

Peter R Strege

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

1,926
citations

279798

23
h-index

289244

40
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44
all docs

44
docs citations

44
times ranked

2107
citing authors

#	ARTICLE	IF	CITATIONS
1	Capsaicin as an amphipathic modulator of Na _v 1.5 mechanosensitivity. <i>Channels</i> , 2022, 16, 9-26.	2.8	3
2	Genome-wide analysis of 944 133 individuals provides insights into the etiology of haemorrhoidal disease. <i>Gut</i> , 2021, 70, 1538-1549.	12.1	21
3	Mechanotransduction in gastrointestinal smooth muscle cells: role of mechanosensitive ion channels. <i>American Journal of Physiology - Renal Physiology</i> , 2021, 320, G897-G906.	3.4	22
4	Expression of the regulated isoform of the electrogenic Na ⁺ /HCO ₃ ⁻ cotransporter, NBCe1, is enriched in pacemaker interstitial cells of Cajal. <i>American Journal of Physiology - Renal Physiology</i> , 2021, 320, G93-G107.	3.4	2
5	microRNA overexpression in slow transit constipation leads to reduced Na _v 1.5 current and altered smooth muscle contractility. <i>Gut</i> , 2020, 69, 868-876.	12.1	18
6	SCN5A mutation G615E results in Na _v 1.5 voltage-gated sodium channels with normal voltage-dependent function yet loss of mechanosensitivity. <i>Channels</i> , 2019, 13, 287-298.	2.8	14
7	Direct repression of anoctamin 1 (ANO1) gene transcription by Gli proteins. <i>FASEB Journal</i> , 2019, 33, 6632-6642.	0.5	16
8	The Na ⁺ /HCO ₃ ⁻ Cotransporter (Nbc1, Slc4a4) is Enriched in Interstitial Cells of Cajal Responsible for Generating Electrical Slow Wave Activity in the Mouse Gastrointestinal Tract. <i>FASEB Journal</i> , 2019, 33, 544.8.	0.5	0
9	Irritable bowel syndrome patients have SCN5A channelopathies that lead to decreased Na _v 1.5 current and mechanosensitivity. <i>American Journal of Physiology - Renal Physiology</i> , 2018, 314, G494-G503.	3.4	40
10	Whole Cell Electrophysiology of Primary Cultured Murine Enterochromaffin Cells. <i>Journal of Visualized Experiments</i> , 2018, , .	0.3	4
11	A population of gut epithelial enterochromaffin cells is mechanosensitive and requires Piezo2 to convert force into serotonin release. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E7632-E7641.	7.1	174
12	Tu1268 - IBS-Associated Scn5A Mutation G615E Results in Nav1.5 Voltage-Dependent Sodium Channels with Normal Voltage-Dependent Function and Loss of Mechanosensitivity. <i>Gastroenterology</i> , 2018, 154, S-920.	1.3	1
13	EAVK segment sequence confers Ca ²⁺ -dependent changes to the kinetics of full-length human Ano1. <i>American Journal of Physiology - Renal Physiology</i> , 2017, 312, G572-G579.	3.4	6
14	SCN3A-Encoded Voltage-Gated Sodium Channel Nav1.3 Bestows Mouse Enterochromaffin Cells with Patterns of Bursting Electrical Activity. <i>Gastroenterology</i> , 2017, 152, S710.	1.3	1
15	Sodium channel Nav1.3 is important for enterochromaffin cell excitability and serotonin release. <i>Scientific Reports</i> , 2017, 7, 15650.	3.3	28
16	181 Mouse Colon Enterochromaffin (EC) Cells Express Voltage-Gated Sodium Channels and Are Electrically Excitable. <i>Gastroenterology</i> , 2016, 150, S47.	1.3	2
17	A novel exon in the human Ca ²⁺ -activated Cl ⁻ channel Ano1 imparts greater sensitivity to intracellular Ca ²⁺ . <i>American Journal of Physiology - Renal Physiology</i> , 2015, 309, G743-G749.	3.4	13
18	Ranolazine inhibits voltage-gated mechanosensitive sodium channels in human colon circular smooth muscle cells. <i>American Journal of Physiology - Renal Physiology</i> , 2015, 309, G506-G512.	3.4	26

