Lucas Liaudet

List of Publications by Year
in descending order

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206 papers	18,644 citations	17440 63 h-index	12272 133 g-index
215 all docs	215 docs citations	215 times ranked	22676 citing authors

#	Article	IF	Citations
1	Nitric Oxide and Peroxynitrite in Health and Disease. Physiological Reviews, 2007, 87, 315-424.	28.8	5,209
2	From evidence to clinical practice: Effective implementation of therapeutic hypothermia to improve patient outcome after cardiac arrest*. Critical Care Medicine, 2006, 34, 1865-1873.	0.9	622
3	Diabetic endothelial dysfunction: the role of poly(ADP-ribose) polymerase activation. Nature Medicine, 2001, 7, 108-113.	30.7	593
4	The role of oxidative stress during inflammatory processes. Biological Chemistry, 2014, 395, 203-230.	2.5	469
5	Cannabidiol Attenuates Cardiac Dysfunction, Oxidative Stress, Fibrosis, and Inflammatory and Cell Death Signaling Pathways in Diabetic Cardiomyopathy. Journal of the American College of Cardiology, 2010, 56, 2115-2125.	2.8	389
6	Drug-induced mitochondrial dysfunction and cardiotoxicity. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 309, H1453-H1467.	3.2	377
7	Predictors of awakening from postanoxic status epilepticus after therapeutic hypothermia. Neurology, 2009, 72, 744-749.	1.1	325
8	Role of superoxide, nitric oxide, and peroxynitrite in doxorubicin-induced cell death in vivo and in vitro. American Journal of Physiology - Heart and Circulatory Physiology, 2009, 296, H1466-H1483.	3.2	314
9	Biology of nitric oxide signaling. Critical Care Medicine, 2000, 28, N37-N52.	0.9	301
10	The Role of Poly(ADP-Ribose) Polymerase Activation in the Development of Myocardial and Endothelial Dysfunction in Diabetes. Diabetes, 2002, 51, 514-521.	0.6	286
11	Potent Metalloporphyrin Peroxynitrite Decomposition Catalyst Protects Against the Development of Doxorubicin-Induced Cardiac Dysfunction. Circulation, 2003, 107, 896-904.	1.6	263
12	Flagellin, a Novel Mediator of Salmonella-Induced Epithelial Activation and Systemic Inflammation: Iˆºbˆ± Degradation, Induction of Nitric Oxide Synthase, Induction of Proinflammatory Mediators, and Cardiovascular Dysfunction. Journal of Immunology, 2001, 166, 1248-1260.	0.8	246
13	Interplay of oxidative, nitrosative/nitrative stress, inflammation, cell death and autophagy in diabetic cardiomyopathy. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2015, 1852, 232-242.	3.8	232
14	CB₂-receptor stimulation attenuates TNF-Î±-induced human endothelial cell activation, transendothelial migration of monocytes, and monocyte-endothelial adhesion. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 293, H2210-H2218.	3.2	223
15	Nitrosative stress and pharmacological modulation of heart failure. Trends in Pharmacological Sciences, 2005, 26, 302-310.	8.7	217
16	Hypertension. Hypertension, 2006, 48, 1012-1017.	2.7	214
17	Cannabinoid 1 Receptor Promotes Cardiac Dysfunction, Oxidative Stress, Inflammation, and Fibrosis in Diabetic Cardiomyopathy. Diabetes, 2012, 61, 716-727.	0.6	214
18	Rapid Reversal of the Diabetic Endothelial Dysfunction by Pharmacological Inhibition of Poly(ADP-Ribose) Polymerase. Circulation Research, 2001, 89, 684-691.	4.5	190

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19	Pharmacological Inhibition of CB1Cannabinoid Receptor Protects Against Doxorubicin-Induced Cardiotoxicity. Journal of the American College of Cardiology, 2007, 50, 528-536.	2.8	188
20	Activation of Poly(ADP-Ribose) Polymerase-1 Is a Central Mechanism of Lipopolysaccharide-Induced Acute Lung Inflammation. American Journal of Respiratory and Critical Care Medicine, 2002, 165, 372-377.	5.6	187
21	Novel phenanthridinone inhibitors of poly(adenosine 5â€²-diphosphate-ribose) synthetase: Potent cytoprotective and antishock agents*. Critical Care Medicine, 2002, 30, 1071-1082.	0.9	187
22	Role of peroxynitrite in the redox regulation of cell signal transduction pathways. Frontiers in Bioscience - Landmark, 2009, Volume, 4809.	3.0	181
23	Early predictors of outcome in comatose survivors of ventricular fibrillation and non-ventricular fibrillation cardiac arrest treated with hypothermia: A prospective study*. Critical Care Medicine, 2008, 36, 2296-2301.	0.9	178
