Joseph Francis

List of Publications by Year in descending order

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37 papers	1,282 citations	516710 16 h-index	377865 34 g-index
37 all docs	37 docs citations	37 times ranked	2052 citing authors

#	Article	IF	Citations
1	The landscape of accessible chromatin in quiescent cardiac fibroblasts and cardiac fibroblasts activated after myocardial infarction. Epigenetics, 2022, 17, 1020-1039.	2.7	12
2	Pharmahuasca and DMT Rescue ROS Production and Differentially Expressed Genes Observed after Predator and Psychosocial Stress: Relevance to Human PTSD. ACS Chemical Neuroscience, 2022, 13, 257-274.	3.5	11
3	An Avocado Extract Enriched in Mannoheptulose Prevents the Negative Effects of a High-Fat Diet in Mice. Nutrients, 2022, 14, 155.	4.1	4
4	Label-free lipidome study of paraventricular thalamic nucleus (PVT) of rat brain with post-traumatic stress injury by Raman imaging. Analyst, The, 2021, 146, 170-183.	3.5	7
5	Myocardial Infarction and the Fine Balance of Iron. JACC Basic To Translational Science, 2021, 6, 581-583.	4.1	2
6	Characterization of fibrillar collagen isoforms in infarcted mouse hearts using second harmonic generation imaging. Biomedical Optics Express, 2021, 12, 604.	2.9	2
7	Heart Dysfunction Following Long-Term Murine Cytomegalovirus Infection: Fibrosis, Hypertrophy, and Tachycardia. Viral Immunology, 2020, 33, 237-245.	1.3	9
8	Reperfused hemorrhagic myocardial infarction in rats. PLoS ONE, 2020, 15, e0243207.	2.5	2
9	Current and future functional imaging techniques for post-traumatic stress disorder. RSC Advances, 2019, 9, 24568-24594.	3.6	16
10	Blockade of Endogenous Angiotensin-(1â€“7) in Hypothalamic Paraventricular Nucleus Attenuates High Salt-Induced Sympathoexcitation and Hypertension. Neuroscience Bulletin, 2019, 35, 47-56.	2.9	16
11	Influence of Myocardial Hemorrhage on Staging of Reperfused Myocardial Infarctions With T2 Cardiac MagneticÂResonance Imaging. JACC: Cardiovascular Imaging, 2019, 12, 693-703.	5.3	20
12	A Putative Mechanism of Age-Related Synaptic Dysfunction Based on the Impact of IGF-1 Receptor Signaling on Synaptic CaMKIIÎ± Phosphorylation. Frontiers in Neuroanatomy, 2018, 12, 35.	1.7	11
13	High Mobility Group Box 1 Neutralization in the Brain Prevents Inflammation, Sympathoexcitation and Hypertension. FASEB Journal, 2018, 32, 599.2.	0.5	0
14	Stress-altered synaptic plasticity and DAMP signaling in the hippocampus-PFC axis; elucidating the significance of IGF-1/IGF-1R/CaMKIIÎ± expression in neural changes associated with a prolonged exposure therapy. Neuroscience, 2017, 353, 147-165.	2.3	15
15	Blueberry supplementation attenuates oxidative stress within monocytes and modulates immune cell levels in adults with metabolic syndrome: a randomized, double-blind, placebo-controlled trial. Food and Function, 2017, 8, 4118-4128.	4.6	38
16	The Psychological Effects of Rapid Aeromedical Evacuation in a Predator Exposure Animal Model of Post-Traumatic Stress Disorder. Military Medicine, 2016, 181, e1561-e1568.	0.8	2
17	Toll-Like Receptor 4 Promotes Autonomic Dysfunction, Inflammation and Microglia Activation in the Hypothalamic Paraventricular Nucleus: Role of Endoplasmic Reticulum Stress. PLoS ONE, 2015, 10, e0122850.	2.5	57
18	Tumor Necrosis Factor - Alpha Is Essential for Angiotensin II-Induced Ventricular Remodeling: Role for Oxidative Stress. PLoS ONE, 2015, 10, e0138372.	2.5	73

