brain parenchymal arterioles. FASEB Journal, 2010, 24, 979.4.	0.2	1
39	Epsins Regulate Cholesterol Uptake and Efflux in Macrophages. FASEB Journal, 2021, 35, .	0.2	0
40	Treatment of cerebral small vessel disease with relaxin. FASEB Journal, 2013, 27, 709.1.	0.2	0
41	The effect of experimental preeclampsia on cerebral blood flow autoregulation and cerebrovascular function (680.22). FASEB Journal, 2014, 28, 680.22.	0.2	0
42	Abstract 62: Sanguinate TM Opens Collaterals, Improves Reperfusion and Decreases Infarct in Hypertensive Rats. Stroke, 2017, 48, .	1.0	0
43	Abstract WP407: Function and Reactivity of Pial Collaterals In Vivo in Normotensive and Hypertensive Rats: Response to Ischemia and Reperfusion. Stroke, 2018, 49, .	1.0	0
44	Abstract WP440: Relaxin Selectively Affects Brain Parenchymal Arteriolar Structure during Hypertension. Stroke, 2013, 44, .	1.0	0
45	Abstract 133: Inhibition of TRPV4 is Protective of the Brain and Cerebral Circulation During Ischemic Stroke. Stroke, 2014, 45, .	1.0	0
46	Abstract 223: Leptomeningeal Arteriole Vasoconstriction during Hypertension: Targeting Pial Collaterals in Stroke Treatment. Stroke, 2016, 47, .	1.0	0