24	Cannabidiol attenuates high glucose-induced endothelial cell inflammatory response and barrier disruption. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 293, H610-H619.	3.2	168
25	Cannabidiol protects against hepatic ischemia/reperfusion injury by attenuating inflammatory signaling and response, oxidative/nitrative stress, and cell death. Free Radical Biology and Medicine, 2011, 50, 1368-1381.	2.9	163
26	CB1 cannabinoid receptors promote oxidative stress and cell death in murine models of doxorubicin-induced cardiomyopathy and in human cardiomyocytes. Cardiovascular Research, 2010, 85, 773-784.	3.8	162
27	Poly(ADP-Ribose) Polymerase Inhibition Reduces Reperfusion Injury After Heart Transplantation. Circulation Research, 2002, 90, 100-106.	4.5	160
28	Opportunities for the repurposing of PARP inhibitors for the therapy of nonâ€oncological diseases. British Journal of Pharmacology, 2018, 175, 192-222.	5.4	160
29	Hypertension and microvascular remodelling. Cardiovascular Research, 2008, 78, 274-285.	3.8	157
30	Resistance to Acute Septic Peritonitis in Poly(ADP-ribose) Polymerase-1-Deficient Mice. Shock, 2002, 17, 286-292.	2.1	148
31	Is nitric oxide overproduction the target of choice for the management of septic shock?. , 2001, 91, 179-213.		131
32	Peroxynitrite is a major trigger of cardiomyocyte apoptosis in vitro and in vivo. Free Radical Biology and Medicine, 2006, 41, 886-895.	2.9	131
33	Body temperature regulation and outcome after cardiac arrest and therapeutic hypothermia. Resuscitation, 2012, 83, 338-342.	3.0	131
34	Pivotal Advance: Cannabinoid-2 receptor agonist HU-308 protects against hepatic ischemia/reperfusion injury by attenuating oxidative stress, inflammatory response, and apoptosis. Journal of Leukocyte Biology, 2007, 82, 1382-1389.	3.3	122
35	Cannabidiol Protects against Doxorubicin-Induced Cardiomyopathy by Modulating Mitochondrial Function and Biogenesis. Molecular Medicine, 2015, 21, 38-45.	4.4	120
36	PARP inhibition protects against alcoholic and non-alcoholic steatohepatitis. Journal of Hepatology, 2017, 66, 589-600.	3.7	116

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37	Left ventricular pressure-volume relationship in a rat model of advanced aging-associated heart failure. American Journal of Physiology - Heart and Circulatory Physiology, 2004, 287, H2132-H2137.	3.2	114
38	Pathophysiological mechanisms of catecholamine and cocaine-mediated cardiotoxicity. Heart Failure Reviews, 2014, 19, 815-824.	3.9	114
39	Cannabinoidâ€1 receptor activation induces reactive oxygen speciesâ€dependent and â€independent mitogenâ€activated protein kinase activation and cell death in human coronary artery endothelial cells. British Journal of Pharmacology, 2010, 160, 688-700.	5.4	113
40	The macrocirculation and microcirculation of hypertension. Current Hypertension Reports, 2009, 11, 182-189.	3.5	112
41	Mitochondrial reactive oxygen species generation triggers inflammatory response and tissue injury associated with hepatic ischemiaâ€“reperfusion: Therapeutic potential of mitochondrially targeted antioxidants. Free Radical Biology and Medicine, 2012, 53, 1123-1138.	2.9	111
42	Poly (ADP-ribose) polymerase-1 is a key mediator of liver inflammation and fibrosis. Hepatology, 2014, 59, 1998-2009.	7.3	103
43	Pharmacologic inhibition of poly(adenosine diphosphate-ribose) polymerase may represent a novel therapeutic approach in chronic heart failure. Journal of the American College of Cardiology, 2002, 40, 1006-1016.	2.8	100
44	Cutting Edge: IL-1Î± Is a Crucial Danger Signal Triggering Acute Myocardial Inflammation during Myocardial Infarction. Journal of Immunology, 2015, 194, 499-503.	0.8	100
45	Flagellin from Gram-Negative Bacteria is a Potent Mediator of Acute Pulmonary Inflammation in Sepsis. Shock, 2003, 19, 131-137.	2.1	99
46	Decreased age-related cardiac dysfunction, myocardial nitrative stress, inflammatory gene expression, and apoptosis in mice lacking fatty acid amide hydrolase. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 293, H909-H918.	3.2	99
47	Nonselective versus Selective Inhibition of Inducible Nitric Oxide Synthase in Experimental Endotoxic Shock. Journal of Infectious Diseases, 1998, 177, 127-132.	4.0	94
48	Poly(ADP-ribose) polymerases as modulators of mitochondrial activity. Trends in Endocrinology and Metabolism, 2015, 26, 75-83.	7.1	92
