

Lian Zhao

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

412
citations

840585

11
h-index

794469

19
g-index

31
all docs

31
docs citations

31
times ranked

600
citing authors

#	ARTICLE	IF	CITATIONS
1	Reactive oxygen species-responsive polymeric nanoparticles for alleviating sepsis-induced acute liver injury in mice. <i>Biomaterials</i> , 2017, 144, 30-41.	5.7	83
2	Effects of synthetic colloids on oxidative stress and inflammatory response in hemorrhagic shock: comparison of hydroxyethyl starch 130/0.4, hydroxyethyl starch 200/0.5, and succinylated gelatin. <i>Critical Care</i> , 2013, 17, R141.	2.5	38
3	Preparation, characterization and in vivo investigation of blood-compatible hemoglobin-loaded nanoparticles as oxygen carriers. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 139, 171-179.	2.5	36
4	Regulation of blood viscosity in disease prevention and treatment. <i>Science Bulletin</i> , 2012, 57, 1946-1952.	1.7	33
5	Carboxyfullerene nanoparticles alleviate acute hepatic injury in severe hemorrhagic shock. <i>Biomaterials</i> , 2017, 112, 72-81.	5.7	20
6	A PEGylated bovine hemoglobin as a potent hemoglobin-based oxygen carrier. <i>Biotechnology Progress</i> , 2017, 33, 252-260.	1.3	18
7	Pyruvate is a prospective alkalizer to correct hypoxic lactic acidosis. <i>Military Medical Research</i> , 2018, 5, 13.	1.9	18
8	Gradually Increased Oxygen Administration Improved Oxygenation and Mitigated Oxidative Stress after Resuscitation from Severe Hemorrhagic Shock. <i>Anesthesiology</i> , 2015, 123, 1122-1132.	1.3	17
9	Influence of polydopamine-mediated surface modification on oxygen-release capacity of haemoglobin-based oxygen carriers. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 484-492.	1.9	15
10	Hypertonic Saline Dextran Ameliorates Organ Damage in Beagle Hemorrhagic Shock. <i>PLoS ONE</i> , 2015, 10, e0136012.	1.1	12
11	Addition of Sodium Pyruvate to Stored Red Blood Cells Attenuates Liver Injury in a Murine Transfusion Model. <i>Mediators of Inflammation</i> , 2016, 2016, 1-9.	1.4	12
12	C-type natriuretic peptide prevents kidney injury and attenuates oxidative and inflammatory responses in hemorrhagic shock. <i>Amino Acids</i> , 2017, 49, 347-354.	1.2	12
13	Cryopreserved platelets augment the inflammatory response: role of phosphatidylserine and P-selectin-mediated platelet phagocytosis in macrophages. <i>Transfusion</i> , 2019, 59, 1799-1808.	0.8	11
14	The P₅₀ value detected by the oxygenation-dissociation analyser and blood gas analyser. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2020, 48, 867-874.	1.9	10
15	Effects of synthetic colloid and crystalloid solutions on hemorheology in vitro and in hemorrhagic shock. <i>European Journal of Medical Research</i> , 2015, 20, 13.	0.9	9
16	The mechanical properties of stored red blood cells measured by a convenient microfluidic approach combining with mathematic model. <i>Biomicrofluidics</i> , 2016, 10, 024104.	1.2	9
17	Effects of Plasma-lyte A, lactated Ringer's, and normal saline on acid-base status and intestine injury in the initial treatment of hemorrhagic shock. <i>American Journal of Emergency Medicine</i> , 2017, 35, 317-321.	0.7	8
18	Addition of haptoglobin to RBCs storage, a new strategy to improve quality of stored RBCs and transfusion. <i>Medical Hypotheses</i> , 2014, 82, 125-128.	0.8	7

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19	RBC aggregation in dextran solutions can be measured by flow cytometry. <i>Clinical Hemorheology and Microcirculation</i> , 2017, 65, 93-101.	0.9	6
20	Conjugation with 20 kDa dextran decreases the autoxidation rate of bovine hemoglobin. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 1436-1443.	1.9	6
21	A fresh frozen plasma to red blood cell transfusion ratio of 1:1 mitigates lung injury in a rat model of damage control resuscitation for hemorrhagic shock. <i>American Journal of Emergency Medicine</i> , 2015, 33, 754-759.	0.7	5
22	Gradually increased oxygen administration promoted survival after hemorrhagic shock. <i>Experimental Biology and Medicine</i> , 2016, 241, 1603-1610.	1.1	5
23	A triply modified human adult hemoglobin with low oxygen affinity, rapid autoxidation and high tetramer stability. <i>International Journal of Biological Macromolecules</i> , 2020, 159, 236-242.	3.6	5
24	Effects of sodium pyruvate on ameliorating metabolic acidosis. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2016, 44, 48-55.	1.9	4
25	Acute high-altitude exposure shortens survival after uncontrolled hemorrhagic shock in rats. <i>Journal of Surgical Research</i> , 2018, 226, 150-156.	0.8	4
26	Improved flowing behaviour and gas exchange of stored red blood cells by a compound porous structure. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2019, 47, 1888-1897.	1.9	3
27	Early resuscitation with exendin-4 alleviates acute lung injury after hemorrhagic shock in rats. <i>Journal of Surgical Research</i> , 2017, 216, 73-79.	0.8	2
28	In vitro and in vivo investigation of the novel Dex-bHb as oxygen carriers. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, S133-S137.	1.9	2
29	Strategies to Decrease the Oxidative Toxicity of Hemoglobin-based Oxygen Carriers. <i>Regenerative Medicine, Artificial Cells and Nanomedicine</i> , 2022, , 529-540.	0.7	0