

Achim Schmidtko

List of Publications by Year in descending order

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Version: 2024-02-01

67
papers

2,480
citations

201575

27
h-index

206029

48
g-index

69
all docs

69
docs citations

69
times ranked

3151
citing authors

#	ARTICLE	IF	CITATIONS
1	Ziconotide for treatment of severe chronic pain. <i>Lancet, The</i> , 2010, 375, 1569-1577.	6.3	306
2	No NO, no pain? The role of nitric oxide and cGMP in spinal pain processing. <i>Trends in Neurosciences</i> , 2009, 32, 339-346.	4.2	171
3	Celecoxib loses its anti-inflammatory efficacy at high doses through activation of NF- κ B. <i>FASEB Journal</i> , 2001, 15, 1622-1624.	0.2	149
4	Reduced inflammatory hyperalgesia with preservation of acute thermal nociception in mice lacking cGMP-dependent protein kinase I. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 3253-3257.	3.3	105
5	5,6-EET Is Released upon Neuronal Activity and Induces Mechanical Pain Hypersensitivity via TRPA1 on Central Afferent Terminals. <i>Journal of Neuroscience</i> , 2012, 32, 6364-6372.	1.7	103
6	cGMP Produced by NO-Sensitive Guanylyl Cyclase Essentially Contributes to Inflammatory and Neuropathic Pain by Using Targets Different from cGMP-Dependent Protein Kinase I. <i>Journal of Neuroscience</i> , 2008, 28, 8568-8576.	1.7	94
7	NADPH Oxidase-4 Maintains Neuropathic Pain after Peripheral Nerve Injury. <i>Journal of Neuroscience</i> , 2012, 32, 10136-10145.	1.7	94
8	cGMP: a unique 2nd messenger molecule – recent developments in cGMP research and development. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2020, 393, 287-302.	1.4	82
9	Tissue distribution of imipenem in critically ill patients. <i>Clinical Pharmacology and Therapeutics</i> , 2002, 71, 325-333.	2.3	81
10	NOXious signaling in pain processing. , 2013, 137, 309-317.		76
11	Dual effects of spinally delivered 8-bromo-cyclic guanosine mono-phosphate (8-bromo-cGMP) in formalin-induced nociception in rats. <i>Neuroscience Letters</i> , 2002, 332, 146-150.	1.0	69
12	Slack Channels Expressed in Sensory Neurons Control Neuropathic Pain in Mice. <i>Journal of Neuroscience</i> , 2015, 35, 1125-1135.	1.7	67
13	Additive Antinociceptive Effects of a Combination of Vitamin C and Vitamin E after Peripheral Nerve Injury. <i>PLoS ONE</i> , 2011, 6, e29240.	1.1	59
14	Antioxidant Activity of Sestrin 2 Controls Neuropathic Pain After Peripheral Nerve Injury. <i>Antioxidants and Redox Signaling</i> , 2013, 19, 2013-2023.	2.5	58
15	Cysteine-Rich Protein 2, a Novel Downstream Effector of cGMP/cGMP-Dependent Protein Kinase I-Mediated Persistent Inflammatory Pain. <i>Journal of Neuroscience</i> , 2008, 28, 1320-1330.	1.7	55
16	Nox2-dependent signaling between macrophages and sensory neurons contributes to neuropathic pain hypersensitivity. <i>Pain</i> , 2014, 155, 2161-2170.	2.0	55
17	Modulation of spinal nociceptive processing through the glutamate transporter GLT-1. <i>Neuroscience</i> , 2003, 116, 81-87.	1.1	54
18	Impaired acute and inflammatory nociception in mice lacking the p50 subunit of NF- κ B. <i>European Journal of Pharmacology</i> , 2007, 559, 55-60.	1.7	46

