Thomas E Fisher

List of Publications by Year
in descending order

26	1,811	623734	677142
papers	citations	14 h-index	22 g-index

26	26	26	1877
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mechanical design of proteins studied by single-molecule force spectroscopy and protein engineering. Progress in Biophysics and Molecular Biology, 2000, 74, 63-91.	2.9	400
2	The study of protein mechanics with the atomic force microscope. Trends in Biochemical Sciences, 1999, 24, 379-384.	7.5	313
3	Norepinephrine triggers release of glial ATP to increase postsynaptic efficacy. Nature Neuroscience, 2005, 8, 1078-1086.	14.8	304
4	Stretching single molecules into novel conformations using the atomic force microscope. Nature Structural Biology, 2000, 7, 719-724.	9.7	283
5	The function of Ca2+ channel subtypes in exocytotic secretion: new perspectives from synaptic and non-synaptic release. Progress in Biophysics and Molecular Biology, 2001, 77, 269-303.	2.9	72
6	Calcium-channel subtypes in the somata and axon terminals of magnocellular neurosecretory cells. Trends in Neurosciences, 1996, 19, 440-444.	8.6	70
7	The micro-mechanics of single molecules studied with atomic force microscopy. Journal of Physiology, 1999, 520, 5-14.	2.9	68
8	Calcium-channel subtypes in the somata and axon terminals of magnocellular neurosecretory cells. Trends in Neurosciences, 1996, 19, 440-444.	8.6	51
9	Single Molecule Force Spectroscopy of Modular Proteins in the Nervous System. Neuron, 2000, 27, 435-446.	8.1	50
10	Density of transient K+current influences excitability in acutely isolated vasopressin and oxytocin neurones of rat hypothalamus. Journal of Physiology, 1998, 511, 423-432.	2.9	38
11	The Expression of Voltageâ€Gated Ca²⁺ Channels in Pituicytes and the Upâ€Regulation of Lâ€Type Ca²⁺ Channels During Water Deprivation. Journal of Neuroendocrinology, 2009, 21, 858-866.	2.6	27
12	Novel Splice Variants of Rat CaV2.1 That Lack Much of the Synaptic Protein Interaction Site Are Expressed in Neuroendocrine Cells. Journal of Biological Chemistry, 2008, 283, 15997-16003.	3.4	22
13	Dehydration increases Lâ€type Ca²⁺ current in rat supraoptic neurons. Journal of Physiology, 2007, 580, 181-193.	2.9	20
14	An osmosensitive voltageâ€gated K⁺ current in rat supraoptic neurons. European Journal of Neuroscience, 2009, 29, 2335-2346.	2.6	16
15	Intracellular Ca2+channel immunoreactivity in neuroendocrine axon terminals. FEBS Letters, 2000, 482, 131-138.	2.8	13
16	A novel osmosensitive voltage gated cation current in rat supraoptic neurones. Journal of Physiology, 2005, 568, 61-68.	2.9	12
17	Osmotic activation of a Ca²⁺ -dependent phospholipase C pathway that regulates âˆ†N TRPV1-mediated currents in rat supraoptic neurons. Physiological Reports, 2017, 5, e13259.	1.7	11
18	Osmotic activation of phospholipase C triggers structural adaptation in osmosensitive rat supraoptic neurons. Journal of Physiology, 2014, 592, 4165-4175.	2.9	10

#	Article	IF	Citations
19	Pulsed Laser Imaging of Ca2+Influx in a Neuroendocrine Terminal. Journal of Neuroscience, 1999, 19, 7450-7457.	3.6	8
20	Expression of Ca_V2.2 and Splice Variants of Ca_V2.1 in Oxytocinâ€•and Vasopressinâ€Releasing Supraoptic Neurones. Journal of Neuroendocrinology, 2014, 26, 100-110.	2.6	8
21	Pharmacology of methyl- and propyl-Î²-carbolines in a hereditary model of epilepsy. Neuropharmacology, 1984, 23, 1015-1017.	4.1	6
22	PLCÎ´1 Plays Central Roles in the Osmotic Activation of Î”N-TRPV1 Channels in Mouse Supraoptic Neurons and in Murine Osmoregulation. Journal of Neuroscience, 2021, 41, 3579-3587.	3.6	5
23	Mechanical design of proteins studied by single-molecule force spectroscopy and protein engineering. , 2001, , 63-91.		4
24	An osmosensitive voltage-gated K+current in rat supraoptic neurons. European Journal of Neuroscience, 2009, 30, 535-535.	2.6	0
25	The Ca²⁺channel Î²₂subunit is selectively targeted to the axon terminals of supraoptic neurons. Channels, 2014, 8, 216-221.	2.8	0
26	Bursting with currents. , 2006, , 22-23.		0