

Liangming Liu

List of Publications by Year in descending order

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65
papers

1,286
citations

279798

23
h-index

434195

31
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67
all docs

67
docs citations

67
times ranked

1029
citing authors

#	ARTICLE	IF	CITATIONS
1	Ideal Permissive Hypotension to Resuscitate Uncontrolled Hemorrhagic Shock and the Tolerance Time in Rats. <i>Anesthesiology</i> , 2011, 114, 111-119.	2.5	75
2	Effects of terlipressin on patients with sepsis via improving tissue blood flow. <i>Journal of Surgical Research</i> , 2016, 200, 274-282.	1.6	48
3	Mdivi-1 attenuates oxidative stress and exerts vascular protection in ischemic/hypoxic injury by a mechanism independent of Drp1 GTPase activity. <i>Redox Biology</i> , 2020, 37, 101706.	9.0	47
4	Drp1 regulates mitochondrial dysfunction and dysregulated metabolism in ischemic injury via Clec16a-, BAX-, and GSH- pathways. <i>Cell Death and Disease</i> , 2020, 11, 251.	6.3	44
5	CHANGES OF RHO KINASE ACTIVITY AFTER HEMORRHAGIC SHOCK AND ITS ROLE IN SHOCK-INDUCED BIPHASIC RESPONSE OF VASCULAR REACTIVITY AND CALCIUM SENSITIVITY. <i>Shock</i> , 2006, 26, 504-509.	2.1	43
6	Mitochondrial-Derived Vesicles Protect Cardiomyocytes Against Hypoxic Damage. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 214.	3.7	39
7	Short-term, Mild Hypothermia Can Increase the Beneficial Effect of Permissive Hypotension on Uncontrolled Hemorrhagic Shock in Rats. <i>Anesthesiology</i> , 2012, 116, 1288-1298.	2.5	38
8	4-Phenylbutyric Acid Reveals Good Beneficial Effects on Vital Organ Function via Anti-Endoplasmic Reticulum Stress in Septic Rats*. <i>Critical Care Medicine</i> , 2016, 44, e689-e701.	0.9	38
9	Activated Drp1-mediated mitochondrial ROS influence the gut microbiome and intestinal barrier after hemorrhagic shock. <i>Aging</i> , 2020, 12, 1397-1416.	3.1	38
10	MECHANISMS OF RHO KINASE REGULATION OF VASCULAR REACTIVITY FOLLOWING HEMORRHAGIC SHOCK IN RATS. <i>Shock</i> , 2008, 29, 65-70.	2.1	36
11	Effects of the Balance in Activity of RhoA and Rac1 on the Shock-Induced Biphasic Change of Vascular Reactivity in Rats. <i>Annals of Surgery</i> , 2011, 253, 185-193.	4.2	35
12	Small Doses of Arginine Vasopressin in Combination With Norepinephrine –Time for Definitive Treatment for Uncontrolled Hemorrhagic Shock in Rats. <i>Shock</i> , 2013, 40, 398-406.	2.1	31
13	Angiopietins regulate vascular reactivity after haemorrhagic shock in rats through the Tie2-nitric oxide pathway. <i>Cardiovascular Research</i> , 2012, 96, 308-319.	3.8	30
14	Determination of the Optimal Mean Arterial Pressure for Postbleeding Resuscitation after Hemorrhagic Shock in Rats. <i>Anesthesiology</i> , 2012, 116, 103-112.	2.5	29
15	Mitochondrial Drp1 recognizes and induces excessive mPTP opening after hypoxia through BAX-PiC and LRRK2-HK2. <i>Cell Death and Disease</i> , 2021, 12, 1050.	6.3	29
16	PKC plays an important mediated effect in arginine vasopressin induced restoration of vascular responsiveness and calcium sensitization following hemorrhagic shock in rats. <i>European Journal of Pharmacology</i> , 2010, 628, 148-154.	3.5	27
17	The role of calcium desensitization in vascular hyporeactivity and its regulation after hemorrhagic shock in the rat. <i>Shock</i> , 2005, 23, 576-81.	2.1	27
18	Effect of Arginine Vasopressin on Vascular Reactivity and Calcium Sensitivity After Hemorrhagic Shock in Rats and Its Relationship to Rho-kinase. <i>Journal of Trauma</i> , 2006, 61, 1336-1342.	2.3	26

