Karthik Mallilankaraman

List of Publications by Year
in descending order

44	4,757	201658	223791
papers	citations	27 h-index	46 g-index

50	50	50	7338
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Integrative epigenomic and transcriptomic analyses reveal metabolic switching by intermittent fasting in brain. GeroScience, 2022, 44, 2171-2194.	4.6	10
2	Epstein-Barr virus-induced ectopic CD137 expression helps nasopharyngeal carcinoma to escape immune surveillance and enables targeting by chimeric antigen receptors. Cancer Immunology, Immunotherapy, 2022, 71, 2583-2596.	4.2	4
3	Guidelines for the use and interpretation of assays for monitoring autophagy (4th) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 662 Td	9.1	1,430
4	Epigenetic regulation of microglial phosphatidylinositol 3â€kinase pathway involved in longâ€term potentiation and synaptic plasticity in rats. Glia, 2020, 68, 656-669.	4.9	46
5	Dynamic contrastâ€enhanced MRI of brown and beige adipose tissues. Magnetic Resonance in Medicine, 2020, 84, 384-395.	3.0	13
6	Oxygen Glucose Deprivation Induced Prosurvival Autophagy Is Insufficient to Rescue Endothelial Function. Frontiers in Physiology, 2020, 11, 533683.	2.8	10
7	miR-142-3p Regulates BDNF Expression in Activated Rodent Microglia Through Its Target CAMK2A. Frontiers in Cellular Neuroscience, 2020, 14, 132.	3.7	18
8	Mitochondrial Dysfunction in Ageâ€Related Metabolic Disorders. Proteomics, 2020, 20, e1800404.	2.2	41
9	ER-luminal [Ca2+] regulation of InsP3 receptor gating mediated by an ER-luminal peripheral Ca2+-binding protein. ELife, 2020, 9, .	6.0	19
10	Zika virus alters DNA methylation status of genes involved in Hippo signaling pathway in human neural progenitor cells. Epigenomics, 2019, 11, 1143-1161.	2.1	13
11	Increased Akt-Driven Glycolysis Is the Basis for the Higher Potency of CD137L-DCs. Frontiers in Immunology, 2019, 10, 868.	4.8	11
12	Negative Conditioning of Mitochondrial Dysfunction in Age-related Neurodegenerative Diseases. Conditioning Medicine, 2019, 2, 30-39.	1.3	7
13	Transcriptome analysis reveals intermittent fasting-induced genetic changes in ischemic stroke. Human Molecular Genetics, 2018, 27, 1497-1513.	2.9	34
14	Interplay between Notch and p53 promotes neuronal cell death in ischemic stroke. Journal of Cerebral Blood Flow and Metabolism, 2018, 38, 1781-1795.	4.3	37
15	Microglial SMAD4 regulated by microRNA-146a promotes migration of microglia which support tumor progression in a glioma environment. Oncotarget, 2018, 9, 24950-24969.	1.8	17
16	Tissue-selective restriction of RNA editing of CaV1.3 by splicing factor SRSF9. Nucleic Acids Research, 2018, 46, 7323-7338.	14.5	21
17	PTEN-L is a novel protein phosphatase for ubiquitin dephosphorylation to inhibit PINK1â€“Parkin-mediated mitophagy. Cell Research, 2018, 28, 787-802.	12.0	124
18	EMRE Is a Matrix Ca 2+ Sensor that Governs Gatekeeping of the Mitochondrial Ca 2+ Uniporter. Cell Reports, 2016, 14, 403-410.	6.4	134

