

# Senthil Selvaraj

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

1,505  
citations

331670

21  
h-index

454955

30  
g-index

31  
all docs

31  
docs citations

31  
times ranked

2339  
citing authors

#	ARTICLE	IF	CITATIONS
1	Neurotoxin-induced ER stress in mouse dopaminergic neurons involves downregulation of TRPC1 and inhibition of AKT/mTOR signaling. <i>Journal of Clinical Investigation</i> , 2012, 122, 1354-1367.	8.2	197
2	Resveratrol activates autophagic cell death in prostate cancer cells via downregulation of STIM1 and the mTOR pathway. <i>Molecular Carcinogenesis</i> , 2016, 55, 818-831.	2.7	136
3	Increase in Serum Ca <sup>2+</sup> /Mg <sup>2+</sup> Ratio Promotes Proliferation of Prostate Cancer Cells by Activating TRPM7 Channels. <i>Journal of Biological Chemistry</i> , 2013, 288, 255-263.	3.4	100
4	TRPC1 inhibits apoptotic cell degeneration induced by dopaminergic neurotoxin MPTP/MPP <sup>+</sup> . <i>Cell Calcium</i> , 2009, 46, 209-218.	2.4	78
5	Cardioprotective Effect of Oleanolic Acid on Isoproterenol-Induced Myocardial Ischemia in Rats. <i>Toxicologic Pathology</i> , 2007, 35, 418-423.	1.8	77
6	Isomers (oleanolic and ursolic acids) differ in their protective effect against isoproterenol-induced myocardial ischemia in rats. <i>International Journal of Cardiology</i> , 2007, 119, 131-133.	1.7	76
7	TRPM2 Promotes Neurotoxin MPP <sup>+</sup> /MPTP-Induced Cell Death. <i>Molecular Neurobiology</i> , 2018, 55, 409-420.	4.0	72
8	Calcium Signaling Regulates Autophagy and Apoptosis. <i>Cells</i> , 2021, 10, 2125.	4.1	70
9	Inhibition of L-Type Ca <sup>2+</sup> Channels by TRPC1-STIM1 Complex Is Essential for the Protection of Dopaminergic Neurons. <i>Journal of Neuroscience</i> , 2017, 37, 3364-3377.	3.6	69
10	Oxidative stress and antioxidants in patients with cardiogenic shock complicating acute myocardial infarction. <i>Clinica Chimica Acta</i> , 2004, 348, 131-137.	1.1	66
11	Association of Central Adiposity With Adverse Cardiac Mechanics. <i>Circulation: Cardiovascular Imaging</i> , 2016, 9, .	2.6	65
12	TRPC Channels and their Implications for Neurological Diseases. <i>CNS and Neurological Disorders - Drug Targets</i> , 2010, 9, 94-104.	1.4	61
13	Effect of ursolic acid on cardiac marker enzymes, lipid profile and macroscopic enzyme mapping assay in isoproterenol-induced myocardial ischemic rats. <i>Food and Chemical Toxicology</i> , 2012, 50, 3971-3977.	3.6	50
14	Emerging Roles of Canonical TRP Channels in Neuronal Function. <i>Advances in Experimental Medicine and Biology</i> , 2011, 704, 573-593.	1.6	46
15	Intramolecular shielding maintains STIM1 in an inactive conformation. <i>Journal of Cell Science</i> , 2013, 126, 2401-10.	2.0	43
16	In vitro antioxidant activities of Solanum surattense leaf extract. <i>Asian Pacific Journal of Tropical Biomedicine</i> , 2013, 3, 28-34.	1.2	38
17	A STIM1-dependent $\text{Ca}^{2+}$ trafficking trap <sup>TM</sup> mechanism regulates Orai1 plasma membrane residence and Ca <sup>2+</sup> influx levels. <i>Journal of Cell Science</i> , 2015, 128, 3143-54.	2.0	34
18	Redox status and lipid peroxidation in alcoholic hypertensive patients and alcoholic hypertensive patients with diabetes. <i>Clinica Chimica Acta</i> , 2004, 340, 207-212.	1.1	29

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19	Qatar genome: Insights on genomics from the Middle East. <i>Human Mutation</i> , 2022, 43, 499-510.	2.5	29
20	Ursolic acid modulates MMPs, collagen-I, $\alpha$ -SMA, and TGF- $\beta$ 2 expression in isoproterenol-induced myocardial infarction in rats. <i>Human and Experimental Toxicology</i> , 2019, 38, 785-793.	2.2	25
21	Clavulanic acid inhibits MPP <sup>+</sup> -induced ROS generation and subsequent loss of dopaminergic cells. <i>Brain Research</i> , 2012, 1469, 129-135.	2.2	23
22	Clavulanic acid increases dopamine release in neuronal cells through a mechanism involving enhanced vesicle trafficking. <i>Neuroscience Letters</i> , 2011, 504, 170-175.	2.1	22
23	Protective Effect of Ursolic Acid Against Myocardial Ischemia Induced by Isoproterenol in Rats. <i>Toxicology Mechanisms and Methods</i> , 2007, 17, 57-65.	2.7	21
24	A population study of clinically actionable genetic variation affecting drug response from the Middle East. <i>Npj Genomic Medicine</i> , 2022, 7, 10.	3.8	20
25	TRPC Channels and Parkinson's Disease. <i>Advances in Experimental Medicine and Biology</i> , 2017, 976, 85-94.	1.6	18
26	An Investigation of the Molecular Mechanism of Double cMyBP-C Mutation in a Patient with End-Stage Hypertrophic Cardiomyopathy. <i>Journal of Cardiovascular Translational Research</i> , 2015, 8, 232-243.	2.4	14
27	MPP <sup>+</sup> decreases store-operated calcium entry and TRPC1 expression in Mesenchymal Stem Cell derived dopaminergic neurons. <i>Scientific Reports</i> , 2018, 8, 11715.	3.3	13
28	Deconstructing the mouse olfactory percept through an ethological atlas. <i>Current Biology</i> , 2021, 31, 2809-2818.e3.	3.9	9
29	Genetic evaluation of cardiomyopathies in Qatar identifies enrichment of pathogenic sarcomere gene variants and possible founder disease mutations in the Arabs. <i>Molecular Genetics &amp; Genomic Medicine</i> , 2021, 9, e1709.	1.2	2
30	Clinical, Genetic and Functional Characterization of a Novel AVPR2 Missense Mutation in a Woman with X-Linked Recessive Nephrogenic Diabetes Insipidus. <i>Journal of Personalized Medicine</i> , 2022, 12, 118.	2.5	2
31	Molecular Determinants Of The Store-operated Ca <sup>2+</sup> Entry Channel Orai1 Trafficking In Mammalian Cells. , 2014, , .		0