

Peng Zhang

List of Publications by Year in descending order

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28
papers

935
citations

516710

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501196

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all docs

28
docs citations

28
times ranked

1246
citing authors

#	ARTICLE	IF	CITATIONS
1	Essential role for TrpC5-containing extracellular vesicles in breast cancer with chemotherapeutic resistance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 6389-6394.	7.1	152
2	Transient receptor potential channel TRPC5 is essential for P-glycoprotein induction in drug-resistant cancer cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 16282-16287.	7.1	143
3	Functional Role of TRPV4-K _{Ca} 2.3 Signaling in Vascular Endothelial Cells in Normal and Streptozotocin-Induced Diabetic Rats. <i>Hypertension</i> , 2013, 62, 134-139.	2.7	84
4	TRPC5-induced autophagy promotes drug resistance in breast carcinoma via CaMKK β /AMPK α /mTOR pathway. <i>Scientific Reports</i> , 2017, 7, 3158.	3.3	70
5	TRPV4 (Transient Receptor Potential Vanilloid 4) Mediates Endothelium-Dependent Contractions in the Aortas of Hypertensive Mice. <i>Hypertension</i> , 2018, 71, 134-142.	2.7	43
6	Activation of PTEN by inhibition of TRPV4 suppresses colon cancer development. <i>Cell Death and Disease</i> , 2019, 10, 460.	6.3	41
7	Epoxyeicosatrienoic acids act through TRPV4 α -TRPC1 β -KCa1.1 complex to induce smooth muscle membrane hyperpolarization and relaxation in human internal mammary arteries. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2015, 1852, 552-559.	3.8	38
8	Overexpression of TrpC5 promotes tumor metastasis via the HIF-1 β -Twist signaling pathway in colon cancer. <i>Clinical Science</i> , 2017, 131, 2439-2450.	4.3	38
9	Nitric Oxide-cGMP-PKG Pathway Acts on Orai1 to Inhibit the Hypertrophy of Human Embryonic Stem Cell-Derived Cardiomyocytes. <i>Stem Cells</i> , 2015, 33, 2973-2984.	3.2	34
10	Treatment of hypertension by increasing impaired endothelial $\langle \text{TRPV} \rangle$ α - $\langle \text{KC} \rangle$ α 2.3 interaction. <i>EMBO Molecular Medicine</i> , 2017, 9, 1491-1503.	6.9	30
11	Orai1 is critical for Notch-driven aggressiveness under hypoxic conditions in triple-negative breast cancers. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 975-986.	3.8	29
12	Hypoxia-induced upregulation of Orai1 drives colon cancer invasiveness and angiogenesis. <i>European Journal of Pharmacology</i> , 2018, 832, 1-10.	3.5	29
13	Nitric oxide and protein kinase G act on TRPC1 to inhibit 11,12-EET-induced vascular relaxation. <i>Cardiovascular Research</i> , 2014, 104, 138-146.	3.8	23
14	Chemotherapy enhances tumor vascularization via Notch signaling-mediated formation of tumor-derived endothelium in breast cancer. <i>Biochemical Pharmacology</i> , 2016, 118, 18-30.	4.4	23
15	TrpC5 regulates differentiation through the Ca ²⁺ /Wnt5a signalling pathway in colorectal cancer. <i>Clinical Science</i> , 2017, 131, 227-237.	4.3	23
16	Gastrodin Inhibits Store-Operated Ca ²⁺ Entry and Alleviates Cardiac Hypertrophy. <i>Frontiers in Pharmacology</i> , 2017, 8, 222.	3.5	19
17	Translocation of PKG β acts on TRPV4-C1 heteromeric channels to inhibit endothelial Ca ²⁺ entry. <i>Acta Pharmacologica Sinica</i> , 2016, 37, 1199-1207.	6.1	17
18	Ang II Promotes Cardiac Autophagy and Hypertrophy via Orai1/STIM1. <i>Frontiers in Pharmacology</i> , 2021, 12, 622774.	3.5	16

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19	Morin induces endothelium-dependent relaxation by activating TRPV4 channels in rat mesenteric arteries. <i>European Journal of Pharmacology</i> , 2019, 859, 172561.	3.5	15
20	Identification of TRPV4 as a novel target in invasiveness of colorectal cancer. <i>BMC Cancer</i> , 2021, 21, 1264.	2.6	14
21	Endothelial TRPV4-eNOS coupling as a vital therapy target for treatment of hypertension. <i>British Journal of Pharmacology</i> , 2022, 179, 2297-2312.	5.4	14
22	Morin attenuates oxidized low-density lipoprotein-mediated injury by inducing autophagy via activating AMPK signalling in HUVECs. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2019, 46, 1053-1060.	1.9	12
23	TRPV4 activates cytosolic phospholipase A ₂ via Ca ²⁺ -dependent PKC/ERK1/2 signalling in controlling hypertensive contraction. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2018, 45, 908-915.	1.9	10
24	SPZ1 is critical for chemoresistance and aggressiveness in drug-resistant breast cancer cells. <i>Biochemical Pharmacology</i> , 2018, 156, 43-51.	4.4	7
25	SPZ1 promotes deregulation of Bim to boost apoptosis resistance in colorectal cancer. <i>Clinical Science</i> , 2020, 134, 155-167.	4.3	5
26	Bilateral Hearing Loss and Unilateral Cochlear Ossification in a Patient With Chronic Myelogenous Leukemia. <i>Ear, Nose and Throat Journal</i> , 2021, 100, 301S-303S.	0.8	3
27	Editorial: The Role of Calcium Channels in Human Health and Disease. <i>Frontiers in Molecular Biosciences</i> , 2022, 9, 834108.	3.5	2
28	Small molecule compound M12 reduces vascular permeability in obese mice via blocking endothelial TRPV4-Nox2 interaction. <i>Acta Pharmacologica Sinica</i> , 2021, , .	6.1	1