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19	INVOLVEMENT OF CPI-17 AND ZIPPER-INTERACTING PROTEIN KINASE IN THE REGULATION OF PROTEIN KINASE C- δ , PROTEIN KINASE C- μ ON VASCULAR CALCIUM SENSITIVITY AFTER HEMORRHAGIC SHOCK. Shock, 2010, 33, 49-55.	2.1	26
20	Protective Effects of Dexmedetomidine on Sepsis-Induced Vascular Leakage by Alleviating Ferroptosis via Regulating Metabolic Reprogramming. Journal of Inflammation Research, 2021, Volume 14, 6765-6782.	3.5	26
21	Role of V1a Receptor in AVP-Induced Restoration of Vascular Hyporeactivity and Its Relationship to MLCP-MLC20 Phosphorylation Pathway. Journal of Surgical Research, 2010, 161, 312-320.	1.6	25
22	Lycium barbarum polysaccharide improves traumatic cognition via reversing imbalance of apoptosis/regeneration in hippocampal neurons after stress. Life Sciences, 2015, 121, 124-134.	4.3	25
23	The mechanism by which RhoA regulates vascular reactivity after hemorrhagic shock in rats. American Journal of Physiology - Heart and Circulatory Physiology, 2010, 299, H292-H299.	3.2	24
24	Relationship of Cx43 regulation of vascular permeability to osteopontin-tight junction protein pathway after sepsis in rats. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2018, 314, R1-R11.	1.8	24
25	Beneficial effect of cyclosporine A on traumatic hemorrhagic shock. Journal of Surgical Research, 2015, 195, 529-540.	1.6	22
26	A Small Dose of Arginine Vasopressin in Combination with Norepinephrine is a Good Early Treatment for Uncontrolled Hemorrhagic Shock After Hemostasis. Journal of Surgical Research, 2011, 169, 76-84.	1.6	21
27	Involvement of connexin 43 phosphorylation and gap junctional communication between smooth muscle cells in vasopressin-induced ROCK-dependent vasoconstriction after hemorrhagic shock. American Journal of Physiology - Cell Physiology, 2017, 313, C362-C370.	4.6	21
28	μ Opioid Receptor Antagonist, ICI 174,864, Is Suitable for the Early Treatment of Uncontrolled Hemorrhagic Shock in Rats. Anesthesiology, 2013, 119, 379-388.	2.5	20
29	Role of miR-124 and miR-141 in the regulation of vascular reactivity and the relationship to RhoA and Rac1 after hemorrhage and hypoxia. American Journal of Physiology - Heart and Circulatory Physiology, 2016, 310, H206-H216.	3.2	20
30	The Beneficial Effect of HES on Vascular Permeability and Its Relationship With Endothelial Glycocalyx and Intercellular Junction After Hemorrhagic Shock. Frontiers in Pharmacology, 2020, 11, 597.	3.5	20
31	Role of adenosine A2A receptor in organ-specific vascular reactivity following hemorrhagic shock in rats. Journal of Surgical Research, 2013, 184, 951-958.	1.6	19
32	Advances in Vascular Hyporeactivity After Shock. Shock, 2015, 44, 524-534.	2.1	19
33	Beneficial and side effects of arginine vasopressin and terlipressin for septic shock. Journal of Surgical Research, 2015, 195, 568-579.	1.6	19
34	Mitogen-activated protein kinases regulate vascular reactivity after hemorrhagic shock through myosin light chain phosphorylation pathway. Journal of Trauma and Acute Care Surgery, 2013, 74, 1033-1043.	2.1	17
35	Bkca opener, NS1619 pretreatment protects against shock-induced vascular hyporeactivity through PDZ-Rho GEF-Rho-Rho kinase pathway in rats. Journal of Trauma and Acute Care Surgery, 2014, 76, 394-401.	2.1	16
36	REGULATORY EFFECTS OF MYOENDOTHELIAL GAP JUNCTION ON VASCULAR REACTIVITY AFTER HEMORRHAGIC SHOCK IN RATS. Shock, 2009, 31, 80-86.	2.1	15

