Liangming Liu

List of Publications by Year
in descending order

65 papers	1,286 citations	23 h-index (279798)	31 g-index (434195)
67 all docs	67 docs citations	67 times ranked	1029 citing authors

#	Article	IF	Citations
1	Protective Effect of Moderate Hypotonic Fluid on Organ Dysfunction via Alleviating Lethal Triad Following Seawater Immersion With Hemorrhagic Shock in Rats. Frontiers in Physiology, 2022, 13, 827838.	2.8	1
2	The Landscape of Featured Metabolism-Related Genes and Imbalanced Immune Cell Subsets in Sepsis. Frontiers in Genetics, 2022, 13, 821275.	2.3	8
3	N-Acetyl-L-Cysteine Protects Organ Function After Hemorrhagic Shock Combined With Seawater Immersion in Rats by Correcting Coagulopathy and Acidosis. Frontiers in Physiology, 2022, 13, 831514.	2.8	1
4	Protective Effects of Dexmedetomidine on the Vascular Endothelial Barrier Function by Inhibiting Mitochondrial Fission via ER/Mitochondria Contact. Frontiers in Cell and Developmental Biology, 2021, 9, 636327.	3.7	13
5	Mesenchymal stem cell-derived microvesicles improve intestinal barrier function by restoring mitochondrial dynamic balance in sepsis rats. Stem Cell Research and Therapy, 2021, 12, 299.	5.5	11
6	A Novel Cross-Linked Hemoglobin-Based Oxygen Carrier, YQ23, Extended the Golden Hour for Uncontrolled Hemorrhagic Shock in Rats and Miniature Pigs. Frontiers in Pharmacology, 2021, 12, 652716.	3.5	5
7	Protective Effects of Inhibition of Mitochondrial Fission on Organ Function After Sepsis. Frontiers in Pharmacology, 2021, 12, 712489.	3.5	13
8	Mitochondrial Drp1 recognizes and induces excessive mPTP opening after hypoxia through BAX-PiC and LRRK2-HK2. Cell Death and Disease, 2021, 12, 1050.	6.3	29
9	The protective effects of pericyte-derived microvesicles on vascular endothelial functions via CTGF delivery in sepsis. Cell Communication and Signaling, 2021, 19, 115.	6.5	5
10	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
11	Mdivi-1 attenuates oxidative stress and exerts vascular protection in ischemic/hypoxic injury by a mechanism independent of Drp1 GTPase activity. Redox Biology, 2020, 37, 101706.	9.0	47
12	Endothelial Microvesicles Induce Pulmonary Vascular Leakage and Lung Injury During Sepsis. Frontiers in Cell and Developmental Biology, 2020, 8, 643.	3.7	14
13	The Calcilytic Drug Calhex-231 Ameliorates Vascular Hyporesponsiveness in Traumatic Hemorrhagic Shock by Inhibiting Oxidative Stress and miR-208a-Mediated Mitochondrial Fission. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-13.	4.0	5
14	Mitochondrial-Derived Vesicles Protect Cardiomyocytes Against Hypoxic Damage. Frontiers in Cell and Developmental Biology, 2020, 8, 214.	3.7	39
15	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
16	Drp1 regulates mitochondrial dysfunction and dysregulated metabolism in ischemic injury via Clec16a-, BAX-, and GSH- pathways. Cell Death and Disease, 2020, 11, 251.	6.3	44
17	Activated Drp1-mediated mitochondrial ROS influence the gut microbiome and intestinal barrier after hemorrhagic shock. Aging, 2020, 12, 1397-1416.	3.1	38
18	miRNA-mRNA crosstalk in myocardial ischemia induced by calcified aortic valve stenosis. Aging, 2019, 11, 448-466.	3.1	13

