

Gediminas Cepinskas

List of Publications by Year in descending order

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83
papers

2,831
citations

147726

31
h-index

206029

48
g-index

85
all docs

85
docs citations

85
times ranked

3486
citing authors

#	ARTICLE	IF	CITATIONS
1	Early mobilization in the critical care unit: A review of adult and pediatric literature. <i>Journal of Critical Care</i> , 2015, 30, 664-672.	1.0	203
2	<i>Helicobacter pylori</i> -induced microvascular protein leakage in rats: Role of neutrophils, mast cells, and platelets. <i>Gastroenterology</i> , 1994, 107, 70-79.	0.6	131
3	Carbon monoxide liberated from carbon monoxide-releasing molecule CORM-2 attenuates inflammation in the liver of septic mice. <i>American Journal of Physiology - Renal Physiology</i> , 2008, 294, G184-G191.	1.6	115
4	Endothelial Injury and Glycocalyx Degradation in Critically Ill Coronavirus Disease 2019 Patients: Implications for Microvascular Platelet Aggregation. , 2020, 2, e0194.		99
5	Metabolomics Profiling of Critically Ill Coronavirus Disease 2019 Patients: Identification of Diagnostic and Prognostic Biomarkers. , 2020, 2, e0272.		92
6	Carbon monoxide-releasing molecules protect against ischemia-reperfusion injury during kidney transplantation. <i>Kidney International</i> , 2011, 79, 1080-1089.	2.6	85
7	Role of endothelial nitric oxide synthase-derived nitric oxide in activation and dysfunction of cerebrovascular endothelial cells during early onsets of sepsis. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008, 295, H1712-H1719.	1.5	83
8	Endotoxin promotes adhesion of human erythrocytes to human vascular endothelial cells under conditions of flow. <i>Critical Care Medicine</i> , 2000, 28, 1865-1870.	0.4	81
9	Inflammatory Response in Microvascular Endothelium in Sepsis: Role of Oxidants. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2008, 42, 175-184.	0.6	78
10	Carbon monoxide releasing molecule-3 improves myocardial function in mice with sepsis by inhibiting NLRP3 inflammasome activation in cardiac fibroblasts. <i>Basic Research in Cardiology</i> , 2017, 112, 16.	2.5	76
11	Carbon Monoxide Liberated from CO-Releasing Molecule (CORM-2) Attenuates Ischemia/Reperfusion (I/R)-Induced Inflammation in the Small Intestine. <i>Inflammation</i> , 2010, 33, 92-100.	1.7	74
12	Inflammation Profiling of Critically Ill Coronavirus Disease 2019 Patients. , 2020, 2, e0144.		69
13	LPS tolerance in human endothelial cells: reduced PMN adhesion, E-selectin expression, and NF- κ B mobilization. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2000, 278, H853-H861.	1.5	68
14	Transendothelial Neutrophil Migration. <i>Circulation Research</i> , 1997, 81, 618-626.	2.0	66
15	Tumor Necrosis Factor- α -Induced Cytokine-Induced Neutrophil Chemoattractant-1 (CINC-1) Production by Rat Gastric Epithelial Cells: Role of Reactive Oxygen Species and Nuclear Factor- κ B. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2004, 309, 670-676.	1.3	60
16	Translational Research in Pediatrics II: Blood Collection, Processing, Shipping, and Storage. <i>Pediatrics</i> , 2013, 131, 754-766.	1.0	59
17	Inhibition of calpain reduces oxidative stress and attenuates endothelial dysfunction in diabetes. <i>Cardiovascular Diabetology</i> , 2014, 13, 88.	2.7	55
18	CORM-3-derived CO modulates polymorphonuclear leukocyte migration across the vascular endothelium by reducing levels of cell surface-bound elastase. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009, 297, H920-H929.	1.5	53

