

# Peter Radermacher

## List of Publications by Year in descending order

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157  
papers

8,759  
citations

57758

44  
h-index

46799

89  
g-index

158  
all docs

158  
docs citations

158  
times ranked

6684  
citing authors

#	ARTICLE	IF	CITATIONS
1	High versus Low Blood-Pressure Target in Patients with Septic Shock. <i>New England Journal of Medicine</i> , 2014, 370, 1583-1593.	27.0	911
2	Effect of SOD-1 over-expression on myocardial function during resuscitated murine septic shock. <i>Intensive Care Medicine</i> , 2009, 35, 344-349.	8.2	600
3	Cardiac and metabolic effects of hypothermia and inhaled hydrogen sulfide in anesthetized and ventilated mice*. <i>Critical Care Medicine</i> , 2010, 38, 588-595.	0.9	597
4	Erythropoietin during porcine aortic balloon occlusion-induced ischemia/reperfusion injury. <i>Critical Care Medicine</i> , 2008, 36, 2143-2150.	0.9	587
5	The effect of iNOS deletion on hepatic gluconeogenesis in hyperdynamic murine septic shock. <i>Intensive Care Medicine</i> , 2007, 33, 1094-1101.	8.2	570
6	Glucose metabolism and catecholamines. <i>Critical Care Medicine</i> , 2007, 35, S508-S518.	0.9	259
7	Hyperoxia and hypertonic saline in patients with septic shock (HYPER2S): a two-by-two factorial, multicentre, randomised, clinical trial. <i>Lancet Respiratory Medicine</i> , 2017, 5, 180-190.	10.7	207
8	Complement C3 vs C5 inhibition in severe COVID-19: Early clinical findings reveal differential biological efficacy. <i>Clinical Immunology</i> , 2020, 220, 108598.	3.2	191
9	Low-dose terlipressin during long-term hyperdynamic porcine endotoxemia: Effects on hepatosplanchnic perfusion, oxygen exchange, and metabolism*. <i>Critical Care Medicine</i> , 2005, 33, 373-380.	0.9	168
10	Opportunities for the repurposing of PARP inhibitors for the therapy of non-oncological diseases. <i>British Journal of Pharmacology</i> , 2018, 175, 192-222.	5.4	160
11	Hyperoxia in intensive care, emergency, and peri-operative medicine: Dr. Jekyll or Mr. Hyde? A 2015 update. <i>Annals of Intensive Care</i> , 2015, 5, 42.	4.6	145
12	Effects of a Dobutamine-induced Increase in Splanchnic Blood Flow on Hepatic Metabolic Activity in Patients with Septic Shock. <i>Anesthesiology</i> , 1997, 86, 818-824.	2.5	134
13	Optimizing mean arterial pressure in septic shock: a critical reappraisal of the literature. <i>Critical Care</i> , 2015, 19, 101.	5.8	129
14	Impact of exogenous beta-adrenergic receptor stimulation on hepatosplanchnic oxygen kinetics and metabolic activity in septic shock. <i>Critical Care Medicine</i> , 1999, 27, 325-331.	0.9	123
15	Regulation of mitochondrial bioenergetic function by hydrogen sulfide. Part II. Pathophysiological and therapeutic aspects. <i>British Journal of Pharmacology</i> , 2014, 171, 2123-2146.	5.4	121
16	Dangers of hyperoxia. <i>Critical Care</i> , 2021, 25, 440.	5.8	110
17	Effects of tempol, a free radical scavenger, on long-term hyperdynamic porcine bacteremia*. <i>Critical Care Medicine</i> , 2005, 33, 1057-1063.	0.9	102
18	Effect of increased cardiac output on hepatic and intestinal microcirculatory blood flow, oxygenation, and metabolism in hyperdynamic murine septic shock. <i>Critical Care Medicine</i> , 2005, 33, 2332-2338.	0.9	96