49	Comparison of Inflammation, Organ Damage, and Oxidant Stress Induced by Salmonella enterica Serovar Muenchen Flagellin and Serovar Enteritidis Lipopolysaccharide. Infection and Immunity, 2002, 70, 192-198.	2.2	90
50	Endothelial dysfunction in aging animals: the role of poly(ADP-ribose) polymerase activation. British Journal of Pharmacology, 2002, 135, 1347-1350.	5.4	88
51	Cytokine clearance with CytoSorbÂ® during cardiac surgery: a pilot randomized controlled trial. Critical Care, 2019, 23, 108.	5.8	85
52	Inosine Reduces Systemic Inflammation and Improves Survival in Septic Shock Induced by Cecal Ligation and Puncture. American Journal of Respiratory and Critical Care Medicine, 2001, 164, 1213-1220.	5.6	83
53	A New, Potent Poly(ADP-ribose) Polymerase Inhibitor Improves Cardiac and Vascular Dysfunction Associated with Advanced Aging. Journal of Pharmacology and Experimental Therapeutics, 2004, 311, 485-491.	2.5	83
54	Inosine Exerts a Broad Range of Antiinflammatory Effects in a Murine Model of Acute Lung Injury. Annals of Surgery, 2002, 235, 568-578.	4.2	81

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55	Suppression of poly (ADP-ribose) polymerase activation by 3-aminobenzamide in a rat model of myocardial infarction: long-term morphological and functional consequences. British Journal of Pharmacology, 2001, 133, 1424-1430.	5.4	77
56	Three short perioperative infusions of n-3 PUFAs reduce systemic inflammation induced by cardiopulmonary bypass surgery: a randomized controlled trial. American Journal of Clinical Nutrition, 2013, 97, 246-254.	4.7	77
57	POLY (ADP-RIBOSE) SYNTHETASE MEDIATES INTESTINAL MUCOSAL BARRIER DYSFUNCTION AFTER MESENTERIC ISCHEMIA. Shock, 2000, 14, 134-141.	2.1	76
58	Xanthine oxidase inhibitor allopurinol attenuates the development of diabetic cardiomyopathy. Journal of Cellular and Molecular Medicine, 2009, 13, 2330-2341.	3.6	75
59	Poly(ADP-ribose)polymerase inhibition decreases angiogenesis. Biochemical and Biophysical Research Communications, 2006, 350, 1056-1062.	2.1	72
60	Use of Botulinum Toxin Type A to Avoid Tracheal Intubation or Tracheostomy in Severe Paradoxical Vocal Cord Movement. Chest, 2000, 118, 874-876.	0.8	68
61	Peroxynitrite Is a Potent Inhibitor of NF-Î²B Activation Triggered by Inflammatory Stimuli in Cardiac and Endothelial Cell Lines*. Journal of Biological Chemistry, 2005, 280, 34878-34887.	3.4	68
62	Poly(ADP-ribose) polymerase activation in the reperfused myocardium. Cardiovascular Research, 2004, 61, 471-480.	3.8	67
63	Pharmacological inhibition of poly(ADP-ribose) polymerase inhibits angiogenesis. Biochemical and Biophysical Research Communications, 2006, 350, 352-357.	2.1	66
64	Oxidants Positively or Negatively Regulate Nuclear Factor Î²B in a Context-dependent Manner. Journal of Biological Chemistry, 2010, 285, 15746-15752.	3.4	65
65	Selective iNOS Inhibition Is Superior to Norepinephrine in the Treatment of Rat Endotoxic Shock. American Journal of Respiratory and Critical Care Medicine, 1998, 157, 162-170.	5.6	63
66	Caspase-3 Protects Stressed Organs against Cell Death. Molecular and Cellular Biology, 2012, 32, 4523-4533.	2.3	63
67	Inosine improves gut permeability and vascular reactivity in endotoxic shock. Critical Care Medicine, 2001, 29, 703-708.	0.9	61
68	Peroxynitrite induces HMGB1 release by cardiac cells in vitro and HMGB1 upregulation in the infarcted myocardium in vivo. Cardiovascular Research, 2011, 89, 586-594.	3.8	61
69	Effects of norepinephrine on the distribution of intestinal blood flow and tissue adenosine triphosphate content in endotoxic shock. Critical Care Medicine, 2000, 28, 2500-2506.	0.9	60
70	Beneficial effects of a novel ultrapotent poly(ADP-ribose) polymerase inhibitor in murine models of heart failure. International Journal of Molecular Medicine, 2006, 17, 369-75.	4.0	59
71	Matrix metalloproteinase activation is an early event in doxorubicin-induced cardiotoxicity. Oncology Reports, 2004, 11, 505-8.	2.6	59
72	Cannabidiol Limits T Cell-Mediated Chronic Autoimmune Myocarditis: Implications to Autoimmune Disorders and Organ Transplantation. Molecular Medicine, 2016, 22, 136-146.	4.4	56

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73	Activation of poly(ADP-ribose) polymerase contributes to the endothelial dysfunction associated with hypertension and aging. International Journal of Molecular Medicine, 2002, 9, 659-64.	4.0	54
