

# Joseph Francis

## List of Publications by Year in descending order

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Version: 2024-02-01

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	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. <i>PLoS ONE</i> , 2013, 8, e76146.	2.5	152
2	Central blockade of TLR4 improves cardiac function and attenuates myocardial inflammation in angiotensin II-induced hypertension. <i>Cardiovascular Research</i> , 2014, 103, 17-27.	3.8	136
3	Toll-like receptor 4 inhibition within the paraventricular nucleus attenuates blood pressure and inflammatory response in a genetic model of hypertension. <i>Journal of Neuroinflammation</i> , 2015, 12, 31.	7.2	106
4	Predator Exposure/Psychosocial Stress Animal Model of Post-Traumatic Stress Disorder Modulates Neurotransmitters in the Rat Hippocampus and Prefrontal Cortex. <i>PLoS ONE</i> , 2014, 9, e89104.	2.5	89
5	Obesity increases cerebrocortical reactive oxygen species and impairs brainfunction. <i>Free Radical Biology and Medicine</i> , 2013, 56, 226-233.	2.9	78
6	A Blueberry-Enriched Diet Attenuates Nephropathy in a Rat Model of Hypertension via Reduction in Oxidative Stress. <i>PLoS ONE</i> , 2011, 6, e24028.	2.5	75
7	Tumor Necrosis Factor - Alpha Is Essential for Angiotensin II-Induced Ventricular Remodeling: Role for Oxidative Stress. <i>PLoS ONE</i> , 2015, 10, e0138372.	2.5	73
8	Valproic acid effects in the hippocampus and prefrontal cortex in an animal model of post-traumatic stress disorder. <i>Behavioural Brain Research</i> , 2014, 268, 72-80.	2.2	68
9	Aerobic training normalizes autonomic dysfunction, HMGB1 content, microglia activation and inflammation in hypothalamic paraventricular nucleus of SHR. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015, 309, H1115-H1122.	3.2	63
10	Angiotensin II-induced hypertensive renal inflammation is mediated through HMGB1-TLR4 signaling in rat tubulo-epithelial cells. <i>Experimental Cell Research</i> , 2015, 335, 238-247.	2.6	60
11	Role of TLR4 in lipopolysaccharide-induced acute kidney injury: Protection by blueberry. <i>Free Radical Biology and Medicine</i> , 2014, 71, 16-25.	2.9	58
12	Toll-Like Receptor 4 Promotes Autonomic Dysfunction, Inflammation and Microglia Activation in the Hypothalamic Paraventricular Nucleus: Role of Endoplasmic Reticulum Stress. <i>PLoS ONE</i> , 2015, 10, e0122850.	2.5	57
13	A Blueberry-Enriched Diet Improves Renal Function and Reduces Oxidative Stress in Metabolic Syndrome Animals: Potential Mechanism of TLR4-MAPK Signaling Pathway. <i>PLoS ONE</i> , 2014, 9, e111976.	2.5	43
14	Differential effects of sertraline in a predator exposure animal model of post-traumatic stress disorder. <i>Frontiers in Behavioral Neuroscience</i> , 2014, 8, 256.	2.0	41
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. <i>Food and Function</i> , 2017, 8, 4118-4128.	4.6	38
16	Influence of Myocardial Hemorrhage on Staging of Reperfused Myocardial Infarctions With T2 Cardiac Magnetic Resonance Imaging. <i>JACC: Cardiovascular Imaging</i> , 2019, 12, 693-703.	5.3	20
17	Current and future functional imaging techniques for post-traumatic stress disorder. <i>RSC Advances</i> , 2019, 9, 24568-24594.	3.6	16
18	Blockade of Endogenous Angiotensin-(1â€“7) in Hypothalamic Paraventricular Nucleus Attenuates High Salt-Induced Sympathoexcitation and Hypertension. <i>Neuroscience Bulletin</i> , 2019, 35, 47-56.	2.9	16