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19	HEMODYNAMIC AND METABOLIC EFFECTS OF HYDROGEN SULFIDE DURING PORCINE ISCHEMIA/REPERFUSION INJURY. <i>Shock</i> , 2008, 30, 359-364.	2.1	95
20	Effects of ventilation with 100% oxygen during early hyperdynamic porcine fecal peritonitis*. <i>Critical Care Medicine</i> , 2008, 36, 495-503.	0.9	94
21	Pooled analysis of higher versus lower blood pressure targets for vasopressor therapy septic and vasodilatory shock. <i>Intensive Care Medicine</i> , 2018, 44, 12-21.	8.2	93
22	Hemorrhagic shock drives glycocalyx, barrier and organ dysfunction early after polytrauma. <i>Journal of Critical Care</i> , 2018, 44, 229-237.	2.2	89
23	Role of inducible nitric oxide synthase in the reduced responsiveness of the myocardium to catecholamines in a hyperdynamic, murine model of septic shock*. <i>Critical Care Medicine</i> , 2006, 34, 307-313.	0.9	82
24	Effects of hydrogen sulfide on hemodynamics, inflammatory response and oxidative stress during resuscitated hemorrhagic shock in rats. <i>Critical Care</i> , 2010, 14, R165.	5.8	75
25	Genotoxicity of hyperbaric oxygen. <i>Mutation Research - Reviews in Mutation Research</i> , 2002, 512, 111-119.	5.5	74
26	Immunopathophysiology of trauma-related acute kidney injury. <i>Nature Reviews Nephrology</i> , 2021, 17, 91-111.	9.6	68
27	SELECTIVE INDUCIBLE NITRIC OXIDE SYNTHASE INHIBITION DURING LONG-TERM HYPERDYNAMIC PORCINE BACTEREMIA. <i>Shock</i> , 2004, 21, 458-465.	2.1	67
28	Metabolic alterations in sepsis and vasoactive drug-related metabolic effects. <i>Current Opinion in Critical Care</i> , 2003, 9, 271-278.	3.2	66
29	Inducible nitric oxide synthase inhibition improves intestinal microcirculatory oxygenation and CO <sub>2</sub> balance during endotoxemia in pigs. <i>Intensive Care Medicine</i> , 2005, 31, 985-992.	8.2	66
30	Understanding the benefits and harms of oxygen therapy. <i>Intensive Care Medicine</i> , 2015, 41, 1118-1121.	8.2	64
31	Influence of an Orally Effective SOD on Hyperbaric Oxygen-related Cell Damage. <i>Free Radical Research</i> , 2004, 38, 927-932.	3.3	61
32	Hyperoxia may be beneficial. <i>Critical Care Medicine</i> , 2010, 38, S559-S568.	0.9	61
33	Vasopressin and its analogues in shock states: a review. <i>Annals of Intensive Care</i> , 2020, 10, 9.	4.6	60
34	Non-Hemodynamic Effects of Catecholamines. <i>Shock</i> , 2017, 48, 390-400.	2.1	58
35	Complement C5a Functions as a Master Switch for the pH Balance in Neutrophils Exerting Fundamental Immunometabolic Effects. <i>Journal of Immunology</i> , 2017, 198, 4846-4854.	0.8	58
36	H <sub>2</sub> S during circulatory shock: Some unresolved questions. <i>Nitric Oxide - Biology and Chemistry</i> , 2014, 41, 48-61.	2.7	56

