

# Harpreet Singh

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5331971/publications.pdf>

Version: 2024-02-01

53  
papers

2,125  
citations

257450

24  
h-index

243625

44  
g-index

56  
all docs

56  
docs citations

56  
times ranked

3078  
citing authors

#	ARTICLE	IF	CITATIONS
1	mitoBK <sub>Ca</sub> is encoded by the <i>Kcnma1</i> gene, and a splicing sequence defines its mitochondrial location. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 10836-10841.	7.1	180
2	Skeletal muscle action of estrogen receptor $\hat{1}\pm$ is critical for the maintenance of mitochondrial function and metabolic homeostasis in females. Science Translational Medicine, 2016, 8, 334ra54.	12.4	174
3	Early gestational mesenchymal stem cell secretome attenuates experimental bronchopulmonary dysplasia in part via exosome-associated factor TSG-6. Stem Cell Research and Therapy, 2018, 9, 173.	5.5	133
4	Intracellular BK <sub>Ca</sub> (iBK <sub>Ca</sub> ) channels. Journal of Physiology, 2012, 590, 5937-5947.	2.9	117
5	High Fat Diet Upregulates Fatty Acid Oxidation and Ketogenesis via Intervention of PPAR- $\hat{1}\beta$ . Cellular Physiology and Biochemistry, 2018, 48, 1317-1331.	1.6	95
6	Functional reconstitution of mammalian $\hat{a}\hat{c}$ chloride intracellular channels <sup>TM</sup> CLIC1, CLIC4 and CLIC5 reveals differential regulation by cytoskeletal actin. FEBS Journal, 2007, 274, 6306-6316.	4.7	92
7	Redox Regulation of CLIC1 by Cysteine Residues Associated with the Putative Channel Pore. Biophysical Journal, 2006, 90, 1628-1638.	0.5	89
8	MaxiK channel and cell signalling. Pflugers Archiv European Journal of Physiology, 2014, 466, 875-886.	2.8	77
9	Two decades with dimorphic Chloride Intracellular Channels (CLICs). FEBS Letters, 2010, 584, 2112-2121.	2.8	73
10	Intracellular Chloride Channels: Novel Biomarkers in Diseases. Frontiers in Physiology, 2020, 11, 96.	2.8	72
11	CLIC4 (p64H1) and its putative transmembrane domain form poorly selective, redox-regulated ion channels. Molecular Membrane Biology, 2007, 24, 41-52.	2.0	71
12	Anion Channels of Mitochondria. Handbook of Experimental Pharmacology, 2016, 240, 71-101.	1.8	64
13	Molecular identity of cardiac mitochondrial chloride intracellular channel proteins. Mitochondrion, 2016, 27, 6-14.	3.4	64
14	G Protein-Coupled Estrogen Receptor 1 Mediates Acute Estrogen-Induced Cardioprotection via MEK/ERK/GSK-3 $\hat{1}\beta$ Pathway after Ischemia/Reperfusion. PLoS ONE, 2015, 10, e0135988.	2.5	60
15	Visualization and quantification of cardiac mitochondrial protein clusters with STED microscopy. Mitochondrion, 2012, 12, 230-236.	3.4	58
16	Genetic Strain and Sex Differences in a Hyperoxia-Induced Mouse Model of Varying Severity of Bronchopulmonary Dysplasia. American Journal of Pathology, 2019, 189, 999-1014.	3.8	49
17	MaxiK channel interactome reveals its interaction with GABA transporter 3 and heat shock protein 60 in the mammalian brain. Neuroscience, 2016, 317, 76-107.	2.3	42
18	ABCC6 Localizes to the Mitochondria-Associated Membrane. Circulation Research, 2012, 111, 516-520.	4.5	41

