John S Clemmer

List of Publications by Year
in descending order

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Version: 2024-02-01

54	363	840119 11	839053 18
papers	citations	h-index	g-index

55	55	55	574
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Antihypertensive effects of immunosuppressive therapy in autoimmune disease. Journal of Human Hypertension, 2022, , .	1.0	5
2	Simulating Baroreflex Activation Therapy for the Treatment of Heart Failure with Preserved Ejection Fraction. , 2022, , .		0
3	Modeling the Progression of Hypertensive Kidney Disease in African Americans. FASEB Journal, 2022, 36, .	0.2	0
4	Endothelin antagonism reduces hemoglobin A1c in patients with pulmonary hypertension. Canadian Journal of Physiology and Pharmacology, 2022, 100, 828-833.	0.7	2
5	Questioning the renoprotective role of L-type calcium channel blockers in chronic kidney disease using physiological modeling. American Journal of Physiology - Renal Physiology, 2021, 321, F548-F557.	1.3	6
6	In silico trial of baroreflex activation therapy for the treatment of obesity-induced hypertension. PLoS ONE, 2021, 16, e0259917.	1.1	4
7	Physiological Modeling and Simulationâ€"Validation, Credibility, and Application. Annual Review of Biomedical Engineering, 2020, 22, 185-206.	5.7	6
8	Racial and Sex Differences in the Response to First-Line Antihypertensive Therapy. Frontiers in Cardiovascular Medicine, 2020, 7, 608037.	1.1	6
9	Preeminent role of the cardiorenal axis in the antihypertensive response to an arteriovenous fistula: an in silico analysis. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 317, H1002-H1012.	1.5	3
10	Sex-specific responses to mineralocorticoid receptor antagonism in hypertensive African American males and females. Biology of Sex Differences, 2019, 10, 24.	1.8	11
11	Early treatment with GLP-1 after severe trauma preserves renal function in obese Zucker rats. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2019, 316, R621-R627.	0.9	2
12	Simulation of integrative physiology for medical education. Morphologie, 2019, 103, 187-193.	0.5	11
13	Abstract P158: Preeminent Role of the Cardiorenal Axis in the Antihypertensive Response to an Arteriovenous Fistula: An In Silico Analysis. Hypertension, 2019, 74, .	1.3	0
14	Simulating a virtual population's sensitivity to salt and uninephrectomy. Interface Focus, 2018, 8, 20160134.	1.5	7
15	Role of the heart in blood pressure lowering during chronic baroreflex activation: insight from an in silico analysis. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 315, H1368-H1382.	1.5	8
16	Using a Physiological Model to Understand Water and Electrolyte Disturbances Following Transsphenoidal Pituitary Surgery. FASEB Journal, 2018, 32, 880.2.	0.2	0
17	Computational Modeling of the Impact of Inflammation on Renal Hemodynamic Function. FASEB Journal, 2018, 32, 870.9.	0.2	0
18	Reducing Disparities in the Treatment of Hypertension in African Americans Using Computational Modeling. FASEB Journal, 2018, 32, 844.5.	0.2	0