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37	Effects of Intravenous Sulfide During Porcine Aortic Occlusion-Induced Kidney Ischemia/Reperfusion Injury. <i>Shock</i> , 2011, 35, 156-163.	2.1	54
38	Clinical review: influence of vasoactive and other therapies on intestinal and hepatic circulations in patients with septic shock. <i>Critical Care</i> , 2003, 8, 170.	5.8	51
39	Total haemoglobin mass and spleen contraction: a study on competitive apnea divers, non-diving athletes and untrained control subjects. <i>European Journal of Applied Physiology</i> , 2007, 101, 753-759.	2.5	51
40	Preclinical septic shock research: why we need an animal ICU. <i>Annals of Intensive Care</i> , 2019, 9, 66.	4.6	51
41	Norepinephrine and N <sup>ω</sup> -Monomethyl-L-arginine in Porcine Septic Shock. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1999, 159, 1758-1765.	5.6	50
42	Erythropoietin attenuates cardiac dysfunction in experimental sepsis in mice via activation of the $\beta$ 2-common receptor. <i>DMM Disease Models and Mechanisms</i> , 2013, 6, 1021-30.	2.4	49
43	Comparison of cardiac, hepatic, and renal effects of arginine vasopressin and noradrenaline during porcine fecal peritonitis: a randomized controlled trial. <i>Critical Care</i> , 2009, 13, R113.	5.8	47
44	A new role for an old drug: Ambroxol triggers lysosomal exocytosis via pH-dependent Ca <sup>2+</sup> release from acidic Ca <sup>2+</sup> stores. <i>Cell Calcium</i> , 2015, 58, 628-637.	2.4	46
45	Inflammatory Effects of Hypothermia and Inhaled H <sub>2</sub> S During Resuscitated, Hyperdynamic Murine Septic Shock. <i>Shock</i> , 2011, 35, 396-402.	2.1	45
46	Effects of intravenous sulfide during resuscitated porcine hemorrhagic shock*. <i>Critical Care Medicine</i> , 2012, 40, 2157-2167.	0.9	44
47	Hemodynamic, metabolic, and organ function effects of pure oxygen ventilation during established fecal peritonitis-induced septic shock. <i>Critical Care Medicine</i> , 2009, 37, 2465-2469.	0.9	41
48	Adrenomedullin binding improves catecholamine responsiveness and kidney function in resuscitated murine septic shock. <i>Intensive Care Medicine Experimental</i> , 2013, 1, 21.	1.9	40
49	Physiological and Clinical Aspects of Apnea Diving. <i>Clinics in Chest Medicine</i> , 2005, 26, 381-394.	2.1	38
50	THE PARP-1 INHIBITOR INO-1001 FACILITATES HEMODYNAMIC STABILIZATION WITHOUT AFFECTING DNA REPAIR IN PORCINE THORACIC AORTIC CROSS-CLAMPING-INDUCED ISCHEMIA/REPERFUSION. <i>Shock</i> , 2006, 25, 633-640.	2.1	38
51	Designing phase 3 sepsis trials: application of learned experiences from critical care trials in acute heart failure. <i>Journal of Intensive Care</i> , 2016, 4, 24.	2.9	38
52	Metabolic Effects of Norepinephrine and Dobutamine in Healthy Volunteers. <i>Shock</i> , 2002, 18, 495-500.	2.1	37
53	The molecular fingerprint of lung inflammation after blunt chest trauma. <i>European Journal of Medical Research</i> , 2015, 20, 70.	2.2	37
54	Comparison of carbamylated erythropoietin-FC fusion protein and recombinant human erythropoietin during porcine aortic balloon occlusion-induced spinal cord ischemia/reperfusion injury. <i>Intensive Care Medicine</i> , 2011, 37, 1525-33.	8.2	36

