

# Oscar McCook

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1379485/publications.pdf>

Version: 2024-02-01

67  
papers

1,089  
citations

394421  
19  
h-index

501196  
28  
g-index

73  
all docs

73  
docs citations

73  
times ranked

1008  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Role of Alpha and Beta Platelet-Derived Growth Factor Receptor in the Vascular Response to Injury in Nonhuman Primates. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1999, 19, 900-909.	2.4	71
2	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
3	Effects of intravenous sulfide during resuscitated porcine hemorrhagic shock*. <i>Critical Care Medicine</i> , 2012, 40, 2157-2167.	0.9	44
4	Role of Hemorrhagic Shock in Experimental Polytrauma. <i>Shock</i> , 2018, 49, 154-163.	2.1	41
5	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
6	Effects of the Humanized Anti-Adrenomedullin Antibody Adrecizumab (HAM8101) on Vascular Barrier Function and Survival in Rodent Models of Systemic Inflammation and Sepsis. <i>Shock</i> , 2018, 50, 648-654.	2.1	37
7	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
8	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
9	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
10	Exposure to 100% Oxygen Abolishes the Impairment of Fracture Healing after Thoracic Trauma. <i>PLoS ONE</i> , 2015, 10, e0131194.	2.5	29
11	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
12	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
13	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
14	Temperature and Cell-Type Dependency of Sulfide Effects on Mitochondrial Respiration. <i>Shock</i> , 2012, 38, 367-374.	2.1	26
15	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
16	Association of Kidney Tissue Barrier Disrupture and Renal Dysfunction in Resuscitated Murine Septic Shock. <i>Shock</i> , 2016, 46, 398-404.	2.1	24
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Impaired Glucocorticoid Receptor Dimerization Aggravates LPS-Induced Circulatory and Pulmonary Dysfunction. <i>Frontiers in Immunology</i> , 2020, 10, 3152.	4.8	22
20	Effects of Pretreatment Hypothermia During Resuscitated Porcine Hemorrhagic Shock. <i>Critical Care Medicine</i> , 2013, 41, e105-e117.	0.9	21
21	Physiological and Immune-Biological Characterization of a Long-Term Murine Model of Blunt Chest Trauma. <i>Shock</i> , 2015, 43, 140-147.	2.1	21
22	Maternal Separation Induces Long-Term Alterations in the Cardiac Oxytocin Receptor and Cystathionine $\beta$ -Lyase Expression in Mice. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-10.	4.0	21
23	Interaction of the hydrogen sulfide system with the oxytocin system in the injured mouse heart. <i>Intensive Care Medicine Experimental</i> , 2018, 6, 41.	1.9	20
24	Effects of the PPAR- $\delta$ agonist GW0742 during resuscitated porcine septic shock. <i>Intensive Care Medicine Experimental</i> , 2013, 1, 28.	1.9	19
25	Left ventricular function during porcine-resuscitated septic shock with pre-existing atherosclerosis. <i>Intensive Care Medicine Experimental</i> , 2016, 4, 14.	1.9	19
26	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
27	The Effects of Genetic 3-Mercaptopyruvate Sulfurtransferase Deficiency in Murine Traumatic-Hemorrhagic Shock. <i>Shock</i> , 2019, 51, 472-478.	2.1	18
28	The Role of Glucocorticoid Receptor and Oxytocin Receptor in the Septic Heart in a Clinically Relevant, Resuscitated Porcine Model With Underlying Atherosclerosis. <i>Frontiers in Endocrinology</i> , 2020, 11, 299.	3.5	18
29	Sulfide-inhibition of mitochondrial respiration at very low oxygen concentrations. <i>Nitric Oxide - Biology and Chemistry</i> , 2014, 41, 79-84.	2.7	17
30	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
31	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
32	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
33	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
34	Erythropoietin in the critically ill: do we ask the right questions?. <i>Critical Care</i> , 2012, 16, 319.	5.8	12
35	In-depth characterization of a long-term, resuscitated model of acute subdural hematoma-induced brain injury. <i>Journal of Neurosurgery</i> , 2021, 134, 223-234.	1.6	12
36	Cerebral Immunohistochemical Characterization of the H2S and the Oxytocin Systems in a Porcine Model of Acute Subdural Hematoma. <i>Frontiers in Neurology</i> , 2020, 11, 649.	2.4	11

