John S Clemmer

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8258488/publications.pdf

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	A mechanistic study for strain rate sensitivity of rabbit patellar tendon. Journal of Biomechanics, 2010, 43, 2785-2791.	0.9	35
2	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
3	OBESITY AND CRITICAL ILLNESS. Shock, 2016, 45, 349-358.	1.0	31
4	Physiologic Mechanisms of Water and Electrolyte Disturbances After Transsphenoidal Pituitary Surgery. World Neurosurgery, 2017, 107, 429-436.	0.7	25
5	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
6	Hyperglycemiaâ€Mediated Oxidative Stress Increases Pulmonary Vascular Permeability. Microcirculation, 2016, 23, 221-229.	1.0	21
7	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
8	Glucose Homeostasis and Cardiovascular Alterations in Diabetes. , 2015, 5, 1815-1839.		17
9	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
10	Impaired blood pressure compensation following hemorrhage in conscious obese Zucker rats. Life Sciences, 2013, 93, 214-219.	2.0	13
11	Impaired Vascular K_{ATP} Function Attenuates Exercise Capacity in Obese Zucker Rats. Microcirculation, 2013, 20, 662-669.	1.0	13
12	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
13	Sex-specific responses to mineralocorticoid receptor antagonism in hypertensive African American males and females. Biology of Sex Differences, 2019, 10, 24.	1.8	11
14	Simulation of integrative physiology for medical education. Morphologie, 2019, 103, 187-193.	0.5	11
15	A novel experimental model of orthopedic trauma with acute kidney injury in obese Zucker rats. Physiological Reports, 2013, 1, e00097.	0.7	10
16	Validation of an integrative mathematical model of dehydration and rehydration in virtual humans. Physiological Reports, 2016, 4, e13015.	0.7	8
17	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
18	Simulating a virtual population's sensitivity to salt and uninephrectomy. Interface Focus, 2018, 8, 20160134.	1.5	7

#	Article	IF	Citations
19	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
20	Physiological Modeling and Simulationâ€"Validation, Credibility, and Application. Annual Review of Biomedical Engineering, 2020, 22, 185-206.	5.7	6
21	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
22	Racial and Sex Differences in the Response to First-Line Antihypertensive Therapy. Frontiers in Cardiovascular Medicine, 2020, 7, 608037.	1.1	6
23	Antihypertensive effects of immunosuppressive therapy in autoimmune disease. Journal of Human Hypertension, 2022, , .	1.0	5
24	Obesity, Malnutrition, and the Response to Critical Illness. Critical Care Medicine, 2015, 43, e321.	0.4	4
25	In silico trial of baroreflex activation therapy for the treatment of obesity-induced hypertension. PLoS ONE, 2021, 16, e0259917.	1.1	4
26	Î²2-adrenergic regulation of stress hyperglycemia following hemorrhage in the obese Zucker rat. Physiological Reports, 2014, 2, e12215.	0.7	3
27	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
28	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
29	Endothelin antagonism reduces hemoglobin A1c in patients with pulmonary hypertension. Canadian Journal of Physiology and Pharmacology, 2022, 100, 828-833.	0.7	2
30	Effects of Acute and Chronic Hyperglycemia on Lung Capillary Permeability. FASEB Journal, 2015, 29, 863.22.	0.2	1
31	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
32	Strain Rate Effects on Structure-Property Relationship in the Rabbit Patellar Tendon. , 2009, , .		0
33	Autonomic Impairment During Severe Hemorrhage in Obese Zucker Rats. FASEB Journal, 2012, 26, 853.27.	0.2	0
34	Impaired Blood Pressure Compensation after Hemorrhage in Obesity. FASEB Journal, 2012, 26, 684.23.	0.2	0
35	Apocynin improves exercise performance and functional vasodilation by improving KATP function in obese Zucker rats. FASEB Journal, 2012, 26, .	0.2	0
36	TNFâ€aâ€“mediated hyperglycemia in Obese Zucker rats following orthopedic trauma. FASEB Journal, 2013, 27, 1154.14.	0.2	0

#	Article	IF	Citations
37	Acute kidney injury following orthopedic trauma in obese Zucker rats. FASEB Journal, 2013, 27, 1114.6.	0.2	0
38	Hemorrhageâ€induced Hyperglycemia Improved with Acute TNFÎ± blockade in the Obese Zucker Rat. FASEB Journal, 2013, 27, 1193.4.	0.2	0
39	Hemorrhageâ€induced increase in total peripheral resistance is blunted in conscious obese Zucker rats. FASEB Journal, 2013, 27, 1193.5.	0.2	0
40	Impaired Autonomic Regulation during Exercise in Obese Zucker Rats. FASEB Journal, 2013, 27, 943.22.	0.2	0
41	Pulmonary permeability after hemorrhage and resuscitation in the obese Zucker rat (1157.2). FASEB Journal, 2014, 28, 1157.2.	0.2	0
42	Reactive oxygen species and acute kidney injury after trauma in obese rats (859.2). FASEB Journal, 2014, 28, 859.2.	0.2	0
43	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
44	Oxidative stress increases pulmonary capillary permeability in lean Zucker rats with chronic hyperglycemia (1153.6). FASEB Journal, 2014, 28, 1153.6.	0.2	0
45	Attenuation of Postâ€Trauma Hyperglycemia Prevents Acute Kidney Injury in Obese Rats. FASEB Journal, 2015, 29, 800.6.	0.2	0
46	Predicting salt and diuretic sensitivity in a virtual population using topological data analysis. FASEB Journal, 2016, 30, 1216.14.	0.2	0
47	Physiological Sensitivity to Salt and Uninephrectomy. FASEB Journal, 2017, 31, .	0.2	0
48	Using a Physiological Model to Understand Water and Electrolyte Disturbances Following Transsphenoidal Pituitary Surgery. FASEB Journal, 2018, 32, 880.2.	0.2	0
49	Computational Modeling of the Impact of Inflammation on Renal Hemodynamic Function. FASEB Journal, 2018, 32, 870.9.	0.2	0
50	Reducing Disparities in the Treatment of Hypertension in African Americans Using Computational Modeling. FASEB Journal, 2018, 32, 844.5.	0.2	0
51	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
52	Simulating Baroreflex Activation Therapy for the Treatment of Heart Failure with Preserved Ejection Fraction. , 2022, , .		0
53	Modeling the Progression of Hypertensive Kidney Disease in African Americans. FASEB Journal, 2022, 36, .	0.2	0
54	Abstract P180: Blood Pressure Lowering During Chronic Baroreflex Activation: Donâ€™t Forget the Heart. Hypertension, 2017, 70, .	1.3	0