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19	Anoxia/Reoxygenation-Induced Tolerance With Respect to Polymorphonuclear Leukocyte Adhesion to Cultured Endothelial Cells. <i>Circulation Research</i> , 1999, 84, 103-112.	2.0	51
20	PMN transendothelial migration decreases nuclear NF κ B in IL-1 β -activated endothelial cells. <i>Journal of Cell Biology</i> , 2003, 161, 641-651.	2.3	51
21	Cardiac Myocytes Activated by Septic Plasma Promote Neutrophil Transendothelial Migration. <i>Circulation Research</i> , 2004, 94, 944-951.	2.0	50
22	Diabetic Ketoacidosis Elicits Systemic Inflammation Associated with Cerebrovascular Endothelial Cell Dysfunction. <i>Microcirculation</i> , 2013, 20, 534-543.	1.0	48
23	Dextran sulfate sodium-induced acute colonic inflammation in angiotensin II type 1a receptor deficient mice. <i>Inflammation Research</i> , 2008, 57, 84-91.	1.6	46
24	Novel Outcome Biomarkers Identified With Targeted Proteomic Analyses of Plasma From Critically Ill Coronavirus Disease 2019 Patients. , 2020, 2, e0189.		44
25	CXCL1/CXCL8 (GRO α /IL-8) in human diabetic ketoacidosis plasma facilitates leukocyte recruitment to cerebrovascular endothelium in vitro. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014, 306, E1077-E1084.	1.8	43
26	Cardiac myocytes exposed to anoxia-reoxygenation promote neutrophil transendothelial migration. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2001, 281, H440-H447.	1.5	42
27	LPS pretreatment ameliorates peritonitis-induced myocardial inflammation and dysfunction: role of myocytes. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1999, 277, H885-H892.	1.5	38
28	Carbon Monoxide Releasing Molecules Inhibit Cell Death Resulting from Renal Transplantation Related Stress. <i>Journal of Urology</i> , 2013, 190, 772-778.	0.2	38
29	Transcriptional profiling of leukocytes in critically ill COVID19 patients: implications for interferon response and coagulation. <i>Intensive Care Medicine Experimental</i> , 2020, 8, 75.	0.9	37
30	Interaction between reactive oxygen metabolites and nitric oxide in oxidant tolerance ^{1,2} This article is part of a series of reviews on "Vascular Dysfunction and Free Radicals." The full list of papers may be found on the homepage of the journal. 2Guest Editor: Toshikazu Yoshikawa. <i>Free Radical Biology and Medicine</i> , 2002, 33, 433-440.	1.3	36
31	Neutrophils Induce Sequential Focal Changes in Endothelial Adherens Junction Components: Role of Elastase. <i>Microcirculation</i> , 2003, 10, 205-220.	1.0	36
32	Carbon monoxide-releasing molecule 3 inhibits myeloperoxidase (MPO) and protects against MPO-induced vascular endothelial cell activation/dysfunction. <i>Free Radical Biology and Medicine</i> , 2014, 70, 167-173.	1.3	36
33	Regulation of intestinal nuclear factor- κ B activity and E-selectin expression during sepsis: A role for peroxynitrite. <i>Gastroenterology</i> , 2003, 124, 118-128.	0.6	34
34	Albumin leak across human pulmonary microvascular vs. umbilical vein endothelial cells under septic conditions. <i>Microvascular Research</i> , 2006, 71, 40-47.	1.1	32
35	CORM-401 Reduces Ischemia Reperfusion Injury in an Ex Vivo Renal Porcine Model of the Donation After Circulatory Death. <i>Transplantation</i> , 2018, 102, 1066-1074.	0.5	32
36	Inducible NO synthase (iNOS) in human neutrophils but not pulmonary microvascular endothelial cells (PMVEC) mediates septic protein leak in vitro. <i>Microvascular Research</i> , 2007, 74, 23-31.	1.1	30