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19	Immunogenicity of a novel enhanced consensus DNA vaccine encoding the leptospiral protein LipL45. Human Vaccines and Immunotherapeutics, 2015, 11, 1945-1953.	3.3	12
20	Hyperhomocysteinemia and Hyperglycemia Induce and Potentiate Endothelial Dysfunction via Î¼-Calpain Activation. Diabetes, 2015, 64, 947-959.	0.6	66
21	MCUR1, CCDC90A, Is a Regulator of the Mitochondrial Calcium Uniporter. Cell Metabolism, 2015, 22, 533-535.	16.2	71
22	TRPM2 Channels Protect against Cardiac Ischemia-Reperfusion Injury. Journal of Biological Chemistry, 2014, 289, 7615-7629.	3.4	78
23	MICU1 Motifs Define Mitochondrial Calcium Uniporter Binding and Activity. Cell Reports, 2013, 5, 1576-1588.	6.4	112
24	TRPM2 Channels Protect Hearts from Ischemia-Reperfusion Injury. Biophysical Journal, 2013, 104, 455a.	0.5	0
25	Histone 3.3 Participates in a Self-Sustaining Cascade of Apoptosis That Contributes to the Progression of Chronic Obstructive Pulmonary Disease. American Journal of Respiratory and Critical Care Medicine, 2013, 188, 673-683.	5.6	40
26	The second member of transient receptor potential-melastatin channel family protects hearts from ischemia-reperfusion injury. American Journal of Physiology - Heart and Circulatory Physiology, 2013, 304, H1010-H1022.	3.2	62
27	Inhibition of the Cardiomyocyte-Specific Kinase TNNI3K Limits Oxidative Stress, Injury, and Adverse Remodeling in the Ischemic Heart. Science Translational Medicine, 2013, 5, 207ra141.	12.4	59
28	Inflammasomes: sensors of metabolic stresses for vascular inflammationÂ. Frontiers in Bioscience - Landmark, 2013, 18, 638.	3.0	123
29	Blockade of NOX2 and STIM1 signaling limits lipopolysaccharide-induced vascular inflammation. Journal of Clinical Investigation, 2013, 123, 887-902.	8.2	163
30	Intracellular Endothelin Type B Receptor-driven Ca2+ Signal Elicits Nitric Oxide Production in Endothelial Cells. Journal of Biological Chemistry, 2012, 287, 41023-41031.	3.4	18
31	MICU1 Is an Essential Gatekeeper for MCU-Mediated Mitochondrial Ca2+ Uptake that Regulates Cell Survival. Cell, 2012, 151, 630-644.	28.9	543
32	MCUR1 is an essential component of mitochondrial Ca2+ uptake that regulates cellular metabolism. Nature Cell Biology, 2012, 14, 1336-1343.	10.3	450
33	LETM1 is an essential component of mitochondrial calcium uptake and regulation of cellular bioenergetics. FASEB Journal, 2012, 26, lb209.	0.5	0
34	Hypoxia-induced Acidosis Uncouples the STIM-Orai Calcium Signaling Complex*. Journal of Biological Chemistry, 2011, 286, 44788-44798.	3.4	51
35	A highly optimized DNA vaccine confers complete protective immunity against high-dose lethal lymphocytic choriomeningitis virus challenge. Vaccine, 2011, 29, 6755-6762.	3.8	27
36	Hyperhomocysteinemia impairs endothelium-derived hyperpolarizing factorâ€“mediated vasorelaxation in transgenic cystathionine beta synthaseâ€“deficient mice. Blood, 2011, 118, 1998-2006.	1.4	64

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37	Visualization of Vascular Ca²⁺ Signaling Triggered by Paracrine Derived ROS. Journal of Visualized Experiments, 2011, , .	0.3	7
38	NF-Î²B Protects Cells from Gamma Interferon-Induced RIP1-Dependent Necroptosis. Molecular and Cellular Biology, 2011, 31, 2934-2946.	2.3	112
39	Requirement of FADD, NEMO, and BAX/BAK for Aberrant Mitochondrial Function in Tumor Necrosis Factor Alpha-Induced Necrosis. Molecular and Cellular Biology, 2011, 31, 3745-3758.	2.3	97
40	A DNA Vaccine against Chikungunya Virus Is Protective in Mice and Induces Neutralizing Antibodies in Mice and Nonhuman Primates. PLoS Neglected Tropical Diseases, 2011, 5, e928.	3.0	155
41	S-glutathionylation activates STIM1 and alters mitochondrial homeostasis. Journal of Cell Biology, 2010, 190, 391-405.	5.2	201
42	Molecular characterization of Chikungunya virus during an outbreak in south India. Indian Journal of Medical Microbiology, 2010, 28, 299-302.	0.8	12
43	Coâ€immunization with an optimized plasmidâ€encoded immune stimulatory interleukin, highâ€mobility group box 1 protein, results in enhanced interferonâ€Î³ secretion by antigenâ€specific CD8 T cells. Immunology, 2009, 128, e612-20.	4.4	35
44	HIV-1 Vpr: Regulator of Viral Survival. Current HIV Research, 2009, 7, 153-162.	0.5	7