74	Role of poly(ADP-ribose) polymerase activation in endotoxin-induced cardiac collapse in rodents. Biochemical Pharmacology, 2002, 64, 1785-1791.	4.4	53
75	Interplay of cardiovascular mediators, oxidative stress and inflammation in liver disease and its complications. Nature Reviews Cardiology, 2021, 18, 117-135.	13.7	52
76	Negative Pressure Post-Tracheal Extubation Alveolar Hemorrhage. Anesthesia and Analgesia, 2001, 92, 273-275.	2.2	50
77	Part II: Beneficial Effects of the Peroxynitrite Decomposition Catalyst FP15 in Murine Models of Arthritis and Colitis. Molecular Medicine, 2002, 8, 581-590.	4.4	50
78	Beneficial Effects of L-Canavanine, a Selective Inhibitor of Inducible Nitric Oxide Synthase, during Rodent Endotoxaemia. Clinical Science, 1996, 90, 369-377.	4.3	48
79	Myocardial Ischemic Preconditioning in Rodents Is Dependent on Poly (ADP-Ribose) Synthetase. Molecular Medicine, 2001, 7, 406-417.	4.4	45
80	Pancreatic stone protein as an early biomarker predicting mortality in a prospective cohort of patients with sepsis requiring ICU management. Critical Care, 2012, 16, R114.	5.8	44
81	Sepsis up-regulates the expression of connexin 40 in rat aortic endothelium*. Critical Care Medicine, 2005, 33, 1302-1310.	0.9	43
82	Bacterial flagellin elicits widespread innate immune defense mechanisms, apoptotic signaling, and a sepsis-like systemic inflammatory response in mice. Critical Care, 2010, 14, R160.	5.8	42
83	A pragmatic approach to the use of inotropes for the management of acute and advanced heart failure: An expert panel consensus. International Journal of Cardiology, 2019, 297, 83-90.	1.7	42
84	Comparison of skin microvascular reactivity with hemostatic markers of endothelial dysfunction and damage in type 2 diabetes. Vascular Health and Risk Management, 2008, Volume 4, 1449-1458.	2.3	41
85	Endurance Training Enhances Vasodilation Induced by Nitric Oxide in Human Skin. Journal of Investigative Dermatology, 2003, 121, 1197-1204.	0.7	39
86	Homocysteine induces cell death in H9C2 cardiomyocytes through the generation of peroxynitrite. Biochemical and Biophysical Research Communications, 2007, 359, 445-450.	2.1	38
87	Bacterial Flagellin Triggers Cardiac Innate Immune Responses and Acute Contractile Dysfunction. PLoS ONE, 2010, 5, e12687.	2.5	38
88	Endotoxin impairs cardiac hemodynamics by affecting loading conditions but not by reducing cardiac inotropism. American Journal of Physiology - Heart and Circulatory Physiology, 2010, 299, H492-H501.	3.2	37
89	Neurological Pupil index for Early Prognostication After Venoarterial Extracorporeal Membrane Oxygenation. Chest, 2020, 157, 1167-1174.	0.8	36
90	ACUTE INFLAMMATION DECREASES THE EXPRESSION OF CONNEXIN 40 IN MOUSE LUNG. Shock, 2007, 28, 78-85.	2.1	35

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91	Effects of poly(ADP-ribose) polymerase inhibition on inflammatory cell migration in a murine model of asthma. Medical Science Monitor, 2004, 10, BR77-83.	1.1	35
92	Relapsing Acute Respiratory Failure Induced by Minocyclinea. Chest, 2003, 123, 2146-2148.	0.8	34
93	Endothelium-Dependent Vasodilation in the Skin Microcirculation of Patients with Septic Shock. Shock, 2003, 19, 274-280.	2.1	31
94	Acetylcholine-Induced Vasodilation and Reactive Hyperemia are not Affected by Acute Cyclo-Oxygenase Inhibition in Human Skin. Microcirculation, 2004, 11, 327-336.	1.8	31
95	Dose-Dependent Vasodilatory Effects of Acetylcholine and Local Warming on Skin Microcirculation. Journal of Cardiovascular Pharmacology, 2004, 44, 659-664.	1.9	31
96	Role of Nitrosative Stress and Activation of Poly(ADP-ribose) Polymerase-1 in Cardiovascular Failure Associated with Septic and Hemorrhagic Shock. Current Vascular Pharmacology, 2005, 3, 293-299.	1.7	31
97	The Vasodilatory Response of Skin Microcirculation to Local Heating is Subject to Desensitization. Microcirculation, 2009, 16, 265-275.	1.8	31
98	Pulmonary complications associated with veno-arterial extra-corporeal membrane oxygenation: a comprehensive review. Critical Care, 2020, 24, 212.	5.8	31
99	Blocking mineralocorticoid receptor with spironolactone may have a wide range of therapeutic actions in severe COVID-19 disease. Critical Care, 2020, 24, 318.	5.8	31
100	Matrix metalloproteinase activation is an early event in doxorubicin-induced cardiotoxicity. Oncology Reports, 2004, 11, 505.	2.6	30