#	ARTICLE	IF	CITATIONS
37	Hyperoxia or Therapeutic Hypothermia During Resuscitation from Non-Lethal Hemorrhagic Shock in Swine. <i>Shock</i> , 2017, 48, 564-570.	2.1	10
38	Impact of hyperglycemia on cystathionine- $\beta$ -lyase expression during resuscitated murine septic shock. <i>Intensive Care Medicine Experimental</i> , 2017, 5, 30.	1.9	10
39	Effects of Psychosocial Stress on Subsequent Hemorrhagic Shock and Resuscitation in Male Mice. <i>Shock</i> , 2019, 51, 725-730.	2.1	10
40	H2S as a Therapeutic Adjuvant Against COVID-19: Why and How?. <i>Shock</i> , 2021, 56, 865-867.	2.1	10
41	H2S and Oxytocin Systems in Early Life Stress and Cardiovascular Disease. <i>Journal of Clinical Medicine</i> , 2021, 10, 3484.	2.4	10
42	H2S in acute lung injury: a therapeutic dead end(?). <i>Intensive Care Medicine Experimental</i> , 2020, 8, 33.	1.9	10
43	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
44	Impact of downstream effects of glucocorticoid receptor dysfunction on organ function in critical illness-associated systemic inflammation. <i>Intensive Care Medicine Experimental</i> , 2020, 8, 37.	1.9	9
45	H2S in Critical Illness—A New Horizon for Sodium Thiosulfate?. <i>Biomolecules</i> , 2022, 12, 543.	4.0	9
46	Role of the Purinergic Receptor P2XR4 After Blunt Chest Trauma in Cigarette Smoke-Exposed Mice. <i>Shock</i> , 2017, 47, 193-199.	2.1	8
47	Microcirculation vs. Mitochondria—What to Target?. <i>Frontiers in Medicine</i> , 2020, 7, 416.	2.6	7
48	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
49	Cardiac Effects of Hyperoxia During Resuscitation From Hemorrhagic Shock in Swine. <i>Shock</i> , 2019, 52, e52-e59.	2.1	6
50	$\beta$ -MST and the Regulation of Cardiac CSE and OTR Expression in Trauma and Hemorrhage. <i>Antioxidants</i> , 2021, 10, 233.	5.1	6
51	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
52	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
53	To the Editor:. <i>Shock</i> , 2021, 55, 138-139.	2.1	4
54	Biological Connection of Psychological Stress and Polytrauma under Intensive Care: The Role of Oxytocin and Hydrogen Sulfide. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9192.	4.1	3

#	ARTICLE	IF	CITATIONS
55	Mouse Intensive Care Unit (MICU). Methods in Molecular Biology, 2021, 2321, 121-135.	0.9	2
56	Human Placental Tissue Contains A Placental Lactogenâ€œDerived Vasoinhibin. Journal of the Endocrine Society, 2022, 6, bvac029.	0.2	2
57	Brain Histology and Immunohistochemistry After Resuscitation From Hemorrhagic Shock in Swine With Pre-Existing Atherosclerosis and Sodium Thiosulfate (Na2S2O3) Treatment. Frontiers in Medicine, 0, 9, .	2.6	2
58	Time-dependent effects of intravenous H2S during long-term, resuscitated porcine hemorrhagic shock. Critical Care, 2010, 14, P3.	5.8	1
59	Reduced EPO receptor expression may contribute to limited pleiotropic effects of EPO during critical illness. Critical Care, 2012, 16, .	5.8	1
60	Effects of the anti-diabetic imeglimin in hyperglycemic mice with septic shock. Critical Care, 2012, 16, .	5.8	1
61	Effects of Sodium Thiosulfate During Resuscitation From Trauma-and-Hemorrhage in Cystathionine-Î³-Lyase Knockout Mice With Diabetes Type 1. Frontiers in Medicine, 2022, 9, 878823.	2.6	1
62	Effect of intravenous H2S on porcine aortic occlusion-induced systemic inflammation and kidney ischemia/reperfusion injury. Critical Care, 2010, 14, P507.	5.8	0
63	Pre-emptive hypothermia during resuscitated porcine hemorrhagic shock. Critical Care, 2012, 16, .	5.8	0
64	Reduced expression of PPAR-Î²/Î³ limits the potential beneficial effects of GW0742 during septic shock in atherosclerotic swine. Critical Care, 2012, 16, .	5.8	0
65	Adrenomedullin blockade improves catecholamine responsiveness and kidney function in resuscitated murine septic shock. Critical Care, 2012, 16, .	5.8	0
66	Physiological and Immune-Biological Characterization of a Long-Term Murine Model of Blunt Chest Trauma. Shock, 2015, 43, 425.	2.1	0
67	The Gasotransmitter Hydrogen Sulfide and the Neuropeptide Oxytocin as Potential Mediators of Beneficial Cardiovascular Effects through Meditation after Traumatic Events. Trauma Care, 2021, 1, 183-194.	0.9	0