

Sang Don Koh

List of Publications by Year in descending order

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50
papers

2,343
citations

236925

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233421

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docs citations

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times ranked

1774
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of detrusor PDGFR β ⁺ cells in mouse model of cyclophosphamide-induced detrusor overactivity. <i>Scientific Reports</i> , 2022, 12, 5071.	3.3	1
2	Ca ²⁺ signalling in interstitial cells of Cajal contributes to generation and maintenance of tone in mouse and monkey lower oesophageal sphincters. <i>Journal of Physiology</i> , 2022, 600, 2613-2636.	2.9	8
3	Propulsive colonic contractions are mediated by inhibition-driven poststimulus responses that originate in interstitial cells of Cajal. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2123020119.	7.1	11
4	Low-voltage activated (LVA) inward current in murine antral smooth muscle cells is an artifact. <i>American Journal of Physiology - Cell Physiology</i> , 2021, 320, C966-C973.	4.6	0
5	Characterization of the A-type potassium current in murine gastric fundus smooth muscles. <i>American Journal of Physiology - Cell Physiology</i> , 2021, 321, C684-C693.	4.6	0
6	Molecular and functional characterization of detrusor PDGFR β ⁺ positive cells in spinal cord injury-induced detrusor overactivity. <i>Scientific Reports</i> , 2021, 11, 16268.	3.3	2
7	Expression of Alpha-type Platelet-derived Growth Factor Receptor α -influenced Genes Predicts Clinical Outcome in Glioma. <i>Translational Oncology</i> , 2020, 13, 233-240.	3.7	4
8	Identification and classification of interstitial cells in the mouse renal pelvis. <i>Journal of Physiology</i> , 2020, 598, 3283-3307.	2.9	14
9	A novel postsynaptic signal pathway of sympathetic neural regulation of murine colonic motility. <i>FASEB Journal</i> , 2020, 34, 5563-5577.	0.5	16
10	Na ⁺ /Ca ²⁺ Exchange and Pacemaker Activity of Interstitial Cells of Cajal. <i>Frontiers in Physiology</i> , 2020, 11, 230.	2.8	18
11	Na-K-2Cl Cotransporter and Store-Operated Ca ²⁺ Entry in Pacemaking by Interstitial Cells of Cajal. <i>Biophysical Journal</i> , 2019, 117, 767-779.	0.5	13
12	The Piezo2 ion channel is mechanically activated by low-threshold positive pressure. <i>Scientific Reports</i> , 2019, 9, 6446.	3.3	33
13	The cells and conductance mediating cholinergic neurotransmission in the murine proximal stomach. <i>Journal of Physiology</i> , 2018, 596, 1549-1574.	2.9	42
14	The Mystery of the Interstitial Cells in the Urinary Bladder. <i>Annual Review of Pharmacology and Toxicology</i> , 2018, 58, 603-623.	9.4	27
15	Molecular and functional characterization of inwardly rectifying K ⁺ currents in murine proximal colon. <i>Journal of Physiology</i> , 2018, 596, 379-391.	2.9	27
16	The functional role of protease-activated receptors on contractile responses by activation of Ca ²⁺ sensitization pathways in simian colonic muscles. <i>American Journal of Physiology - Renal Physiology</i> , 2018, 315, G921-G931.	3.4	3
17	SOCE mediated by STIM and Orai is essential for pacemaker activity in the interstitial cells of Cajal in the gastrointestinal tract. <i>Science Signaling</i> , 2018, 11, .	3.6	23
18	The effect of mitochondrial inhibitors on Ca ²⁺ signalling and pacemaking conductances in interstitial cells of Cajal in the mouse small intestine. <i>FASEB Journal</i> , 2018, 32, 764.3.	0.5	0

