

Gregory Scherrer

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

7,695
citations

136950

32
h-index

254184

43
g-index

50
all docs

50
docs citations

50
times ranked

9270
citing authors

#	ARTICLE	IF	CITATIONS
1	Cellular and Molecular Mechanisms of Pain. <i>Cell</i> , 2009, 139, 267-284.	28.9	3,090
2	Structure-based discovery of opioid analgesics with reduced side effects. <i>Nature</i> , 2016, 537, 185-190.	27.8	744
3	Dissociation of the Opioid Receptor Mechanisms that Control Mechanical and Heat Pain. <i>Cell</i> , 2009, 137, 1148-1159.	28.9	410
4	Loss of μ opioid receptor signaling in nociceptors, but not microglia, abrogates morphine tolerance without disrupting analgesia. <i>Nature Medicine</i> , 2017, 23, 164-173.	30.7	286
5	Endogenous and Exogenous Opioids in Pain. <i>Annual Review of Neuroscience</i> , 2018, 41, 453-473.	10.7	260
6	A Brainstem-Spinal Cord Inhibitory Circuit for Mechanical Pain Modulation by GABA and Enkephalins. <i>Neuron</i> , 2017, 93, 822-839.e6.	8.1	250
7	An amygdalar neural ensemble that encodes the unpleasantness of pain. <i>Science</i> , 2019, 363, 276-281.	12.6	246
8	Knockin mice expressing fluorescent δ -opioid receptors uncover G protein-coupled receptor dynamics in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 9691-9696.	7.1	230
9	A μ ⁺ delta opioid receptor brain atlas reveals neuronal co-occurrence in subcortical networks. <i>Brain Structure and Function</i> , 2015, 220, 677-702.	2.3	227
10	In Vivo Delta Opioid Receptor Internalization Controls Behavioral Effects of Agonists. <i>PLoS ONE</i> , 2009, 4, e5425.	2.5	159
11	Behavioral indices of ongoing pain are largely unchanged in male mice with tissue or nerve injury-induced mechanical hypersensitivity. <i>Pain</i> , 2011, 152, 990-1000.	4.2	154
12	Delta Opioid Receptors Presynaptically Regulate Cutaneous Mechanosensory Neuron Input to the Spinal Cord Dorsal Horn. <i>Neuron</i> , 2014, 81, 1312-1327.	8.1	127
13	Functional Divergence of Delta and Mu Opioid Receptor Organization in CNS Pain Circuits. <i>Neuron</i> , 2018, 98, 90-108.e5.	8.1	118
14	Input- and Cell-Type-Specific Endocannabinoid-Dependent LTD in the Striatum. <i>Cell Reports</i> , 2015, 10, 75-87.	6.4	101
15	Kappa Opioid Receptor Distribution and Function in Primary Afferents. <i>Neuron</i> , 2018, 99, 1274-1288.e6.	8.1	100
16	VGLUT2 expression in primary afferent neurons is essential for normal acute pain and injury-induced heat hypersensitivity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 22296-22301.	7.1	98
17	Pre- and postsynaptic inhibitory control in the spinal cord dorsal horn. <i>Annals of the New York Academy of Sciences</i> , 2013, 1279, 90-96.	3.8	81
18	Hyperexcitable arousal circuits drive sleep instability during aging. <i>Science</i> , 2022, 375, eabh3021.	12.6	74