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55	Effects of Hyperoxia and Mild Therapeutic Hypothermia During Resuscitation From Porcine Hemorrhagic Shock*. <i>Critical Care Medicine</i> , 2016, 44, e264-e277.	0.9	36
56	Thirty-eight-negative kinase 1 mediates trauma-induced intestinal injury and multi-organ failure. <i>Journal of Clinical Investigation</i> , 2018, 128, 5056-5072.	8.2	36
57	Part III: Minimum Quality Threshold in Preclinical Sepsis Studies (MQTiPSS) for Fluid Resuscitation and Antimicrobial Therapy Endpoints. <i>Shock</i> , 2019, 51, 33-43.	2.1	35
58	Carbamylated erythropoietin-FC fusion protein and recombinant human erythropoietin during porcine kidney ischemia/reperfusion injury. <i>Intensive Care Medicine</i> , 2013, 39, 497-510.	8.2	34
59	Hyperoxia toxicity in septic shock patients according to the Sepsis-3 criteria: a post hoc analysis of the HYPER2S trial. <i>Annals of Intensive Care</i> , 2018, 8, 90.	4.6	34
60	A mouse is not a rat is not a man: species-specific metabolic responses to sepsis - a nail in the coffin of murine models for critical care research?. <i>Intensive Care Medicine Experimental</i> , 2013, 1, 26.	1.9	32
61	Effects of a cantaloupe melon extract/wheat gliadin biopolymer during aortic cross-clamping. <i>Intensive Care Medicine</i> , 2007, 33, 694-702.	8.2	31
62	Hemodynamic support in the early phase of septic shock: a review of challenges and unanswered questions. <i>Annals of Intensive Care</i> , 2018, 8, 102.	4.6	31
63	Effects of sodium thiosulfate (Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> ) during resuscitation from hemorrhagic shock in swine with preexisting atherosclerosis. <i>Pharmacological Research</i> , 2020, 151, 104536.	7.1	29
64	Cardiovascular disease and resuscitated septic shock lead to the downregulation of the H <sub>2</sub> S-producing enzyme cystathionine- $\beta$ -lyase in the porcine coronary artery. <i>Intensive Care Medicine Experimental</i> , 2017, 5, 17.	1.9	28
65	EFFECTS OF SELECTIVE iNOS INHIBITION ON GUT AND LIVER O <sub>2</sub> -EXCHANGE AND ENERGY METABOLISM DURING HYPERDYNAMIC PORCINE ENDOTOXEMIA. <i>Shock</i> , 2001, 16, 203-210.	2.1	26
66	Cardiopulmonary, Histologic, and Inflammatory Effects of Intravenous Na <sub>2</sub> S After Blunt Chest Trauma-Induced Lung Contusion in Mice. <i>Journal of Trauma</i> , 2011, 71, 1659-1667.	2.3	26
67	Temperature and Cell-Type Dependency of Sulfide Effects on Mitochondrial Respiration. <i>Shock</i> , 2012, 38, 367-374.	2.1	26
68	Adenosine triphosphate-magnesium chloride: relevance for intensive care. <i>Intensive Care Medicine</i> , 2003, 29, 10-18.	8.2	25
69	The selective poly(ADP)ribose-polymerase 1 inhibitor INO1001 reduces spinal cord injury during porcine aortic cross-clamping-induced ischemia/reperfusion injury. <i>Intensive Care Medicine</i> , 2007, 33, 845-850.	8.2	25
70	Blunt Chest Trauma in Mice after Cigarette Smoke-Exposure: Effects of Mechanical Ventilation with 100 % O <sub>2</sub> . <i>PLoS ONE</i> , 2015, 10, e0132810.	2.5	25
71	Gaseous Mediators and Mitochondrial Function: The Future of Pharmacologically Induced Suspended Animation?. <i>Frontiers in Physiology</i> , 2017, 8, 691.	2.8	25
72	Interaction of hyperbaric oxygen, nitric oxide, and heme oxygenase on DNA strand breaks in vivo. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2005, 572, 167-172.	1.0	24

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73	Association of Kidney Tissue Barrier Disrupture and Renal Dysfunction in Resuscitated Murine Septic Shock. <i>Shock</i> , 2016, 46, 398-404.	2.1	24
74	Effects of Hyperoxia During Resuscitation From Hemorrhagic Shock in Swine With Preexisting Coronary Artery Disease. <i>Critical Care Medicine</i> , 2017, 45, e1270-e1279.	0.9	23
75	Bladder tissue oxygen tension monitoring in pigs subjected to a range of cardiorespiratory and pharmacological challenges. <i>Intensive Care Medicine</i> , 2012, 38, 1868-1876.	8.2	22
76	The Mitochondria-Targeted H <sub>2</sub> S-Donor AP39 in a Murine Model of Combined Hemorrhagic Shock and Blunt Chest Trauma. <i>Shock</i> , 2019, 52, 230-239.	2.1	22
77	Impaired Glucocorticoid Receptor Dimerization Aggravates LPS-Induced Circulatory and Pulmonary Dysfunction. <i>Frontiers in Immunology</i> , 2020, 10, 3152.	4.8	22
78	Applying gases for microcirculatory and cellular oxygenation in sepsis: effects of nitric oxide, carbon monoxide, and hydrogen sulfide. <i>Current Opinion in Anaesthesiology</i> , 2009, 22, 168-176.	2.0	21
79	Effects of Pretreatment Hypothermia During Resuscitated Porcine Hemorrhagic Shock. <i>Critical Care Medicine</i> , 2013, 41, e105-e117.	0.9	21
80	MAP of 65: target of the past?. <i>Intensive Care Medicine</i> , 2018, 44, 1551-1552.	8.2	21
81	Inhaled Hydrogen Sulfide Induces Suspended Animation, But Does Not Alter the Inflammatory Response After Blunt Chest Trauma. <i>Shock</i> , 2012, 37, 197-204.	2.1	20
82	Is pharmacological, H <sub>2</sub> S-induced 'suspended animation' feasible in the ICU?. <i>Critical Care</i> , 2014, 18, 215.	5.8	20
83	Lactate in shock: a high-octane fuel for the heart?. <i>Intensive Care Medicine</i> , 2007, 33, 406-408.	8.2	19
84	Inotropes and vasopressors: more than haemodynamics!. <i>British Journal of Pharmacology</i> , 2012, 165, 2009-2011.	5.4	19
85	The obesity paradox and acute kidney injury: beneficial effects of hyper-inflammation?. <i>Critical Care</i> , 2013, 17, 1023.	5.8	19
86	Effects of the PPAR- $\alpha$ agonist GW0742 during resuscitated porcine septic shock. <i>Intensive Care Medicine Experimental</i> , 2013, 1, 28.	1.9	19
87	Selepressin in Septic Shock. <i>Critical Care Medicine</i> , 2016, 44, 234-236.	0.9	19
88	Left ventricular function during porcine-resuscitated septic shock with pre-existing atherosclerosis. <i>Intensive Care Medicine Experimental</i> , 2016, 4, 14.	1.9	19
89	A CRHR1 antagonist prevents synaptic loss and memory deficits in a trauma-induced delirium-like syndrome. <i>Molecular Psychiatry</i> , 2021, 26, 3778-3794.	7.9	19
90	Measuring end products of nitric oxide in vivo. <i>Methods in Enzymology</i> , 2002, 359, 75-83.	1.0	18

