Wenqin Luo

List of Publications by Year
in descending order

36 papers	2,278 citations	331670 21 h-index	361022 35 g-index
44 all docs	44 docs citations	44 times ranked	2669 citing authors

#	Article	IF	Citations
1	The Functional Organization of Cutaneous Low-Threshold Mechanosensory Neurons. Cell, 2011, 147, 1615-1627.	28.9	602
2	A Hierarchical NGF Signaling Cascade Controls Ret-Dependent and Ret-Independent Events during Development of Nonpeptidergic DRG Neurons. Neuron, 2007, 54, 739-754.	8.1	225
3	Molecular Identification of Rapidly Adapting Mechanoreceptors and Their Developmental Dependence on Ret Signaling. Neuron, 2009, 64, 841-856.	8.1	200
4	Olfactory inputs modulate respiration-related rhythmic activity in the prefrontal cortex and freezing behavior. Nature Communications, 2018, 9, 1528.	12.8	121
5	Modality-Based Organization of Ascending Somatosensory Axons in the Direct Dorsal Column Pathway. Journal of Neuroscience, 2013, 33, 17691-17709.	3.6	98
6	The Majority of Dorsal Spinal Cord Gastrin Releasing Peptide is Synthesized Locally Whereas Neuromedin B is Highly Expressed in Pain- and Itch-Sensing Somatosensory Neurons. Molecular Pain, 2012, 8, 1744-8069-8-52.	2.1	89
7	MRGPRX4 is a bile acid receptor for human cholestatic itch. ELife, 2019, 8, .	6.0	86
8	Identification of Early RET+ Deep Dorsal Spinal Cord Interneurons in Gating Pain. Neuron, 2016, 91, 1137-1153.	8.1	84
9	The anatomy, function, and development of mammalian AÎ² low-threshold mechanoreceptors. Frontiers in Biology, 2013, 8, 408-420.	0.7	67
10	Development of a Mouse Pain Scale Using Sub-second Behavioral Mapping and Statistical Modeling. Cell Reports, 2019, 28, 1623-1634.e4.	6.4	65
11	Facilitation of MrgprD by TRPâ€A1 promotes neuropathic pain. FASEB Journal, 2019, 33, 1360-1373.	0.5	55
12	EphrinB3/EphA4-Mediated Guidance of Ascending and Descending Spinal Tracts. Neuron, 2013, 80, 1407-1420.	8.1	54
13	An Outer Segment Localization Signal at the C Terminus of the Photoreceptor-Specific Retinol Dehydrogenase. Journal of Neuroscience, 2004, 24, 2623-2632.	3.6	53
14	Sparse genetic tracing reveals regionally specific functional organization of mammalian nociceptors. ELife, 2017, 6, .	6.0	45
15	Lgr6 marks epidermal stem cells with a nerve-dependent role in wound re-epithelialization. Cell Stem Cell, 2021, 28, 1582-1596.e6.	11.1	44
16	The specification and wiring of mammalian cutaneous lowâ€threshold mechanoreceptors. Wiley Interdisciplinary Reviews: Developmental Biology, 2016, 5, 389-404.	5.9	37
17	Sneezing reflex is mediated by a peptidergic pathway from nose to brainstem. Cell, 2021, 184, 3762-3773.e10.	28.9	33
18	The Stem Cell Marker Lgr5 Defines a Subset of Postmitotic Neurons in the Olfactory Bulb. Journal of Neuroscience, 2017, 37, 9403-9414.	3.6	30

#	Article	IF	Citations
19	Proximal and Distal Sequences Control UV Cone Pigment Gene Expression in Transgenic Zebrafish. Journal of Biological Chemistry, 2004, 279, 19286-19293.	3.4	28
20	A RET-ER81-NRG1 Signaling Pathway Drives the Development of Pacinian Corpuscles. Journal of Neuroscience, 2016, 36, 10337-10355.	3.6	27
21	Macrophage regulator of G-protein signaling 12 contributes to inflammatory pain hypersensitivity. Annals of Translational Medicine, 2021, 9, 448-448.	1.7	25
22	Ventral striatal islands of Calleja neurons control grooming in mice. Nature Neuroscience, 2021, 24, 1699-1710.	14.8	25
23	Cis and trans RET signaling control the survival and central projection growth of rapidly adapting mechanoreceptors. ELife, 2015, 4, e06828.	6.0	24
24	Glutamate in primary afferents is required for itch transmission. Neuron, 2022, 110, 809-823.e5.	8.1	18
25	Dual Innervation of Neonatal Merkel Cells in Mouse Touch Domes. PLoS ONE, 2014, 9, e92027.	2.5	17
26	Aversive Learning Increases Release Probability of Olfactory Sensory Neurons. Current Biology, 2020, 30, 31-41.e3.	3.9	16
27	Roof Plate-Derived Radial Glial-like Cells Support Developmental Growth of Rapidly Adapting Mechanoreceptor Ascending Axons. Cell Reports, 2018, 23, 2928-2941.	6.4	15
28	TRPC3 Is Dispensable for Î²-Alanine Triggered Acute Itch. Scientific Reports, 2017, 7, 13869.	3.3	14
29	Characterization of retinal ganglion cell, horizontal cell, and amacrine cell types expressing the neurotrophic receptor tyrosine kinase Ret. Journal of Comparative Neurology, 2018, 526, 742-766.	1.6	14
30	Leaky expression of channelrhodopsin-2 (ChR2) in Ai32 mouse lines. PLoS ONE, 2019, 14, e0213326.	2.5	10
31	Somatotopic organization of central arbors from nociceptive afferents develops independently of their intact peripheral target innervation. Journal of Comparative Neurology, 2018, 526, 3058-3065.	1.6	9
32	MRGPRX4 in Cholestatic Pruritus. Seminars in Liver Disease, 2021, 41, 358-367.	3.6	6
33	The development of somatosensory neurons: Insights into pain and itch. Current Topics in Developmental Biology, 2021, 142, 443-475.	2.2	4
34	TRPC3 Antagonizes Pruritus in a Mouse Contact Dermatitis Model. Journal of Investigative Dermatology, 2022, 142, 1136-1144.	0.7	3
35	Measuring Mouse Somatosensory Reflexive Behaviors with High-Speed Videography, Statistical Modeling, and Machine Learning. Neuromethods, 2022, , 441-456.	0.3	1
36	Nerve regrowth can be painful. Nature, 2022, 606, 32-33.	27.8	1