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19	The delta agonists DPDPE and deltorphin II recruit predominantly mu receptors to produce thermal analgesia: a parallel study of mu, delta and combinatorial opioid receptor knockout mice. <i>European Journal of Neuroscience</i> , 2004, 19, 2239-2248.	2.6	73
20	Ensuring transparency and minimization of methodologic bias in preclinical pain research. <i>Pain</i> , 2016, 157, 901-909.	4.2	70
21	Brain circuits for pain and its treatment. <i>Science Translational Medicine</i> , 2021, 13, eabj7360.	12.4	65
22	In Vivo Interrogation of Spinal Mechanosensory Circuits. <i>Cell Reports</i> , 2016, 17, 1699-1710.	6.4	62
23	Neuronal interleukin-1 receptors mediate pain in chronic inflammatory diseases. <i>Journal of Experimental Medicine</i> , 2020, 217, .	8.5	61
24	Delta opioid receptors expressed in forebrain GABAergic neurons are responsible for SNC80-induced seizures. <i>Behavioural Brain Research</i> , 2015, 278, 429-434.	2.2	60
25	Localization and Regulation of Fluorescently Labeled Delta Opioid Receptor, Expressed in Enteric Neurons of Mice. <i>Gastroenterology</i> , 2011, 141, 982-991.e8.	1.3	58
26	Knock-In Mice with NOP-eGFP Receptors Identify Receptor Cellular and Regional Localization. <i>Journal of Neuroscience</i> , 2015, 35, 11682-11693.	3.6	56
27	Inhibition Mediated by Glycinergic and GABAergic Receptors on Excitatory Neurons in Mouse Superficial Dorsal Horn Is Location-Specific but Modified by Inflammation. <i>Journal of Neuroscience</i> , 2017, 37, 2336-2348.	3.6	51
28	Impaired Hippocampus-Dependent and Facilitated Striatum-Dependent Behaviors in Mice Lacking the Delta Opioid Receptor. <i>Neuropsychopharmacology</i> , 2013, 38, 1050-1059.	5.4	49
29	GINIP, a G β γ -Interacting Protein, Functions as a Key Modulator of Peripheral GABA B Receptor-Mediated Analgesia. <i>Neuron</i> , 2014, 84, 123-136.	8.1	49
30	Synapse-specific opioid modulation of thalamo-cortico-striatal circuits. <i>ELife</i> , 2019, 8, .	6.0	49
31	Optical Activation of TrkA Signaling. <i>ACS Synthetic Biology</i> , 2018, 7, 1685-1693.	3.8	40
32	In Vivo Visualization of Delta Opioid Receptors upon Physiological Activation Uncovers a Distinct Internalization Profile. <i>Journal of Neuroscience</i> , 2012, 32, 7301-7310.	3.6	39
33	A Novel Anxiogenic Role for the Delta Opioid Receptor Expressed in GABAergic Forebrain Neurons. <i>Biological Psychiatry</i> , 2015, 77, 404-415.	1.3	31
34	Targeting Morphine-Responsive Neurons: Generation of a Knock-In Mouse Line Expressing Cre Recombinase from the Mu-Opioid Receptor Gene Locus. <i>ENeuro</i> , 2020, 7, ENEURO.0433-19.2020.	1.9	27
35	The Netrin-1 receptor DCC is a regulator of maladaptive responses to chronic morphine administration. <i>BMC Genomics</i> , 2014, 15, 345.	2.8	22
36	Delta Opioid Receptor Expression and Function in Primary Afferent Somatosensory Neurons. <i>Handbook of Experimental Pharmacology</i> , 2017, 247, 87-114.	1.8	15

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37	Delta opioid receptor regulation of calcitonin gene-related peptide dynamics in the trigeminal complex. <i>Pain</i> , 2021, 162, 2297-2308.	4.2	14
38	Sensory Biology: It Takes Piezo2 to Tango. <i>Current Biology</i> , 2014, 24, R566-R569.	3.9	9
39	In Vivo Techniques to Investigate the Internalization Profile of Opioid Receptors. <i>Methods in Molecular Biology</i> , 2015, 1230, 87-104.	0.9	8
40	Enhanced Dendritic Integration by Ih Reduction in the Anterior Cingulate Cortex Increases Nociception. <i>Neuron</i> , 2015, 86, 4-6.	8.1	3
41	Beware of Undertow: Opioid Drugs Generate Additional Waves of Intracellular Signaling. <i>Neuron</i> , 2018, 98, 870-872.	8.1	3
42	Countering opioid side effects. <i>Science</i> , 2019, 365, 1246-1247.	12.6	1
43	Sympathetic yet painful: Autonomic innervation drives cluster firing of somatosensory neurons. <i>Neuron</i> , 2022, 110, 175-177.	8.1	1
44	A New Approach to Visualize Endogenously Expressed G Protein-Coupled Receptors in Tissues and Living Cells. <i>Neuromethods</i> , 2011, , 105-131.	0.3	0
45	A modulator-bound GPCR structure enables allosteric non-opioid analgesia. <i>Nature Structural and Molecular Biology</i> , 2021, 28, 871-872.	8.2	0