#	ARTICLE	IF	CITATIONS
19	Three Decades of Chloride Intracellular Channel Proteins: From Organelle to Organ Physiology. <i>Current Protocols in Pharmacology</i> , 2018, 80, 11.21.1-11.21.17.	4.0	38
20	Expression and Activation of BKCa Channels in Mice Protects Against Ischemia-Reperfusion Injury of Isolated Hearts by Modulating Mitochondrial Function. <i>Frontiers in Cardiovascular Medicine</i> , 2018, 5, 194.	2.4	35
21	A kinome-wide screen identifies a CDKL5-SOX9 regulatory axis in epithelial cell death and kidney injury. <i>Nature Communications</i> , 2020, 11, 1924.	12.8	34
22	Comprehensive Echocardiographic Assessment of the Right Ventricle in Murine Models. <i>Journal of Cardiovascular Imaging</i> , 2016, 24, 229.	0.8	32
23	BKCa Channels as Targets for Cardioprotection. <i>Antioxidants</i> , 2020, 9, 760.	5.1	32
24	MicroRNA-34a Promotes Endothelial Dysfunction and Mitochondrial-mediated Apoptosis in Murine Models of Acute Lung Injury. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2019, 60, 465-477.	2.9	29
25	Novel biomarkers of bronchopulmonary dysplasia and bronchopulmonary dysplasia-associated pulmonary hypertension. <i>Journal of Perinatology</i> , 2020, 40, 1634-1643.	2.0	27
26	Acute Dystonia during Fixed-Dose Neuroleptic Treatment. <i>Journal of Clinical Psychopharmacology</i> , 1990, 10, 389-496.	1.4	23
27	Antifungal and antibacterial activity of densely dispersed silver nanospheres with homogeneity size which synthesized using chicory: An in vitro study. <i>Journal De Mycologie Medicale</i> , 2018, 28, 637-644.	1.5	21
28	Cardiac ischemia/reperfusion stress reduces inner mitochondrial membrane protein (mitofilin) levels during early reperfusion. <i>Free Radical Biology and Medicine</i> , 2020, 158, 181-194.	2.9	21
29	Human Cardiac Progenitor Cells Enhance Exosome Release and Promote Angiogenesis Under Physoxia. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 130.	3.7	21
30	Data supporting characterization of CLIC1, CLIC4, CLIC5 and DmCLIC antibodies and localization of CLICs in endoplasmic reticulum of cardiomyocytes. <i>Data in Brief</i> , 2016, 7, 1038-1044.	1.0	20
31	Expiratory muscle activation by functional magnetic stimulation of thoracic and lumbar spinal nerves. <i>Critical Care Medicine</i> , 1999, 27, 2201-2205.	0.9	20
32	BKCa (Slo) Channel Regulates Mitochondrial Function and Lifespan in <i>Drosophila melanogaster</i> . <i>Cells</i> , 2019, 8, 945.	4.1	19
33	Identification and Characterization of a Bacterial Homolog of Chloride Intracellular Channel (CLIC) Protein. <i>Scientific Reports</i> , 2017, 7, 8500.	3.3	18
34	Inhibition of BK <sub>Ca</sub> negatively alters cardiovascular function. <i>Physiological Reports</i> , 2018, 6, e13748.	1.7	17
35	Insights Into the Role of Mitochondrial Ion Channels in Inflammatory Response. <i>Frontiers in Physiology</i> , 2020, 11, 258.	2.8	17
36	Single channel properties of mitochondrial large conductance potassium channel formed by BK-VEDEC splice variant. <i>Scientific Reports</i> , 2021, 11, 10925.	3.3	16

#	ARTICLE	IF	CITATIONS
37	Regulation of Renal Hemodynamics and Function by RGS2. PLoS ONE, 2015, 10, e0132594.	2.5	14
38	Neuroleptic withdrawal in patients meeting criteria for supersensitivity psychosis. Journal of Clinical Psychiatry, 1990, 51, 319-21.	2.2	14
39	Drosophila Voltage-Gated Calcium Channel $\hat{1}\pm 1$ -Subunits Regulate Cardiac Function in the Aging Heart. Scientific Reports, 2018, 8, 6910.	3.3	13
40	Chloride channel blocker IAA-94 increases myocardial infarction by reducing calcium retention capacity of the cardiac mitochondria. Life Sciences, 2019, 235, 116841.	4.3	12
41	Mitochondrial ion channels in cardiac function. American Journal of Physiology - Cell Physiology, 2021, 321, C812-C825.	4.6	12
42	The effect of combined magnesium and vitamin D supplementation on vitamin D status, systemic inflammation, and blood pressure: A randomized double-blinded controlled trial. Nutrition, 2022, 99-100, 111674.	2.4	12
43	Proteomics to Identify Proteins Interacting with P2X2 Ligand-Gated Cation Channels. Journal of Visualized Experiments, 2009, , .	0.3	10
44	Metabolic shifts modulate lung injury caused by infection with H1N1 influenza A virus. Virology, 2021, 559, 111-119.	2.4	10
45	Measurement of Oxidative Stress Markers In Vitro Using Commercially Available Kits. Biological Magnetic Resonance, 2020, , 39-60.	0.4	9
46	Optimization of Non-Thermal Plasma Treatment in an In Vivo Model Organism. PLoS ONE, 2016, 11, e0160676.	2.5	7
47	Use of Speckle Tracking Echocardiography to Detect Induced Regional Strain Changes in the Murine Myocardium by Acoustic Radiation Force. Journal of Cardiovascular Imaging, 2021, 29, 147.	0.7	5
48	PRMT5 Promotes Symmetric Dimethylation of RNA Processing Proteins and Modulates Activated T Cell Alternative Splicing and Ca <sup>2+</sup> /NFAT Signaling. ImmunoHorizons, 2021, 5, 884-897.	1.8	5
49	Tumor-Induced Cardiac Dysfunction: A Potential Role of ROS. Antioxidants, 2021, 10, 1299.	5.1	4
50	Response to Pomozi et al's Research Commentary. Circulation Research, 2013, 112, e152-3.	4.5	3
51	Inhibition of BKCa channels protects neonatal hearts against myocardial ischemia and reperfusion injury. Cell Death Discovery, 2022, 8, 175.	4.7	3
52	An Alternative Splice Variant of Chloride Intracellular Channel 5 Protein, (CLIC5B) Regulates Cardiac Mitochondrial Localization and Function of CLIC5. Biophysical Journal, 2017, 112, 325a.	0.5	1
53	Ablation of BK Channels Impairs Mitochondria and affects Aging. Biophysical Journal, 2015, 108, 280a.	0.5	0