101	High mobility group box 1 protein (HMGB-1): A pathogenic role in preeclampsia?. Placenta, 2014, 35, 784-786.	1.5	30
102	Activation of poly(ADP-ribose) polymerase contributes to the endothelial dysfunction associated with hypertension and aging. International Journal of Molecular Medicine, 2002, 9, 659.	4.0	29
103	Cardiogenic shock elicits acute inflammation, delayed eosinophilia, and depletion of immune cells in most severe cases. Scientific Reports, 2020, 10, 7639.	3.3	29
104	Local heating of human skin causes hyperemia without mediation by muscarinic cholinergic receptors or prostanoids. Journal of Applied Physiology, 2004, 97, 1781-1786.	2.5	28
105	Acute Endotoxemia Inhibits Microvascular Nitric Oxide-Dependent Vasodilation in Humans. Shock, 2011, 35, 28-34.	2.1	28
106	The flagellin-TLR5 axis: Therapeutic opportunities. Drug News and Perspectives, 2002, 15, 397.	1.5	28
107	Brain natriuretic peptide is able to stimulate cardiac progenitor cell proliferation and differentiation in murine hearts after birth. Basic Research in Cardiology, 2015, 110, 455.	5.9	27
108	Role of peroxynitrite in the cardiovascular dysfunction of septic shock. Current Vascular Pharmacology, 2013, 11, 196-207.	1.7	27

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109	Pyrrolidine dithiocarbamate administered during ex-vivo lung perfusion promotes rehabilitation of injured donor rat lungs obtained after prolonged warm ischemia. PLoS ONE, 2017, 12, e0173916.	2.5	26
110	Toll-like receptor 5 deficiency exacerbates cardiac injury and inflammation induced by myocardial ischaemia-reperfusion in the mouse. Clinical Science, 2015, 129, 187-198.	4.3	25
111	Pharmacological Reconditioning of Marginal Donor Rat Lungs Using Inhibitors of Peroxynitrite and Poly (ADP-ribose) Polymerase During Ex Vivo Lung Perfusion. Transplantation, 2016, 100, 1465-1473.	1.0	25
112	L-canavanine, an inhibitor of inducible nitric oxide synthase, improves venous return in endotoxemic rats. Critical Care Medicine, 1997, 25, 469-475.	0.9	25
113	Effect of L -lysine on nitric oxide overproduction in endotoxic shock. British Journal of Pharmacology, 1997, 122, 742-748.	5.4	22
114	TISSUE OXYGENATION AND HEMODYNAMIC RESPONSE TO NO SYNTHASE INHIBITION IN SEPTIC SHOCK. Shock, 2000, 14, 35-40.	2.1	22
115	Oxidative stress and regional ischemia-reperfusion injury: the peroxynitriteâ€“poly(ADP-ribose) polymerase connection. Coronary Artery Disease, 2003, 14, 115-122.	0.7	22
116	Review: Concomitant calcium entry blockade and inhibition of the renin-angiotensin system: a rational and effective means for treating hypertension. JRAAS - Journal of the Renin-Angiotensin-Aldosterone System, 2008, 9, 1-9.	1.7	22
117	Pathophysiology and clinical implications of the veno-arterial PCO2 gap. Critical Care, 2021, 25, 318.	5.8	22
118	Beneficial effects of a novel ultrapotent poly(ADP-ribose) polymerase inhibitor in murine models of heart failure. International Journal of Molecular Medicine, 2006, 17, 369.	4.0	21
119	Muscarinic receptor M₁and phosphodiesterase 1 are key determinants in pulmonary vascular dysfunction following perinatal hypoxia in mice. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2008, 295, L201-L213.	2.9	21
120	The PARP inhibitor olaparib exerts beneficial effects in mice subjected to cecal ligature and puncture and in cells subjected to oxidative stress without impairing DNA integrity: A potential opportunity for repurposing a clinically used oncological drug for the experimental therapy of sepsis. Pharmacological Research, 2019, 145, 104263.	7.1	21
121	The Right Ventricle in COVID-19. Journal of Clinical Medicine, 2021, 10, 2535.	2.4	21
122	Peroxynitrite Is a Key Mediator of the Cardioprotection Afforded by Ischemic Postconditioning In Vivo. PLoS ONE, 2013, 8, e70331.	2.5	21
123	Whole-body vibration training elevates creatine kinase levels in sedentary subjects. Swiss Medical Weekly, 2011, 141, w13222.	1.6	21
124	Role of innate immunity in cardiac inflammation after myocardial infarction. Frontiers in Bioscience - Scholar, 2013, S5, 86-104.	2.1	20
125	Prognostication of Mortality in Critically 111 Patients With Severe Infections. Chest, 2015, 148, 674-682.	0.8	20