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19	Elucidating the physiological role of platelet-derived growth factor receptor α + cells and characterization of ANO1 in the murine upper urinary tract.. FASEB Journal, 2018, 32, 770.15.	0.5	0
20	A model of the enteric neural circuitry underlying the generation of rhythmic motor patterns in the colon: the role of serotonin. American Journal of Physiology - Renal Physiology, 2017, 312, G1-G14.	3.4	40
21	Premature contractions of the bladder are suppressed by interactions between TRPV4 and SK3 channels in murine detrusor PDGFR β + cells. Scientific Reports, 2017, 7, 12245.	3.3	27
22	Urothelial purine release during filling of murine and primate bladders. American Journal of Physiology - Renal Physiology, 2016, 311, F708-F716.	2.7	12
23	Na ⁺ -K ⁺ -Cl ⁻ cotransporter (NKCC) maintains the chloride gradient to sustain pacemaker activity in interstitial cells of Cajal. American Journal of Physiology - Renal Physiology, 2016, 311, G1037-G1046.	3.4	30
24	Influence of intracellular Ca ²⁺ and alternative splicing on the pharmacological profile of ANO1 channels. American Journal of Physiology - Cell Physiology, 2016, 311, C437-C451.	4.6	28
25	UTP activates small-conductance Ca ²⁺ -activated K ⁺ channels in murine detrusor PDGFR β + cells. American Journal of Physiology - Renal Physiology, 2015, 309, F569-F574.	2.7	13
26	Intracellular Ca ²⁺ release from endoplasmic reticulum regulates slow wave currents and pacemaker activity of interstitial cells of Cajal. American Journal of Physiology - Cell Physiology, 2015, 308, C608-C620.	4.6	65
27	Reply to O'Grady et al.. Physiological Reviews, 2015, 95, 693-694.	28.8	2
28	Platelet-derived growth factor receptor β -positive cells and not smooth muscle cells mediate purinergic hyperpolarization in murine colonic muscles. American Journal of Physiology - Cell Physiology, 2014, 307, C561-C570.	4.6	77
29	Calcium signalling in Cajal-like interstitial cells of the lower urinary tract. Nature Reviews Urology, 2014, 11, 555-564.	3.8	38
30	Interstitial Cells: Regulators of Smooth Muscle Function. Physiological Reviews, 2014, 94, 859-907.	28.8	365
31	Responses to Enteric Motor Neurons in the Gastric Fundus of Mice With Reduced Intramuscular Interstitial Cells of Cajal. Journal of Neurogastroenterology and Motility, 2014, 20, 171-184.	2.4	25
32	Important role of mucosal serotonin in colonic propulsion and peristaltic reflexes: <i>in vitro</i> analyses in mice lacking tryptophan hydroxylase 1. Journal of Physiology, 2013, 591, 5939-5957.	2.9	127
33	Ionic Conductance(s) in Response to Post-junctional Potentials. Journal of Neurogastroenterology and Motility, 2013, 19, 426-432.	2.4	13
34	Anoctamins and gastrointestinal smooth muscle excitability. Experimental Physiology, 2012, 97, 200-206.	2.0	93
35	Ionic conductances regulating the excitability of colonic smooth muscles. Neurogastroenterology and Motility, 2012, 24, 705-718.	3.0	49
36	Muscarinic activation of Ca ²⁺ -activated Cl ⁻ current in interstitial cells of Cajal. Journal of Physiology, 2011, 589, 4565-4582.	2.9	71

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37	A Ca ²⁺ -activated Cl ⁻ conductance in interstitial cells of Cajal linked to slow wave currents and pacemaker activity. <i>Journal of Physiology</i> , 2009, 587, 4905-4918.	2.9	234
38	Stretch-Activated Conductances in Smooth Muscles. <i>Current Topics in Membranes</i> , 2007, 59, 511-540.	0.9	2
39	Conductances responsible for slow wave generation and propagation in interstitial cells of Cajal. <i>Current Opinion in Pharmacology</i> , 2003, 3, 579-582.	3.5	20
40	A Ca ²⁺ -inhibited non-selective cation conductance contributes to pacemaker currents in mouse interstitial cell of Cajal. <i>Journal of Physiology</i> , 2002, 540, 803-814.	2.9	134
41	Regulation of ATP-sensitive K ⁺ channels by protein kinase C in murine colonic myocytes. <i>American Journal of Physiology - Cell Physiology</i> , 2001, 281, C857-C864.	4.6	31
42	Stretch-dependent potassium channels in murine colonic smooth muscle cells. <i>Journal of Physiology</i> , 2001, 533, 155-163.	2.9	60
43	Novel voltage-dependent non-selective cation conductance in murine colonic myocytes. <i>Journal of Physiology</i> , 2001, 533, 341-355.	2.9	41
44	Regulation of pacemaker currents in interstitial cells of Cajal from murine small intestine by cyclic nucleotides. <i>Journal of Physiology</i> , 2000, 527, 149-162.	2.9	48
45	Small conductance Ca ²⁺ -activated K ⁺ channels are regulated by Ca ²⁺ -calmodulin-dependent protein kinase II in murine colonic myocytes. <i>Journal of Physiology</i> , 2000, 524, 331-337.	2.9	32
46	Purinergic activation of spontaneous transient outward currents in guinea pig taenia colonic myocytes. <i>American Journal of Physiology - Cell Physiology</i> , 2000, 278, C352-C362.	4.6	71
47	Novel regulation of the A-type K ⁺ current in murine proximal colon by calcium-calmodulin-dependent protein kinase II. <i>Journal of Physiology</i> , 1999, 517, 75-84.	2.9	44
48	Inward rectifier potassium conductance regulates membrane potential of canine colonic smooth muscle. <i>Journal of Physiology</i> , 1999, 518, 247-256.	2.9	32
49	Spontaneous electrical rhythmicity in cultured interstitial cells of Cajal from the murine small intestine. <i>Journal of Physiology</i> , 1998, 513, 203-213.	2.9	247
50	Molecular identification of a component of delayed rectifier current in gastrointestinal smooth muscles. <i>American Journal of Physiology - Renal Physiology</i> , 1998, 274, G901-G911.	3.4	30