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37	Anti-inflammatory Effects of Carbon Monoxide-Releasing Molecule on Trinitrobenzene Sulfonic Acid-Induced Colitis in Mice. <i>Digestive Diseases and Sciences</i> , 2014, 59, 1142-1151.	1.1	30
38	Endothelial E- and P-selectin expression in iNOS- deficient mice exposed to polymicrobial sepsis. <i>American Journal of Physiology - Renal Physiology</i> , 2001, 280, G291-G297.	1.6	28
39	Remote inflammatory response in liver is dependent on the segmental level of spinal cord injury. <i>Journal of Trauma</i> , 2012, 72, 1194-1201.	2.3	27
40	Mechanisms and consequences of acquired brain injury during development. <i>Pathophysiology</i> , 2013, 20, 49-57.	1.0	27
41	Delayed preconditioning in cardiac myocytes with respect to development of a proinflammatory phenotype: role of SOD and NOS. <i>Cardiovascular Research</i> , 2003, 59, 901-911.	1.8	25
42	Cellular mechanisms of acute versus delayed preconditioning. <i>Pathophysiology</i> , 1998, 5, 35-48.	1.0	24
43	Aspirin-induced, neutrophil-mediated injury to vascular endothelium. <i>Inflammation</i> , 1995, 19, 297-312.	1.7	23
44	Nitric Oxide Attenuates but Superoxide Enhances iNOS Expression in Endotoxin- and IFN γ -stimulated Skeletal Muscle Endothelial Cells. <i>Microcirculation</i> , 2001, 8, 415-425.	1.0	23
45	Carbon liberated from CO-releasing molecules attenuates leukocyte infiltration in the small intestine of thermally injured mice. <i>World Journal of Gastroenterology</i> , 2007, 13, 6183.	1.4	23
46	Endothelial Glycocalyx Degradation in Critical Illness and Injury. <i>Frontiers in Medicine</i> , 0, 9, .	1.2	23
47	Human neutrophil-pulmonary microvascular endothelial cell interactions in vitro: Differential effects of nitric oxide vs. peroxynitrite. <i>Microvascular Research</i> , 2008, 76, 80-88.	1.1	22
48	Elevated Leukocyte Azurophilic Enzymes in Human Diabetic Ketoacidosis Plasma Degrade Cerebrovascular Endothelial Junctional Proteins*. <i>Critical Care Medicine</i> , 2016, 44, e846-e853.	0.4	20
49	Human severe sepsis cytokine mixture increases β 2-integrin-dependent polymorphonuclear leukocyte adhesion to cerebral microvascular endothelial cells in vitro. <i>Critical Care</i> , 2015, 19, 149.	2.5	19
50	Hindlimb Ischemia/Reperfusion-Induced Remote Injury to the Small Intestine: Role of Inducible Nitric-Oxide Synthase-Derived Nitric Oxide. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2009, 329, 919-927.	1.3	18
51	Carbon monoxide-releasing molecule, CORM-3, modulates alveolar macrophage M1/M2 phenotype in vitro. <i>Inflammopharmacology</i> , 2018, 26, 435-445.	1.9	18
52	Pretreatment of Human Cerebrovascular Endothelial Cells with CO-releasing Molecule β Interferes with JNK/AP β 1 Signaling and Suppresses LPS-induced Proadhesive Phenotype. <i>Microcirculation</i> , 2015, 22, 28-36.	1.0	17
53	Carbon monoxide-releasing molecule CORM-3 suppresses vascular endothelial cell SOD-1/SOD-2 activity while up-regulating the cell surface levels of SOD-3 in a heparin-dependent manner. <i>Free Radical Biology and Medicine</i> , 2010, 49, 1534-1541.	1.3	16
54	The Effect of Tidal Volume on Systemic Inflammation in Acid-Induced Lung Injury. <i>Respiration</i> , 2011, 81, 333-342.	1.2	15