126	Carboxyhemoglobin formation as an unexpected side effect of inhaled nitric oxide therapy in severe acute respiratory distress syndrome. Critical Care Medicine, 2004, 32, 2537-2539.	0.9	19

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127	Use of oscillometric devices in atrial fibrillation: a comparison of three devices and invasive blood pressure measurement. Blood Pressure, 2018, 27, 48-55.	1.5	19
128	Poly(adenosine 5â€²-diphosphate) ribose polymerase activation as a cause of metabolic dysfunction in critical illness. Current Opinion in Clinical Nutrition and Metabolic Care, 2002, 5, 175-184.	2.5	17
129	Preserved Capillary Density of Dorsal Finger Skin in Treated Hypertensive Patients with or without Type 2 Diabetes. Microcirculation, 2012, 19, 554-562.	1.8	17
130	Poly(ADP-Ribose) Polymerase Inhibition in Acute Lung Injury. A Reemerging Concept. American Journal of Respiratory Cell and Molecular Biology, 2020, 63, 571-590.	2.9	17
131	Part II: beneficial effects of the peroxynitrite decomposition catalyst FP15 in murine models of arthritis and colitis. Molecular Medicine, 2002, 8, 581-90.	4.4	17
132	Respiratory Complications of Gastroesophageal Reflux Associated With Paraesophageal Hiatal Hernia. Journal of Clinical Gastroenterology, 2003, 37, 129-131.	2.2	16
133	Major impact of body position on arterial stiffness indices derived from radial applanation tonometry in pregnant and nonpregnant women. Journal of Hypertension, 2012, 30, 1161-1168.	0.5	16
134	Treatment with 3â€aminobenzamide during ex vivo lung perfusion of damaged rat lungs reduces graft injury and dysfunction after transplantation. American Journal of Transplantation, 2020, 20, 967-976.	4.7	16
135	Role of Peroxynitrite in the Cardiovascular Dysfunction of Septic Shock. Current Vascular Pharmacology, 2013, 11, 196-207.	1.7	16
136	Pharmacological Therapy in the Heart as an Alternative to Cellular Therapy: A Place for the Brain Natriuretic Peptide?. Stem Cells International, 2016, 2016, 1-18.	2.5	15
137	Effects of cold or warm ischemia and ex-vivo lung perfusion on the release of damage associated molecular patterns and inflammatory cytokines in experimental lung transplantation. Journal of Heart and Lung Transplantation, 2021, 40, 905-916.	0.6	15
138	Study of Early Elevated Gas6 Plasma Level as a Predictor of Mortality in a Prospective Cohort of Patients with Sepsis. PLoS ONE, 2016, 11, e0163542.	2.5	15
139	Hyperoxia during extracorporeal cardiopulmonary resuscitation for refractory cardiac arrest is associated with severe circulatory failure and increased mortality. BMC Cardiovascular Disorders, 2021, 21, 542.	1.7	15
140	Haemodialysis acutely reduces the plasma levels of ADMA without reversing impaired NO-dependent vasodilation. Clinical Science, 2009, 117, 293-303.	4.3	14
141	Experimental ex vivo lung perfusion with sevoflurane: effects on damaged donor lung grafts. Interactive Cardiovascular and Thoracic Surgery, 2018, 26, 977-984.	1.1	14
142	Profound impact of uncomplicated pregnancy on diastolic, but not systolic pulse contour of aortic pressure. Journal of Hypertension, 2006, 24, 1641-1648.	0.5	13
143	Role of poly(adenosine diphosphate???ribose) polymerase 1 in septic peritonitis. Current Opinion in Critical Care, 2003, 9, 152-158.	3.2	12
144	Natriuretic Peptide Receptor B modulates the proliferation of the cardiac cells expressing the Stem Cell Antigen-1. Scientific Reports, 2017, 7, 41936.	3.3	12

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145	Functional late outgrowth endothelial progenitors isolated from peripheral blood of burned patients. Burns, 2013, 39, 694-704.	1.9	11
146	Incorporation and washout of n-3 PUFA after high dose intravenous and oral supplementation in healthy volunteers. Clinical Nutrition, 2015, 34, 400-408.	5.0	11
147	Chemo-manipulation of tumor blood vessels by a metal-based anticancer complex enhances antitumor therapy. Scientific Reports, 2018, 8, 10263.	3.3	11
148	Outcome after extracorporeal membrane oxygenation-bridged lung retransplants: a single-centre experience. Interactive Cardiovascular and Thoracic Surgery, 2019, 28, 922-928.	1.1	11
149	Effects of the Poly(ADP-Ribose) Polymerase Inhibitor Olaparib in Cerulein-Induced Pancreatitis. Shock, 2020, 53, 653-665.	2.1	11
150	Moderate hypercapnia exerts beneficial effects on splanchnic energy metabolism during endotoxemia. Intensive Care Medicine, 2009, 35, 1297-1304.	8.2	10