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19	Loss-of-Function of the Voltage-Gated Sodium Channel NaV1.5 (Channelopathies) in Patients With Irritable Bowel Syndrome. <i>Gastroenterology</i> , 2014, 146, 1659-1668.	1.3	120
20	Ranolazine inhibits shear sensitivity of endogenous Na ⁺ current and spontaneous action potentials in HL-1 cells. <i>Channels</i> , 2012, 6, 457-462.	2.8	21
21	Membrane permeable local anesthetics modulate NaV1.5 mechanosensitivity. <i>Channels</i> , 2012, 6, 308-316.	2.8	20
22	Inhibition of cell proliferation by a selective inhibitor of the Ca ²⁺ -activated Cl ⁻ channel, Ano1. <i>Biochemical and Biophysical Research Communications</i> , 2012, 427, 248-253.	2.1	78
23	Ranolazine Decreases Mechanosensitivity of the Voltage-Gated Sodium Ion Channel Na _v 1.5. <i>Circulation</i> , 2012, 125, 2698-2706.	1.6	70
24	Quantification of gastrointestinal sodium channelopathy. <i>Journal of Theoretical Biology</i> , 2012, 293, 41-48.	1.7	21
25	Hydrogen sulfide is a partially redox-independent activator of the human jejunum Na ⁺ channel, Na _v 1.5. <i>American Journal of Physiology - Renal Physiology</i> , 2011, 300, G1105-G1114.	3.4	29
26	Altered Expression of Ano1 Variants in Human Diabetic Gastroparesis. <i>Journal of Biological Chemistry</i> , 2011, 286, 13393-13403.	3.4	95
27	Mechanosensitivity of Na _v 1.5, a voltage-sensitive sodium channel. <i>Journal of Physiology</i> , 2010, 588, 4969-4985.	2.9	155
28	T-type Ca ²⁺ channel modulation by otilonium bromide. <i>American Journal of Physiology - Renal Physiology</i> , 2010, 298, G706-G713.	3.4	21
29	Protein Kinase C ^β Mediates Regulation of Proliferation by the Serotonin 5-Hydroxytryptamine Receptor 2B. <i>Journal of Biological Chemistry</i> , 2009, 284, 21177-21184.	3.4	23
30	Sodium channel mutation in irritable bowel syndrome: evidence for an ion channelopathy. <i>American Journal of Physiology - Renal Physiology</i> , 2009, 296, G211-G218.	3.4	112
31	Lysophosphatidyl choline modulates mechanosensitive L-type Ca ²⁺ current in circular smooth muscle cells from human jejunum. <i>American Journal of Physiology - Renal Physiology</i> , 2009, 296, G833-G839.	3.4	31
32	The α_1H Ca ²⁺ channel subunit is expressed in mouse jejunal interstitial cells of Cajal and myocytes. <i>Journal of Cellular and Molecular Medicine</i> , 2009, 13, 4422-4431.	3.6	33
33	A Mutation in Telethonin Alters Nav1.5 Function. <i>Journal of Biological Chemistry</i> , 2008, 283, 16537-16544.	3.4	59
34	Exogenous Serotonin Regulates Proliferation of Interstitial Cells of Cajal in Mouse Jejunum Through 5-HT _{2B} Receptors. <i>Gastroenterology</i> , 2007, 133, 897-906.	1.3	78
35	Carbon monoxide activates human intestinal smooth muscle L-type Ca ²⁺ channels through a nitric oxide-dependent mechanism. <i>American Journal of Physiology - Renal Physiology</i> , 2005, 288, G7-G14.	3.4	52
36	Effect of mibefradil on sodium and calcium currents. <i>American Journal of Physiology - Renal Physiology</i> , 2005, 289, G249-G253.	3.4	42

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37	Syntrophin β 2 Regulates SCN5A Gating by a PDZ Domain-mediated Interaction. Journal of Biological Chemistry, 2003, 278, 1915-1923.	3.4	103
38	Cytoskeletal modulation of sodium current in human jejunal circular smooth muscle cells. American Journal of Physiology - Cell Physiology, 2003, 284, C60-C66.	4.6	64
39	Sodium current in human intestinal interstitial cells of Cajal. American Journal of Physiology - Renal Physiology, 2003, 285, G1111-G1121.	3.4	130
40	β 1C (Ca _v 1.2) L-type calcium channel mediates mechanosensitive calcium regulation. American Journal of Physiology - Cell Physiology, 2002, 283, C1001-C1008.	4.6	104
41	Sodium current in human jejunal circular smooth muscle cells. Gastroenterology, 2002, 122, 178-187.	1.3	72