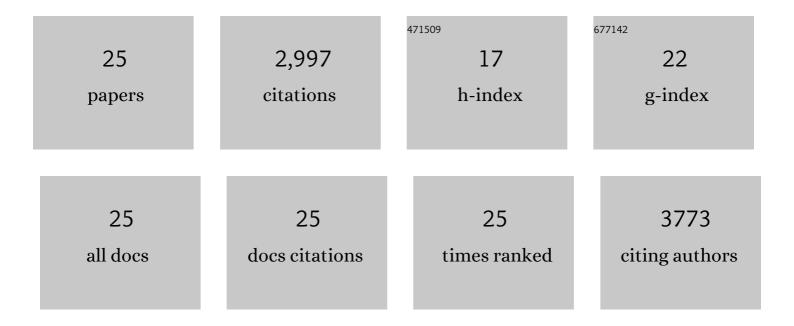
Shannon D Shields

List of Publications by Year in descending order

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SHANNON D SHIELDS

#	Article	IF	CITATIONS
1	A Non-covalent Ligand Reveals Biased Agonism of the TRPA1 Ion Channel. Neuron, 2021, 109, 273-284.e4.	8.1	52
2	A TRPA1 inhibitor suppresses neurogenic inflammation and airway contraction for asthma treatment. Journal of Experimental Medicine, 2021, 218, .	8.5	56
3	Tetrahydrofuran-Based Transient Receptor Potential Ankyrin 1 (TRPA1) Antagonists: Ligand-Based Discovery, Activity in a Rodent Asthma Model, and Mechanism-of-Action via Cryogenic Electron Microscopy. Journal of Medicinal Chemistry, 2021, 64, 3843-3869.	6.4	22
4	Discovery of Acyl-sulfonamide Na _v 1.7 Inhibitors GDC-0276 and GDC-0310. Journal of Medicinal Chemistry, 2021, 64, 2953-2966.	6.4	16
5	A Retrospective Look at the Impact of Binding Site Environment on the Optimization of TRPA1 Antagonists. ACS Medicinal Chemistry Letters, 2021, 12, 1230-1237.	2.8	10
6	Behavioral characterization of a CRISPR-generated TRPA1 knockout rat in models of pain, itch, and asthma. Scientific Reports, 2020, 10, 979.	3.3	43
7	Structure- and Ligand-Based Discovery of Chromane Arylsulfonamide Na _v 1.7 Inhibitors for the Treatment of Chronic Pain. Journal of Medicinal Chemistry, 2019, 62, 4091-4109.	6.4	21
8	Discovery of a Potent (4 <i>R</i> ,5 <i>S</i>)-4-Fluoro-5-methylproline Sulfonamide Transient Receptor Potential Ankyrin 1 Antagonist and Its Methylene Phosphate Prodrug Guided by Molecular Modeling. Journal of Medicinal Chemistry, 2018, 61, 3641-3659.	6.4	27
9	Insensitivity to Pain upon Adult-Onset Deletion of Nav1.7 or Its Blockade with Selective Inhibitors. Journal of Neuroscience, 2018, 38, 10180-10201.	3.6	59
10	BACE1 across species: a comparison of the in vivo consequences of BACE1 deletion in mice and rats. Scientific Reports, 2017, 7, 44249.	3.3	12
11	Oral Administration of PF-01247324, a Subtype-Selective Nav1.8 Blocker, Reverses Cerebellar Deficits in a Mouse Model of Multiple Sclerosis. PLoS ONE, 2015, 10, e0119067.	2.5	18
12	Conditional deletion of HCN2 from primary afferents uncovers the heterogeneity of inflammatory hypersensitivity. Pain, 2014, 155, 1051-1052.	4.2	0
13	Wnts Are Expressed in the Spinal Cord of Adult Mice and Are Differentially Induced after Injury. Journal of Neurotrauma, 2014, 31, 565-581.	3.4	59
14	Sodium Channel Na _v 1.7 Is Essential for Lowering Heat Pain Threshold after Burn Injury. Journal of Neuroscience, 2012, 32, 10819-10832.	3.6	88
15	Nav1.8 expression is not restricted to nociceptors in mouse peripheral nervous system. Pain, 2012, 153, 2017-2030.	4.2	223
16	A channelopathy contributes to cerebellar dysfunction in a model of multiple sclerosis. Annals of Neurology, 2012, 71, 186-194.	5.3	41
17	Intracellular pH in primary somatosensory neurons. Neuroscience Letters, 2011, 501, 1-3.	2.1	0
18	Cerebellar dysfunction in multiple sclerosis: in the blink of an eye. Multiple Sclerosis Journal, 2011, 17,	3.0	0

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#	Article	IF	CITATIONS
19	Pain behavior in the formalin test persists after ablation of the great majority of C-fiber nociceptors. Pain, 2010, 151, 422-429.	4.2	116
20	Olfactory ensheathing glia express aquaporin 1. Journal of Comparative Neurology, 2010, 518, 4329-4341.	1.6	14
21	Distinct subsets of unmyelinated primary sensory fibers mediate behavioral responses to noxious thermal and mechanical stimuli. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 9075-9080.	7.1	581
22	Anatomical and functional analysis of aquaporin 1, a water channel in primary afferent neurons. Pain, 2007, 131, 8-20.	4.2	81
23	Spared nerve injury model of neuropathic pain in the mouse: a behavioral and anatomic analysis. Journal of Pain, 2003, 4, 465-470.	1.4	252
24	Group I Metabotropic Glutamate Antagonist Reduces Acute Neuronal Degeneration and Behavioral Deficits after Traumatic Brain Injury in Rats. Experimental Neurology, 2001, 169, 191-199.	4.1	62
25	Bradykinin and nerve growth factor release the capsaicin receptor from PtdIns(4,5)P2-mediated inhibition. Nature, 2001, 411, 957-962.	27.8	1,144