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37	Beneficial Effect of Intermedin 1-53 in Septic Shock Rats. <i>Shock</i> , 2016, 46, 557-565.	2.1	15
38	Endothelial Microvesicles Induce Pulmonary Vascular Leakage and Lung Injury During Sepsis. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 643.	3.7	14
39	Early outcome of early-goal directed therapy for patients with sepsis or septic shock: a systematic review and meta-analysis of randomized controlled trials. <i>Oncotarget</i> , 2017, 8, 27510-27519.	1.8	14
40	Myoendothelial gap junctions mediate regulation of angiotensin-2-induced vascular hyporeactivity after hypoxia through connexin 43-gated cAMP transfer. <i>American Journal of Physiology - Cell Physiology</i> , 2017, 313, C262-C273.	4.6	13
41	miRNA-mRNA crosstalk in myocardial ischemia induced by calcified aortic valve stenosis. <i>Aging</i> , 2019, 11, 448-466.	3.1	13
42	A novel cross-linked haemoglobin-based oxygen carrier is beneficial to sepsis in rats. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2019, 47, 1496-1504.	2.8	13
43	Protective Effects of Dexmedetomidine on the Vascular Endothelial Barrier Function by Inhibiting Mitochondrial Fission via ER/Mitochondria Contact. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 636327.	3.7	13
44	Protective Effects of Inhibition of Mitochondrial Fission on Organ Function After Sepsis. <i>Frontiers in Pharmacology</i> , 2021, 12, 712489.	3.5	13
45	Ideal resuscitation pressure for uncontrolled hemorrhagic shock in different ages and sexes of rats. <i>Critical Care</i> , 2013, 17, R194.	5.8	12
46	Identification of ideal resuscitation pressure with concurrent traumatic brain injury in a rat model of hemorrhagic shock. <i>Journal of Surgical Research</i> , 2015, 195, 284-293.	1.6	12
47	ERK and miRNA-1 target Cx43 expression and phosphorylation to modulate the vascular protective effect of angiotensin II. <i>Life Sciences</i> , 2019, 216, 59-66.	4.3	12
48	Mesenchymal stem cell-derived microvesicles improve intestinal barrier function by restoring mitochondrial dynamic balance in sepsis rats. <i>Stem Cell Research and Therapy</i> , 2021, 12, 299.	5.5	11
49	Pinacidil Pretreatment Improves Vascular Reactivity After Shock Through PKC ζ and PKC[Latin Small Letter Open E] in Rats. <i>Journal of Cardiovascular Pharmacology</i> , 2012, 59, 514-522.	1.9	10
50	Beneficial effects of platelet-derived growth factor on hemorrhagic shock in rats and the underlying mechanisms. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014, 307, H1277-H1287.	3.2	10
51	The Landscape of Featured Metabolism-Related Genes and Imbalanced Immune Cell Subsets in Sepsis. <i>Frontiers in Genetics</i> , 2022, 13, 821275.	2.3	8
52	Beneficial effects of novel cross-linked hemoglobin YQ23 on hemorrhagic shock in rats and pigs. <i>Journal of Surgical Research</i> , 2017, 210, 213-222.	1.6	6
53	The Calcilytic Drug Calhex-231 Ameliorates Vascular Hyporesponsiveness in Traumatic Hemorrhagic Shock by Inhibiting Oxidative Stress and miR-208a-Mediated Mitochondrial Fission. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-13.	4.0	5
54	A Novel Cross-Linked Hemoglobin-Based Oxygen Carrier, YQ23, Extended the Golden Hour for Uncontrolled Hemorrhagic Shock in Rats and Miniature Pigs. <i>Frontiers in Pharmacology</i> , 2021, 12, 652716.	3.5	5

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55	The protective effects of pericyte-derived microvesicles on vascular endothelial functions via CTGF delivery in sepsis. <i>Cell Communication and Signaling</i> , 2021, 19, 115.	6.5	5
56	Hemorrhagic preconditioning improves vascular reactivity after hemorrhagic shock by activation of PKC δ and PKC μ via the adenosine A1 receptor in rats. <i>Journal of Trauma and Acute Care Surgery</i> , 2013, 74, 1266-1274.	2.1	4
57	Role of Tumor Necrosis Factor- α in vascular hyporeactivity following endotoxic shock and its mechanism. <i>Journal of Trauma and Acute Care Surgery</i> , 2019, 87, 1346-1353.	2.1	4
58	HIF-1 α regulates Cx40-dependent vasodilatation following hemorrhagic shock in rats. <i>American Journal of Translational Research (discontinued)</i> , 2017, 9, 1277-1286.	0.0	4
59	Role of non-MLC20 phosphorylation pathway in the regulation of vascular reactivity during shock. <i>Journal of Surgical Research</i> , 2014, 187, 571-580.	1.6	3
60	Protein markers related to vascular responsiveness after hemorrhagic shock in rats. <i>Journal of Surgical Research</i> , 2015, 196, 149-158.	1.6	3
61	Opioid receptors associated with cardiovascular depression following traumatic hemorrhagic shock in rats. <i>Chinese Journal of Traumatology - English Edition</i> , 1999, 2, 48-52.	1.4	2
62	Beneficial effect of arginine vasopressin on hemorrhagic shock through improving the vascular reactivity. <i>Frontiers of Medicine in China</i> , 2008, 2, 248-254.	0.1	1
63	Protective Effect of Moderate Hypotonic Fluid on Organ Dysfunction via Alleviating Lethal Triad Following Seawater Immersion With Hemorrhagic Shock in Rats. <i>Frontiers in Physiology</i> , 2022, 13, 827838.	2.8	1
64	N-Acetyl-L-Cysteine Protects Organ Function After Hemorrhagic Shock Combined With Seawater Immersion in Rats by Correcting Coagulopathy and Acidosis. <i>Frontiers in Physiology</i> , 2022, 13, 831514.	2.8	1
65	Calcium Desensitization Mechanism and Treatment for Vascular Hyporesponsiveness After Shock. , 2017, , 119-136.		0