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91	Hyperchloremia is not associated with AKI or death in septic shock patients: results of a post hoc analysis of the HYPERSHOCK-trial. <i>Annals of Intensive Care</i> , 2019, 9, 95.	4.6	18
92	In-Depth Characterization of the Effects of Cigarette Smoke Exposure on the Acute Trauma Response and Hemorrhage in Mice. <i>Shock</i> , 2019, 51, 68-77.	2.1	18
93	The Effects of Genetic 3-Mercaptopyruvate Sulfurtransferase Deficiency in Murine Traumatic-Hemorrhagic Shock. <i>Shock</i> , 2019, 51, 472-478.	2.1	18
94	Glucocorticoids coordinate macrophage metabolism through the regulation of the tricarboxylic acid cycle. <i>Molecular Metabolism</i> , 2022, 57, 101424.	6.5	18
95	Early Detection of Junctional Adhesion Molecule-1 (JAM-1) in the Circulation after Experimental and Clinical Polytrauma. <i>Mediators of Inflammation</i> , 2015, 2015, 1-7.	3.0	17
96	Metabolic, Cardiac, and Renal Effects of the Slow Hydrogen Sulfide-Releasing Molecule GYY4137 During Resuscitated Septic Shock in Swine with Pre-Existing Coronary Artery Disease. <i>Shock</i> , 2017, 48, 175-184.	2.1	17
97	Severe Traumatic Brain Injury (TBI) Modulates the Kinetic Profile of the Inflammatory Response of Markers for Neuronal Damage. <i>Journal of Clinical Medicine</i> , 2020, 9, 1667.	2.4	16
98	EFFECTS OF INTRARENAL ADMINISTRATION OF THE COX-2 INHIBITOR PARECOXIB DURING PORCINE SUPRARENAL AORTIC CROSS-CLAMPING. <i>Shock</i> , 2005, 24, 476-481.	2.1	15
99	THE EFFECT OF SUPEROXIDE DISMUTASE OVEREXPRESSION ON HEPATIC GLUCONEOGENESIS AND WHOLE-BODY GLUCOSE OXIDATION DURING RESUSCITATED NORMOTENSIVE MURINE SEPTIC SHOCK. <i>Shock</i> , 2008, 30, 578-584.	2.1	15
100	Cystathionine- $\beta$ -lyase expression is associated with mitochondrial respiration during sepsis-induced acute kidney injury in swine with atherosclerosis. <i>Intensive Care Medicine Experimental</i> , 2018, 6, 43.	1.9	15
101	Metabolic effects of vasoactive agents. <i>Current Opinion in Anaesthesiology</i> , 2001, 14, 157-163.	2.0	14
102	The Role of Cystathionine- $\beta$ -Lyase In Blunt Chest Trauma in Cigarette Smoke Exposed Mice. <i>Shock</i> , 2017, 47, 491-499.	2.1	14
103	The Neuroprotective Effect of Ethanol Intoxication in Traumatic Brain Injury Is Associated with the Suppression of ErbB Signaling in Parvalbumin-Positive Interneurons. <i>Journal of Neurotrauma</i> , 2018, 35, 2718-2735.	3.4	14
104	Animal-Free Human Whole Blood Sepsis Model to Study Changes in Innate Immunity. <i>Frontiers in Immunology</i> , 2020, 11, 571992.	4.8	14
105	Target arterial PO <sub>2</sub> according to the underlying pathology: a mini-review of the available data in mechanically ventilated patients. <i>Annals of Intensive Care</i> , 2021, 11, 88.	4.6	14
106	Pathophysiology of tissue acidosis in septic shock: Blocked microcirculation or impaired cellular respiration?*. <i>Critical Care Medicine</i> , 2008, 36, 640-642.	0.9	13
107	INHIBITION OF NITRIC OXIDE SYNTHASE DURING SEPSIS. <i>Shock</i> , 2010, 34, 321-322.	2.1	13
108	Hyperoxia Alters Ultrastructure and Induces Apoptosis in Leukemia Cell Lines. <i>Biomolecules</i> , 2020, 10, 282.	4.0	13