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19	A novel cross-linked haemoglobin-based oxygen carrier is beneficial to sepsis in rats. Artificial Cells, Nanomedicine and Biotechnology, 2019, 47, 1496-1504.	2.8	13
20	Role of Tumor Necrosis Factor-Î± in vascular hyporeactivity following endotoxic shock and its mechanism. Journal of Trauma and Acute Care Surgery, 2019, 87, 1346-1353.	2.1	4
21	ERK and miRNA-1 target Cx43 expression and phosphorylation to modulate the vascular protective effect of angiotensin II. Life Sciences, 2019, 216, 59-66.	4.3	12
22	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
23	Beneficial effects of novel cross-linked hemoglobin YQ23 on hemorrhagic shock in rats and pigs. Journal of Surgical Research, 2017, 210, 213-222.	1.6	6
24	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
25	Myoendothelial gap junctions mediate regulation of angiopoietin-2-induced vascular hyporeactivity after hypoxia through connexin 43-gated cAMP transfer. American Journal of Physiology - Cell Physiology, 2017, 313, C262-C273.	4.6	13
26	Early outcome of early-goal directed therapy for patients with sepsis or septic shock: a systematic review and meta-analysis of randomized controlled trials. Oncotarget, 2017, 8, 27510-27519.	1.8	14
27	Calcium Desensitization Mechanism and Treatment for Vascular Hyporesponsiveness After Shock. , 2017, , 119-136.		0
28	HIF-1Î± regulates Cx40-dependent vasodilatation following hemorrhagic shock in rats. American Journal of Translational Research (discontinued), 2017, 9, 1277-1286.	0.0	4
29	Beneficial Effect of Intermedin 1-53 in Septic Shock Rats. Shock, 2016, 46, 557-565.	2.1	15
30	4-Phenylbutyric Acid Reveals Good Beneficial Effects on Vital Organ Function via Antiâ€"Endoplasmic Reticulum Stress in Septic Rats*. Critical Care Medicine, 2016, 44, e689-e701.	0.9	38
31	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
32	Effects of terlipressin on patients with sepsis via improving tissue blood flow. Journal of Surgical Research, 2016, 200, 274-282.	1.6	48
33	Advances in Vascular Hyporeactivity After Shock. Shock, 2015, 44, 524-534.	2.1	19
34	Protein markers related to vascular responsiveness after hemorrhagic shock in rats. Journal of Surgical Research, 2015, 196, 149-158.	1.6	3
35	Identification of ideal resuscitation pressure with concurrent traumatic brain injury in a rat model of hemorrhagic shock. Journal of Surgical Research, 2015, 195, 284-293.	1.6	12
36	Beneficial effect of cyclosporine A on traumatic hemorrhagic shock. Journal of Surgical Research, 2015, 195, 529-540.	1.6	22