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19	Angiotensin II-induced hypertensive renal inflammation is mediated through HMGB1-TLR4 signaling in rat tubulo-epithelial cells. Experimental Cell Research, 2015, 335, 238-247.	2.6	60
20	Toll-like receptor 4 inhibition within the paraventricular nucleus attenuates blood pressure and inflammatory response in a genetic model of hypertension. Journal of Neuroinflammation, 2015, 12, 31.	7.2	106
21	Aerobic training normalizes autonomic dysfunction, HMGB1 content, microglia activation and inflammation in hypothalamic paraventricular nucleus of SHR. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 309, H1115-H1122.	3.2	63
22	The Neuroâ€protective Efficacy of Blueberry in an Animal Model of Postâ€Traumatic Stress Disorder (PTSD). FASEB Journal, 2015, 29, 835.1.	0.5	0
23	Predator Exposure/Psychosocial Stress Animal Model of Post-Traumatic Stress Disorder Modulates Neurotransmitters in the Rat Hippocampus and Prefrontal Cortex. PLoS ONE, 2014, 9, e89104.	2.5	89
24	Differential effects of sertraline in a predator exposure animal model of post-traumatic stress disorder. Frontiers in Behavioral Neuroscience, 2014, 8, 256.	2.0	41
25	Role of TLR4 in lipopolysaccharide-induced acute kidney injury: Protection by blueberry. Free Radical Biology and Medicine, 2014, 71, 16-25.	2.9	58
26	Central blockade of TLR4 improves cardiac function and attenuates myocardial inflammation in angiotensin II-induced hypertension. Cardiovascular Research, 2014, 103, 17-27.	3.8	136
27	Valproic acid effects in the hippocampus and prefrontal cortex in an animal model of post-traumatic stress disorder. Behavioural Brain Research, 2014, 268, 72-80.	2.2	68
28	Emerging Concepts in Hypertension. Antioxidants and Redox Signaling, 2014, 20, 69-73.	5.4	10
29	A Blueberry-Enriched Diet Improves Renal Function and Reduces Oxidative Stress in Metabolic Syndrome Animals: Potential Mechanism of TLR4-MAPK Signaling Pathway. PLoS ONE, 2014, 9, e111976.	2.5	43
30	Obesity increases cerebrocortical reactive oxygen species and impairs brainfunction. Free Radical Biology and Medicine, 2013, 56, 226-233.	2.9	78
31	Inflammation and Oxidative Stress Are Elevated in the Brain, Blood, and Adrenal Glands during the Progression of Post-Traumatic Stress Disorder in a Predator Exposure Animal Model. PLoS ONE, 2013, 8, e76146.	2.5	152
32	Mice lacking the gene for Toll Like receptorâ€4 (TLR4) had an attenuated blood pressure response to Angiotensin II infusion. FASEB Journal, 2013, 27, 696.4.	0.5	2
33	Inflammation, oxidative stress, and neuroprotective factors in the pathophysiology of PTSD in an animal model. FASEB Journal, 2013, 27, 691.5.	0.5	1
34	Central blockade of TLR4 improves cardiac function and attenuates proâ€inflammatory cytokines and oxidative stress in hypertensive rats. FASEB Journal, 2013, 27, 905.5.	0.5	0
35	A Blueberry-Enriched Diet Attenuates Nephropathy in a Rat Model of Hypertension via Reduction in Oxidative Stress. PLoS ONE, 2011, 6, e24028.	2.5	75
36	INHIBITION OF NITRIC OXIDE SYNTHASE ENHANCES THE PRODUCTION OF TUMOR NECROSIS FACTOR â€ALPHA IN MACROPHAGE CELLS. FASEB Journal, 2011, 25, 1030.7.	0.5	1

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37	Cytokines modulate oxidative stress in ischemia reperfusionâ€induced heart injury in rats: Role of gp91phox and its homologues, Nox1 and Nox4. FASEB Journal, 2006, 20, .	0.5	2