#	Article	IF	Citations
19	Mechanisms of blood pressure salt sensitivity: new insights from mathematical modeling. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2017, 312, R451-R466.	0.9	35
20	Physiologic Mechanisms of Water and Electrolyte Disturbances After Transsphenoidal Pituitary Surgery. World Neurosurgery, 2017, 107, 429-436.	0.7	25
21	Physiological Sensitivity to Salt and Uninephrectomy. FASEB Journal, 2017, 31, .	0.2	0
22	Abstract P180: Blood Pressure Lowering During Chronic Baroreflex Activation: Donâ€™t Forget the Heart. Hypertension, 2017, 70, .	1.3	0
23	OBESITY AND CRITICAL ILLNESS. Shock, 2016, 45, 349-358.	1.0	31
24	Validation of an integrative mathematical model of dehydration and rehydration in virtual humans. Physiological Reports, 2016, 4, e13015.	0.7	8
25	Hyperglycemiaâ€Mediated Oxidative Stress Increases Pulmonary Vascular Permeability. Microcirculation, 2016, 23, 221-229.	1.0	21
26	EXPERIMENTAL OBSERVATION OF HIGH STRAIN RATE RESPONSES OF PORCINE BRAIN, LIVER, AND TENDON. Journal of Mechanics in Medicine and Biology, 2016, 16, 1650032.	0.3	6
27	Predicting salt and diuretic sensitivity in a virtual population using topological data analysis. FASEB Journal, 2016, 30, 1216.14.	0.2	0
28	Glucose Homeostasis and Cardiovascular Alterations in Diabetes. , 2015, 5, 1815-1839.		17
29	Obesity, Malnutrition, and the Response to Critical Illness. Critical Care Medicine, 2015, 43, e321.	0.4	4
30	Oxidative stress contributes to orthopedic trauma-induced acute kidney injury in obese rats. American Journal of Physiology - Renal Physiology, 2015, 308, F157-F163.	1.3	22
31	Effects of Acute and Chronic Hyperglycemia on Lung Capillary Permeability. FASEB Journal, 2015, 29, 863.22.	0.2	1
32	Attenuation of Postâ€Trauma Hyperglycemia Prevents Acute Kidney Injury in Obese Rats. FASEB Journal, 2015, 29, 800.6.	0.2	0
33	New Investigator Editorial: professional skills training in effective science teaching. American Journal of Physiology - Heart and Circulatory Physiology, 2014, 307, H1267-H1268.	1.5	0
34	Î²2-Adrenoreceptor blockade improves early posttrauma hyperglycemia and pulmonary injury in obese rats. American Journal of Physiology - Heart and Circulatory Physiology, 2014, 307, H621-H627.	1.5	14
35	Oxidative Stress increases Pulmonary Vascular Permeability in Diabetic Rats through Activation of Transient Receptor Potential Melastatin 2 Channels. Microcirculation, 2014, 21, 754-760.	1.0	13
36	Inhibition of NADPH oxidase prevents acute lung injury in obese rats following severe trauma. American Journal of Physiology - Heart and Circulatory Physiology, 2014, 306, H684-H689.	1.5	20

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37	Î²2-adrenergic regulation of stress hyperglycemia following hemorrhage in the obese Zucker rat. Physiological Reports, 2014, 2, e12215.	0.7	3
38	Pulmonary permeability after hemorrhage and resuscitation in the obese Zucker rat (1157.2). FASEB Journal, 2014, 28, 1157.2.	0.2	0
39	Reactive oxygen species and acute kidney injury after trauma in obese rats (859.2). FASEB Journal, 2014, 28, 859.2.	0.2	0
40	Beta2â€adrenoreceptor blockade reduces early postâ€trauma hyperglycemia and pulmonary injury in obese rats (859.1). FASEB Journal, 2014, 28, 859.1.	0.2	0
41	Oxidative stress increases pulmonary capillary permeability in lean Zucker rats with chronic hyperglycemia (1153.6). FASEB Journal, 2014, 28, 1153.6.	0.2	0
42	Impaired blood pressure compensation following hemorrhage in conscious obese Zucker rats. Life Sciences, 2013, 93, 214-219.	2.0	13
43	A novel experimental model of orthopedic trauma with acute kidney injury in obese Zucker rats. Physiological Reports, 2013, 1, e00097.	0.7	10
44	Impaired Vascular K_{ATP} Function Attenuates Exercise Capacity in Obese Zucker Rats. Microcirculation, 2013, 20, 662-669.	1.0	13
45	TNFâ€aâ€“mediated hyperglycemia in Obese Zucker rats following orthopedic trauma. FASEB Journal, 2013, 27, 1154.14.	0.2	0
46	Acute kidney injury following orthopedic trauma in obese Zucker rats. FASEB Journal, 2013, 27, 1114.6.	0.2	0
47	Hemorrhageâ€induced Hyperglycemia Improved with Acute TNFÎ± blockade in the Obese Zucker Rat. FASEB Journal, 2013, 27, 1193.4.	0.2	0
48	Hemorrhageâ€induced increase in total peripheral resistance is blunted in conscious obese Zucker rats. FASEB Journal, 2013, 27, 1193.5.	0.2	0
49	Impaired Autonomic Regulation during Exercise in Obese Zucker Rats. FASEB Journal, 2013, 27, 943.22.	0.2	0
50	Autonomic Impairment During Severe Hemorrhage in Obese Zucker Rats. FASEB Journal, 2012, 26, 853.27.	0.2	0
51	Impaired Blood Pressure Compensation after Hemorrhage in Obesity. FASEB Journal, 2012, 26, 684.23.	0.2	0
52	Apocynin improves exercise performance and functional vasodilation by improving KATP function in obese Zucker rats. FASEB Journal, 2012, 26, .	0.2	0
53	A mechanistic study for strain rate sensitivity of rabbit patellar tendon. Journal of Biomechanics, 2010, 43, 2785-2791.	0.9	35
54	Strain Rate Effects on Structure-Property Relationship in the Rabbit Patellar Tendon. , 2009, , .		0