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37	Beneficial and side effects of arginine vasopressin and terlipressin for septic shock. Journal of Surgical Research, 2015, 195, 568-579.	1.6	19
38	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
39	Beneficial effects of platelet-derived growth factor on hemorrhagic shock in rats and the underlying mechanisms. American Journal of Physiology - Heart and Circulatory Physiology, 2014, 307, H1277-H1287.	3.2	10
40	Bkca opener, NS1619 pretreatment protects against shock-induced vascular hyporeactivity through PDZ-Rho GEFâ€“RhoAâ€“Rho kinase pathway in rats. Journal of Trauma and Acute Care Surgery, 2014, 76, 394-401.	2.1	16
41	Role of non-MLC20 phosphorylation pathway in the regulation ofÂvascular reactivity during shock. Journal of Surgical Research, 2014, 187, 571-580.	1.6	3
42	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
43	Small Doses of Arginine Vasopressin in Combination With Norepinephrine â€œBuyâ€•Time for Definitive Treatment for Uncontrolled Hemorrhagic Shock in Rats. Shock, 2013, 40, 398-406.	2.1	31
44	Ideal resuscitation pressure for uncontrolled hemorrhagic shock in different ages and sexes of rats. Critical Care, 2013, 17, R194.	5.8	12
45	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
46	Hemorrhagic preconditioning improves vascular reactivity after hemorrhagic shock by activation of PKCÎ± and PKCÎµ via the adenosine A1 receptor in rats. Journal of Trauma and Acute Care Surgery, 2013, 74, 1266-1274.	2.1	4
47	Î´ 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
48	Angiopoietins regulate vascular reactivity after haemorrhagic shock in rats through the Tie2-nitric oxide pathway. Cardiovascular Research, 2012, 96, 308-319.	3.8	30
49	Pinacidil Pretreatment Improves Vascular Reactivity After Shock Through PKCÎ± and PKC[Latin Small Letter Open E] in Rats. Journal of Cardiovascular Pharmacology, 2012, 59, 514-522.	1.9	10
50	Determination of the Optimal Mean Arterial Pressure for Postbleeding Resuscitation after Hemorrhagic Shock in Rats. Anesthesiology, 2012, 116, 103-112.	2.5	29
51	Short-term, Mild Hypothermia Can Increase the Beneficial Effect of Permissive Hypotension on Uncontrolled Hemorrhagic Shock in Rats. Anesthesiology, 2012, 116, 1288-1298.	2.5	38
52	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
53	Effects of the Balance in Activity of RhoA and Rac1 on the Shock-Induced Biphasic Change of Vascular Reactivity in Rats. Annals of Surgery, 2011, 253, 185-193.	4.2	35
54	Ideal Permissive Hypotension to Resuscitate Uncontrolled Hemorrhagic Shock and the Tolerance Time in Rats. Anesthesiology, 2011, 114, 111-119.	2.5	75

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55	INVOLVEMENT OF CPI-17 AND ZIPPER-INTERACTING PROTEIN KINASE IN THE REGULATION OF PROTEIN KINASE C-Î±, PROTEIN KINASE C-Îµ ON VASCULAR CALCIUM SENSITIVITY AFTER HEMORRHAGIC SHOCK. Shock, 2010, 33, 49-55.	2.1	26
56	PKC plays an important mediated effect in arginine vasopressin induced restoration of vascular responsiveness and calcium sensitization following hemorrhagic shock in rats. European Journal of Pharmacology, 2010, 628, 148-154.	3.5	27
57	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
58	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
59	REGULATORY EFFECTS OF MYOENDOTHELIAL GAP JUNCTION ON VASCULAR REACTIVITY AFTER HEMORRHAGIC SHOCK IN RATS. Shock, 2009, 31, 80-86.	2.1	15
60	Beneficial effect of arginine vasopressin on hemorrhagic shock through improving the vascular reactivity. Frontiers of Medicine in China, 2008, 2, 248-254.	0.1	1
61	MECHANISMS OF RHO KINASE REGULATION OF VASCULAR REACTIVITY FOLLOWING HEMORRHAGIC SHOCK IN RATS. Shock, 2008, 29, 65-70.	2.1	36
62	CHANGES OF RHO KINASE ACTIVITY AFTER HEMORRHAGIC SHOCK AND ITS ROLE IN SHOCK-INDUCED BIPHASIC RESPONSE OF VASCULAR REACTIVITY AND CALCIUM SENSITIVITY. Shock, 2006, 26, 504-509.	2.1	43
63	Effect of Arginine Vasopressin on Vascular Reactivity and Calcium Sensitivity After Hemorrhagic Shock in Rats and Its Relationship to Rho-kinase. Journal of Trauma, 2006, 61, 1336-1342.	2.3	26
64	The role of calcium desensitization in vascular hyporeactivity and its regulation after hemorrhagic shock in the rat. Shock, 2005, 23, 576-81.	2.1	27
65	Opioid receptors associated with cardiovascular depression following traumatic hemorrhagic shock in rats. Chinese Journal of Traumatology - English Edition, 1999, 2, 48-52.	1.4	2