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19	Stress-altered synaptic plasticity and DAMP signaling in the hippocampus-PFC axis; elucidating the significance of IGF-1/IGF-1R/CaMKII $\pm$ expression in neural changes associated with a prolonged exposure therapy. <i>Neuroscience</i> , 2017, 353, 147-165.	2.3	15
20	The landscape of accessible chromatin in quiescent cardiac fibroblasts and cardiac fibroblasts activated after myocardial infarction. <i>Epigenetics</i> , 2022, 17, 1020-1039.	2.7	12
21	A Putative Mechanism of Age-Related Synaptic Dysfunction Based on the Impact of IGF-1 Receptor Signaling on Synaptic CaMKII $\pm$ Phosphorylation. <i>Frontiers in Neuroanatomy</i> , 2018, 12, 35.	1.7	11
22	Pharmahuasca and DMT Rescue ROS Production and Differentially Expressed Genes Observed after Predator and Psychosocial Stress: Relevance to Human PTSD. <i>ACS Chemical Neuroscience</i> , 2022, 13, 257-274.	3.5	11
23	Emerging Concepts in Hypertension. <i>Antioxidants and Redox Signaling</i> , 2014, 20, 69-73.	5.4	10
24	Heart Dysfunction Following Long-Term Murine Cytomegalovirus Infection: Fibrosis, Hypertrophy, and Tachycardia. <i>Viral Immunology</i> , 2020, 33, 237-245.	1.3	9
25	Label-free lipidome study of paraventricular thalamic nucleus (PVT) of rat brain with post-traumatic stress injury by Raman imaging. <i>Analyst, The</i> , 2021, 146, 170-183.	3.5	7
26	An Avocado Extract Enriched in Mannoheptulose Prevents the Negative Effects of a High-Fat Diet in Mice. <i>Nutrients</i> , 2022, 14, 155.	4.1	4
27	The Psychological Effects of Rapid Aeromedical Evacuation in a Predator Exposure Animal Model of Post-Traumatic Stress Disorder. <i>Military Medicine</i> , 2016, 181, e1561-e1568.	0.8	2
28	Myocardial Infarction and the Fine Balance of Iron. <i>JACC Basic To Translational Science</i> , 2021, 6, 581-583.	4.1	2
29	Cytokines modulate oxidative stress in ischemia reperfusion-induced heart injury in rats: Role of gp91phox and its homologues, Nox1 and Nox4. <i>FASEB Journal</i> , 2006, 20, .	0.5	2
30	Mice lacking the gene for Toll Like receptor 4 (TLR4) had an attenuated blood pressure response to Angiotensin II infusion. <i>FASEB Journal</i> , 2013, 27, 696.4.	0.5	2
31	Characterization of fibrillar collagen isoforms in infarcted mouse hearts using second harmonic generation imaging. <i>Biomedical Optics Express</i> , 2021, 12, 604.	2.9	2
32	Reperfused hemorrhagic myocardial infarction in rats. <i>PLoS ONE</i> , 2020, 15, e0243207.	2.5	2
33	INHIBITION OF NITRIC OXIDE SYNTHASE ENHANCES THE PRODUCTION OF TUMOR NECROSIS FACTOR $\alpha$ IN MACROPHAGE CELLS. <i>FASEB Journal</i> , 2011, 25, 1030.7.	0.5	1
34	Inflammation, oxidative stress, and neuroprotective factors in the pathophysiology of PTSD in an animal model. <i>FASEB Journal</i> , 2013, 27, 691.5.	0.5	1
35	Central blockade of TLR4 improves cardiac function and attenuates pro-inflammatory cytokines and oxidative stress in hypertensive rats. <i>FASEB Journal</i> , 2013, 27, 905.5.	0.5	0
36	The Neuroprotective Efficacy of Blueberry in an Animal Model of Post-Traumatic Stress Disorder (PTSD). <i>FASEB Journal</i> , 2015, 29, 835.1.	0.5	0

#	ARTICLE	IF	CITATIONS
37	High Mobility Group Box 1 Neutralization in the Brain Prevents Inflammation, Sympathoexcitation and Hypertension. FASEB Journal, 2018, 32, 599.2.	0.5	0