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55	The Severity of Microvascular Dysfunction Due to Compartment Syndrome Is Diminished by the Systemic Application of CO-Releasing Molecule-3. <i>Journal of Orthopaedic Trauma</i> , 2014, 28, e263-e268.	0.7	15
56	Case Report: Inflammation and Endothelial Injury Profiling of COVID-19 Pediatric Multisystem Inflammatory Syndrome (MIS-C). <i>Frontiers in Pediatrics</i> , 2021, 9, 597926.	0.9	15
57	Dynamic regulation of plasma matrix metalloproteinases in human diabetic ketoacidosis. <i>Pediatric Research</i> , 2016, 79, 295-300.	1.1	14
58	Traumatic injury elicits JNK-mediated human astrocyte retraction in vitro. <i>Neuroscience</i> , 2014, 274, 1-10.	1.1	13
59	Systemic application of carbon monoxide-releasing molecule 3 protects skeletal muscle from ischemia-reperfusion injury. <i>Journal of Vascular Surgery</i> , 2017, 66, 1864-1871.	0.6	10
60	Anti- α 4 β 1 integrin antibody induces receptor internalization and does not impair the function of circulating neutrophilic leukocytes. <i>Inflammation Research</i> , 2010, 59, 647-657.	1.6	9
61	Carbon Monoxide-Releasing Molecule-401 Suppresses Polymorphonuclear Leukocyte Migratory Potential by Modulating F-Actin Dynamics. <i>American Journal of Pathology</i> , 2017, 187, 1121-1133.	1.9	9
62	Peritonitis induces rat cardiac myocytes to promote polymorphonuclear leukocyte emigration and activate endothelial cells: Effect of lipopolysaccharide pretreatment. <i>Critical Care Medicine</i> , 2001, 29, 1774-1779.	0.4	8
63	Neutrophil-endothelial cell interactions during the development of tolerance to ischaemia/reperfusion in isolated cells. <i>Acta Physiologica Scandinavica</i> , 2001, 173, 23-33.	2.3	8
64	Systemic Administration of Carbon Monoxide-Releasing Molecule-3 Protects the Skeletal Muscle in Porcine Model of Compartment Syndrome. <i>Critical Care Medicine</i> , 2018, 46, e469-e472.	0.4	8
65	Detection and Profiling of Human Coronavirus Immunoglobulins in Critically Ill Coronavirus Disease 2019 Patients. , 2021, 3, e0369.		8
66	True. <i>Microcirculation</i> , 2001, 8, 415-425.	1.0	8
67	Carbon monoxide-releasing molecule-3 (CORM-3) offers protection in an in vitro model of compartment syndrome. <i>Microcirculation</i> , 2019, 26, e12577.	1.0	7
68	Critically Ill COVID-19 Patients Exhibit Anti-SARS-CoV-2 Serological Responses. <i>Pathophysiology</i> , 2021, 28, 212-223.	1.0	7
69	Simulated diabetic ketoacidosis therapy in vitro elicits brain cell swelling via sodium-hydrogen exchange and anion transport. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2015, 309, E370-E379.	1.8	5
70	National Preclinical Sepsis Platform: developing a framework for accelerating innovation in Canadian sepsis research. <i>Intensive Care Medicine Experimental</i> , 2021, 9, 14.	0.9	5
71	Proteinase 3 contributes to endothelial dysfunction in an experimental model of sepsis. <i>Experimental Biology and Medicine</i> , 2021, 246, 2338-2345.	1.1	3
72	Nitric Oxide Attenuates but Superoxide Enhances iNOS Expression in Endotoxin- and IFN γ -Stimulated Skeletal Muscle Endothelial Cells. <i>Microcirculation</i> , 2001, 8, 415-425.	1.0	2

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73	Epithelial and mast cell products differentially modulate migration of epithelial cells in wounded monolayers. <i>Pathophysiology</i> , 1999, 5, 263-270.	1.0	1
74	Neutrophils Induce Sequential Focal Changes in Endothelial Adherens Junction Components: Role of Elastase. <i>Microcirculation</i> , 2003, 10, 205-220.	1.0	1
75	Inflammatory Response In The Small Intestine Induced By Hind Limb Ischemia/Reperfusion (I/R): Role of iNOS. <i>FASEB Journal</i> , 2006, 20, A1083.	0.2	1
76	Role of iNOS-derived nitric oxide (NO) on hind limb ischemia/reperfusion (I/R)-induced remote injury to the gut. <i>FASEB Journal</i> , 2007, 21, A1219.	0.2	1
77	Modulating Neutrophil-derived MPO-Endothelial Surface Binding with CORMs. <i>FASEB Journal</i> , 2015, 29, 418.9.	0.2	1
78	A Proteinase 3 Contribution to Juvenile Idiopathic Arthritis-Associated Cartilage Damage. <i>Pathophysiology</i> , 2021, 28, 320-327.	1.0	0
79	Mediators Released from LPS-challenged Lungs into Circulation Induce the Inflammatory Response in Liver Vascular Endothelial Cells. <i>FASEB Journal</i> , 2009, 23, 741.7.	0.2	0
80	Concussive injury elicits human cerebrovascular endothelial cell activation in vitro. <i>FASEB Journal</i> , 2013, 27, 650.10.	0.2	0
81	CORM-derived CO suppresses NLRP3 inflammasome in cardiac fibroblasts and protects cardiomyocytes from apoptosis in mice with sepsis (1096.6). <i>FASEB Journal</i> , 2014, 28, 1096.6.	0.2	0
82	Modulating myeloperoxidase-induced endothelial damage by a carbon monoxide-releasing molecule, CORM (146.9). <i>FASEB Journal</i> , 2014, 28, 146.9.	0.2	0
83	Diabetic Ketoacidosis Alters Plasma Levels of Matrix Metalloproteinases and PMN-specific Elastase in Children. <i>FASEB Journal</i> , 2015, 29, 927.5.	0.2	0