151	Bilateral symmetry of radial pulse in high-level tennis players: implications for the validity of central aortic pulse wave analysis. Journal of Hypertension, 2009, 27, 1617-1623.	0.5	10
152	Desensitization of Thermal Hyperemia in the Skin is Reproducible. Microcirculation, 2012, 19, 78-85.	1.8	10
153	Murine Myocardial Infarction Model using Permanent Ligation of Left Anterior Descending Coronary Artery. Journal of Visualized Experiments, 2019, , .	0.3	10
154	Brachial or wrist blood pressure in obese patients: which is the best?. Blood Pressure Monitoring, 2008, 13, 149-151.	0.8	9
155	Enhanced diastolic reflections on arterial pressure pulse during exercise recovery. Scandinavian Journal of Medicine and Science in Sports, 2011, 21, e325-33.	2.9	9
156	No Major Impact of Skin Aging on the Response of Skin Blood Flow to a Submaximal Local Thermal Stimulus. Microcirculation, 2014, 21, 730-737.	1.8	9
157	The prognostic value of pulmonary artery compliance in cardiogenic shock. Pulmonary Circulation, 2019, 9, 1-10.	1.7	8
158	Acute Liver Failure Complicating Exertional Heat Stroke. Current Sports Medicine Reports, 2015, 14, 49-50.	1.2	7
159	Short-term single-centre experience with the HeartMate 3 left ventricular assist device for advanced heart failure. European Journal of Cardio-thoracic Surgery, 2020, 58, 511-518.	1.4	7
160	Impact of body tilt on the central aortic pressure pulse. Physiological Reports, 2015, 3, e12360.	1.7	6
161	Intravenous zanamivir for influenza myocarditis and enteral malabsorption. Critical Care, 2018, 22, 332.	5.8	6
162	The role of endogenous and exogenous RasGAP-derived fragment N in protecting cardiomyocytes from peroxynitrite-induced apoptosis. Free Radical Biology and Medicine, 2012, 53, 926-935.	2.9	5

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163	Acute Pulmonary Hypertension Caused by Tumor Embolism: A Report of Two Cases. Pulmonary Circulation, 2015, 5, 577-579.	1.7	5
164	Inhibitors of Nitrogen Oxide Species Production in Animal Models of Inflammation and Future Directions for Therapy in Inflammatory Disorders. Current Medicinal Chemistry Anti-inflammatory & Anti-allergy Agents, 2004, 3, 239-259.	0.4	5
165	Neuroprognostication Under ECMO After Cardiac Arrest: Are Classical Tools Still Performant?. Neurocritical Care, 2022, 37, 293-301.	2.4	5
166	Pulse wave analysis of aortic pressure. Journal of Hypertension, 2013, 31, 94-102.	0.5	4
167	Role of Peroxynitrite in the Cardiovascular Dysfunction of Septic Shock. Current Vascular Pharmacology, 2013, 11, 196-207.	1.7	4
168	HeartMate 3 in Lowest INTERMACS Profile Cohort: The Swiss Experience. ASAIO Journal, 2017, 63, 752-758.	1.6	4
169	No Implication of Thromboxane Prostanoid Receptors in Reactive Hyperemia of Skin and Skeletal Muscle in Human Forearm. Journal of Cardiovascular Pharmacology, 2013, 61, 127-132.	1.9	3
170	Open-Lung Biopsy for ARDS Patients. Chest, 2004, 126, 1003.	0.8	2
171	Implementation and Calibration of a Deep Neural Network to Predict Parameters of Left Ventricular Systolic Function Based on Pulmonary and Systemic Arterial Pressure Signals. Frontiers in Physiology, 2020, 11, 1086.	2.8	2
172	The Hemodynamics of Septic Shock: A Historical Perspective. Current Vascular Pharmacology, 2013, 11, 133-138.	1.7	2
173	Deep Neural Network to Accurately Predict Left Ventricular Systolic Function Under Mechanical Assistance. Frontiers in Cardiovascular Medicine, 2021, 8, 752088.	2.4	2
174	Mitochondrially Targeted Antioxidants Ameliorate Inflammatory Response and Tissue Injury Associated with Hepatic Ischemia-Reperfusion in Mice. Free Radical Biology and Medicine, 2012, 53, S113.	2.9	1
175	PP125. High mobility group box 1 protein (HMGB1): A pathogenic role in preeclampsia?. Pregnancy Hypertension, 2012, 2, 306-307.	1.4	1
176	The Hemodynamics of Septic Shock: A Historical Perspective. Current Vascular Pharmacology, 2013, 11, 133-138.	1.7	1
177	Editorial (Hot Topics: Cardiovascular Dysfunction in Sepsis: From Basic Mechanisms to Clinical) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.7	1
178	[OP.1A.01] REPRODUCIBILITY AND ACCURACY OF BLOOD PRESSURE MEASUREMENTS WITH THREE OSCILLOMETRIC DEVICES IN PATIENTS WITH ATRIAL FIBRILLATION. Journal of Hypertension, 2016, 34, e1.	0.5	1
179	Extracorporeal total artificial heart as bailout surgery. Journal of Cardiac Surgery, 2017, 32, 222-228.	0.7	1