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109	Catecholamines and Vasopressin During Critical Illness. <i>Endocrinology and Metabolism Clinics of North America</i> , 2006, 35, 839-857.	3.2	12
110	Erythropoietin in the critically ill: do we ask the right questions?. <i>Critical Care</i> , 2012, 16, 319.	5.8	12
111	Landiolol in patients with septic shock resident in an intensive care unit (LANDI-SEP): study protocol for a randomized controlled trial. <i>Trials</i> , 2018, 19, 637.	1.6	12
112	Small Extracellular Vesicles Propagate the Inflammatory Response After Trauma. <i>Advanced Science</i> , 2021, 8, e2102381.	11.2	12
113	PKD regulates actin polymerization, neutrophil deformability, and transendothelial migration in response to fMLP and trauma. <i>Journal of Leukocyte Biology</i> , 2018, 104, 615-630.	3.3	11
114	Thirty-Eight-Negative Kinase 1 Is a Mediator of Acute Kidney Injury in Experimental and Clinical Traumatic Hemorrhagic Shock. <i>Frontiers in Immunology</i> , 2020, 11, 2081.	4.8	11
115	Effects of 15-deoxy- $\hat{1}^{12,14}$ -prostaglandin-J2 during hyperdynamic porcine endotoxemia. <i>Intensive Care Medicine</i> , 2006, 32, 759-765.	8.2	10
116	Year in review in <i>Intensive Care Medicine</i> , 2006. I. Experimental studies. Clinical studies: brain injury, renal failure and endocrinology. <i>Intensive Care Medicine</i> , 2007, 33, 49-57.	8.2	10
117	Hyperoxia or Therapeutic Hypothermia During Resuscitation from Non-Lethal Hemorrhagic Shock in Swine. <i>Shock</i> , 2017, 48, 564-570.	2.1	10
118	Impact of hyperglycemia on cystathionine- $\hat{1}^3$ -lyase expression during resuscitated murine septic shock. <i>Intensive Care Medicine Experimental</i> , 2017, 5, 30.	1.9	10
119	H2S as a Therapeutic Adjuvant Against COVID-19: Why and How?. <i>Shock</i> , 2021, 56, 865-867.	2.1	10
120	H2S and Oxytocin Systems in Early Life Stress and Cardiovascular Disease. <i>Journal of Clinical Medicine</i> , 2021, 10, 3484.	2.4	10
121	H2S in acute lung injury: a therapeutic dead end(?). <i>Intensive Care Medicine Experimental</i> , 2020, 8, 33.	1.9	10
122	The Interaction of the Endogenous Hydrogen Sulfide and Oxytocin Systems in Fluid Regulation and the Cardiovascular System. <i>Antioxidants</i> , 2020, 9, 748.	5.1	9
123	Systemic calcitonin gene-related peptide receptor antagonism decreases survival in a porcine model of polymicrobial sepsis: blinded randomised controlled trial. <i>British Journal of Anaesthesia</i> , 2022, 128, 864-873.	3.4	9
124	H2S in Critical Illness—A New Horizon for Sodium Thiosulfate?. <i>Biomolecules</i> , 2022, 12, 543.	4.0	9
125	The world according to poly(ADP-ribose) polymerase (PARP)—update 2006. <i>Intensive Care Medicine</i> , 2006, 32, 1470-1474.	8.2	8
126	Mediation Analysis of High Blood Pressure Targets, Arrhythmias, and Shock Mortality. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 199, 802-805.	5.6	8