180	Simple equations to predict the effects of venoâ€venous ECMO in decompensated Eisenmenger syndrome. ESC Heart Failure, 2021, 8, 1637-1642.	3.1	1

#	Article	IF	Citations
181	Cannabinoid 1 Receptor Promotes Cardiac Dysfunction, Oxidative Stress, Inflammation, and Fibrosis in Diabetic Cardiomyopathy. FASEB Journal, 2013, 27, 1128.10.	0.5	1
182	Mitochondrial reactive oxygen species generation triggers inflammatory response and tissue injury associated with hepatic ischemiaâ€“reperfusion: Therapeutic potential of mitochondrially targeted antioxidants. FASEB Journal, 2013, 27, 650.7.	0.5	1
183	Experimental Models of Ischemic Lung Damage for the Study of Therapeutic Reconditioning During Ex Vivo Lung Perfusion. Transplantation Direct, 2022, 8, e1337.	1.6	1
184	Poly(adenosine diphosphate-ribose) polymerase: A novel actor in mesenteric complications of cardiopulmonary bypass*. Critical Care Medicine, 2004, 32, 2543-2544.	0.9	0
185	ROLE OF POLY(ADP-RIBOSE) POLYMERASE-1 IN THE PATHOPHYSIOLOGY OF ARDS. Shock, 2004, 21, 149.	2.1	0
186	Rapid Resolution of Massive Lung Abscesses Complicating Tricuspid-Valve Endocarditis. Circulation, 2006, 114, e523-4.	1.6	0
187	Bacterial flagellin triggers myocardial innate immune responses and acute contractile failure. Critical Care, 2008, 12, P28.	5.8	0
188	A large-bolus injection, but not a continuous infusion of sodium selenite improves outcome in peritonitis. Shock, 2009, 32, 342.	2.1	0
189	Whole-Body Vibration Training Elevates Creatine-Kinase Levels in Sedentary Subjects. Medicine and Science in Sports and Exercise, 2010, 42, 827.	0.4	0
190	ABCDEs. , 2012, , 5-5.		0
191	Abdominal Compartment Syndrome. , 2012, , 16-25.		0
192	Acquired Aneurysm. , 2012, , 48-48.		0
193	P90Necrotic cardiomyocytes release soluble pro-inflammatory molecule(s) inducing il1r/myd88-dependent inflammatory responses in cardiac fibroblasts. Cardiovascular Research, 2014, 103, S15.2-S15.	3.8	0
194	Pharmacological Inhibition of Peroxynitrite and Poly (ADP-ribose) Polymerase during Ex-vivo Lung Perfusion (EVLP) Markedly Reduces Ischemia-reperfusion Injury in the Explanted Donor Lung. Journal of Heart and Lung Transplantation, 2014, 33, S26-S27.	0.6	0
195	0232: A new role of the brain natriuretic peptide in the heart: Modulation of cardiac precursor cell proliferation and differentiation. Archives of Cardiovascular Diseases Supplements, 2014, 6, 47.	0.0	0
196	P619Role of Toll-like receptor 5 in the development of post-myocardial infarction inflammation. Cardiovascular Research, 2014, 103, S112.2-S112.	3.8	0
197	Experimental Ex Vivo Lung Perfusion with Sevoflurane: Effect on donors after circulatory death (DCD) lung grafts in a rodent model.. Journal of Cardiothoracic and Vascular Anesthesia, 2015, 29, S68.	1.3	0
198	0129 : Adult human mononuclear clones isolated from peripheral blood can differentiate into immature cardiomyocytes. Archives of Cardiovascular Diseases Supplements, 2015, 7, 199.	0.0	0

#	Article	IF	Citations
199	0130 : Is the stem cell antigen 1 involved in the brain natriuretic peptide effect on cardiac precursor cells?. Archives of Cardiovascular Diseases Supplements, 2015, 7, 149.	0.0	0
200	HÃ©morragie intra-alvÃ©olaire induite par le propylthiouracil. La Presse MÃ©dicale Formation, 2020, 1, 73-76.	0.1	0
201	IgA Vasculitis With Henoch-SchÃ¶nlein Purpura as an Immune Complication Associated With Left Ventricle Assist Device Insertion. ASAIO Journal, 2021, Publish Ahead of Print, .	1.6	0
202	Local and systemic inflammation: role of poly (ADP-ribose) synthetase activation by reactive nitrogen species. , 2001, , 77-98.		0
203	THERAPEUTIC HYPOTHERMIA AFTER CARDIAC ARREST: WHICH PATIENT MOSTLY BENEFITS FROM THE TREATMENT?. Critical Care Medicine, 2005, 33, A102.	0.9	0
204	Reduced Contribution of Wave Reflection to Peak Systolic Aortic Pressure in the Course of Recovery from Acute Exercise. Medicine and Science in Sports and Exercise, 2006, 38, S363.	0.4	0
205	Xanthine oxidase inhibitor allopurinol attenuates the development of diabetic cardiomyopathy. FASEB Journal, 2009, 23, 990.24.	0.5	0
206	Cannabidiol protects against hepatic ischemia/reperfusion injury by attenuating inflammatory signaling and response, oxidative/nitrative stress, and cell death. FASEB Journal, 2013, 27, 890.17.	0.5	0