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127	Online monitoring of carbon dioxide and oxygen in exhaled mouse breath via substrate-integrated hollow waveguide Fourier-transform infrared-luminescence spectroscopy. <i>Journal of Breath Research</i> , 2018, 12, 036018.	3.0	7
128	Microcirculation vs. Mitochondria—What to Target?. <i>Frontiers in Medicine</i> , 2020, 7, 416.	2.6	7
129	Evaluation of the gut microbiome in association with biological signatures of inflammation in murine polytrauma and shock. <i>Scientific Reports</i> , 2021, 11, 6665.	3.3	7
130	Effects of Sodium Thiosulfate During Resuscitation from Trauma-and-Hemorrhage in Cystathionine $\beta$ -Lyase (CSE) Knockout Mice. <i>Shock</i> , 2021, Publish Ahead of Print, .	2.1	7
131	Effects of Acute Subdural Hematoma-Induced Brain Injury On Energy Metabolism in Peripheral Blood Mononuclear Cells. <i>Shock</i> , 2021, 55, 407-417.	2.1	7
132	Cardiac Effects of Hyperoxia During Resuscitation From Hemorrhagic Shock in Swine. <i>Shock</i> , 2019, 52, e52-e59.	2.1	6
133	Temporal—spatial organ response after blast-induced experimental blunt abdominal trauma. <i>FASEB Journal</i> , 2021, 35, e22038.	0.5	6
134	Before the ICU: does emergency room hyperoxia affect outcome?. <i>Critical Care</i> , 2018, 22, 59.	5.8	5
135	Intravenous hydrogen sulfide does not induce neuroprotection after aortic balloon occlusion-induced spinal cord ischemia/reperfusion injury in a human-like porcine model of ubiquitous arteriosclerosis. <i>Intensive Care Medicine Experimental</i> , 2018, 6, 44.	1.9	5
136	Metabolic monitoring via on-line analysis of <sup>13</sup> C-enriched carbon dioxide in exhaled mouse breath using substrate-integrated hollow waveguide infrared spectroscopy and luminescence sensing combined with Bayesian sampling. <i>Journal of Breath Research</i> , 2021, 15, 026013.	3.0	5
137	Localization of the hydrogen sulfide and oxytocin systems at the depth of the sulci in a porcine model of acute subdural hematoma. <i>Neural Regeneration Research</i> , 2021, 16, 2376.	3.0	5
138	EFFECTS OF INTRARENAL ADMINISTRATION OF THE CALCIUM ANTAGONIST NIMODIPINE DURING PORCINE AORTIC OCCLUSION-INDUCED ISCHEMIA/REPERFUSION INJURY. <i>Shock</i> , 2008, 29, 717-723.	2.1	5
139	The H <sub>2</sub> S Donor Sodium Thiosulfate (Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> ) Does Not Improve Inflammation and Organ Damage After Hemorrhagic Shock in Cardiovascular Healthy Swine. <i>Frontiers in Immunology</i> , 0, 13, .	4.8	5
140	Hypertonic lactate solutions: a new horizon for fluid resuscitation?. <i>Intensive Care Medicine</i> , 2008, 34, 1749-1751.	8.2	4
141	Does hyperoxia enhance susceptibility to secondary pulmonary infection in the ICU?. <i>Critical Care</i> , 2016, 20, 239.	5.8	4
142	Editorial: Translational Insights Into Mechanisms and Therapy of Organ Dysfunction in Sepsis and Trauma. <i>Frontiers in Immunology</i> , 2020, 11, 1987.	4.8	4
143	Pulmonary and renal protection: targeting PARP to ventilator-induced lung and kidney injury?. <i>Critical Care</i> , 2010, 14, 147.	5.8	3
144	A mouse is not a man: Should we abandon murine models in critical care research?*. <i>Critical Care Medicine</i> , 2011, 39, 2371-2373.	0.9	3

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145	Understanding the benefits and harms of oxygen therapy: response to comments by Akca. Intensive Care Medicine, 2015, 41, 1875-1875.	8.2	3
146	Cardiac surgery, a right target for hyperoxia?. Critical Care, 2016, 20, 162.	5.8	3
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