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19	The calpain inhibitor MDL 28170 prevents inflammation-induced neurofilament light chain breakdown in the spinal cord and reduces thermal hyperalgesia. <i>Pain</i> , 2004, 110, 409-418.	2.0	45
20	Inhibition of cyclic guanosine 5'-monophosphate-dependent protein kinase I (PKG-I) in lumbar spinal cord reduces formalin-induced hyperalgesia and PKG upregulation. <i>Nitric Oxide - Biology and Chemistry</i> , 2003, 8, 89-94.	1.2	39
21	BKCa channels expressed in sensory neurons modulate inflammatory pain in mice. <i>Pain</i> , 2014, 155, 556-565.	2.0	39
22	Analgesic efficacy of tramadol, pregabalin and ibuprofen in menthol-evoked cold hyperalgesia. <i>Pain</i> , 2009, 147, 116-121.	2.0	38
23	CNGA3: A Target of Spinal Nitric Oxide/cGMP Signaling and Modulator of Inflammatory Pain Hypersensitivity. <i>Journal of Neuroscience</i> , 2011, 31, 11184-11192.	1.7	38
24	Protein associated with Myc (PAM) is involved in spinal nociceptive processing. <i>Journal of Neurochemistry</i> , 2004, 88, 948-957.	2.1	37
25	Genetic deletion of synapsin II reduces neuropathic pain due to reduced glutamate but increased GABA in the spinal cord dorsal horn. <i>Pain</i> , 2008, 139, 632-643.	2.0	35
26	The Protein Kinase IKK μ Is a Potential Target for the Treatment of Inflammatory Hyperalgesia. <i>Journal of Immunology</i> , 2011, 187, 2617-2625.	0.4	34
27	Boosting Anti-Inflammatory Potency of Zafirlukast by Designed Polypharmacology. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 5758-5764.	2.9	31
28	Toponomics Analysis of Functional Interactions of the Ubiquitin Ligase PAM (Protein Associated with) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.5	28
29	The glutamate transporter GLAST is involved in spinal nociceptive processing. <i>Biochemical and Biophysical Research Communications</i> , 2006, 346, 393-399.	1.0	27
30	Direct Intrathecal Drug Delivery in Mice for Detecting In Vivo Effects of cGMP on Pain Processing. <i>Methods in Molecular Biology</i> , 2013, 1020, 215-221.	0.4	27
31	Nitric Oxide-Mediated Pain Processing in the Spinal Cord. <i>Handbook of Experimental Pharmacology</i> , 2015, 227, 103-117.	0.9	27
32	The Absence of Sensory Axon Bifurcation Affects Nociception and Termination Fields of Afferents in the Spinal Cord. <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 19.	1.4	27
33	KCa3.1 channels modulate the processing of noxious chemical stimuli in mice. <i>Neuropharmacology</i> , 2017, 125, 386-395.	2.0	24
34	Essential role of the synaptic vesicle protein synapsin II in formalin-induced hyperalgesia and glutamate release in the spinal cord. <i>Pain</i> , 2005, 115, 171-181.	2.0	20
35	Oxidant-Induced Activation of cGMP-Dependent Protein Kinase II \pm Mediates Neuropathic Pain After Peripheral Nerve Injury. <i>Antioxidants and Redox Signaling</i> , 2014, 21, 1504-1515.	2.5	18
36	Narciclasine exerts anti-inflammatory actions by blocking leukocyte-endothelial cell interactions and down-regulation of the endothelial TNF receptor 1. <i>FASEB Journal</i> , 2019, 33, 8771-8781.	0.2	17

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37	The H ₂ S-producing enzyme CSE is dispensable for the processing of inflammatory and neuropathic pain. <i>Brain Research</i> , 2015, 1624, 380-389.	1.1	14
38	Lack of effect of a P2Y ₆ receptor antagonist on neuropathic pain behavior in mice. <i>Pharmacology Biochemistry and Behavior</i> , 2014, 124, 389-395.	1.3	13
39	Phosphodiesterase 2A Localized in the Spinal Cord Contributes to Inflammatory Pain Processing. <i>Anesthesiology</i> , 2014, 121, 372-382.	1.3	13
40	Design, Synthesis, and Structure-Activity Relationship Studies of Dual Inhibitors of Soluble Epoxide Hydrolase and 5-Lipoxygenase. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 11498-11521.	2.9	13
41	The impact of CREB and its phosphorylation at Ser142 on inflammatory nociception. <i>Biochemical and Biophysical Research Communications</i> , 2007, 362, 75-80.	1.0	11
42	Prostaglandin D ₂ sustains the pyrogenic effect of prostaglandin E ₂ . <i>European Journal of Pharmacology</i> , 2009, 608, 28-31.	1.7	10
43	Human adenovirus type 17 from species D transduces endothelial cells and human CD46 is involved in cell entry. <i>Scientific Reports</i> , 2018, 8, 13442.	1.6	10
44	Rab27a Contributes to the Processing of Inflammatory Pain in Mice. <i>Cells</i> , 2020, 9, 1488.	1.8	10
45	cGMP Imaging in Brain Slices Reveals Brain Region-Specific Activity of NO-Sensitive Guanylyl Cyclases (NO-GCs) and NO-GC Stimulators. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2313.	1.8	9
46	Nox4-dependent upregulation of S100A4 after peripheral nerve injury modulates neuropathic pain processing. <i>Free Radical Biology and Medicine</i> , 2021, 168, 155-167.	1.3	9
47	Rab7 is a novel redox target that modulates inflammatory pain processing. <i>Pain</i> , 2017, 158, 1354-1365.	2.0	8
48	Loxapine for Treatment of Patients With Refractory, Chemotherapy-Induced Neuropathic Pain: A Prematurely Terminated Pilot Study Showing Efficacy But Limited Tolerability. <i>Frontiers in Pharmacology</i> , 2019, 10, 838.	1.6	8
49	Functional Coupling of Slack Channels and P2X ₃ Receptors Contributes to Neuropathic Pain Processing. <i>International Journal of Molecular Sciences</i> , 2021, 22, 405.	1.8	8
50	Pharmacological and histopathological characterization of a hyperalgesia model induced by freeze lesion. <i>Pain</i> , 2007, 127, 287-295.	2.0	7
51	Cleavage of SNAP25 ameliorates cancer pain in a mouse model of melanoma. <i>European Journal of Pain</i> , 2017, 21, 101-111.	1.4	7
52	Distinct functions of soluble guanylyl cyclase isoforms NO-GC1 and NO-GC2 in inflammatory and neuropathic pain processing. <i>Pain</i> , 2019, 160, 607-618.	2.0	7
53	Prolonged zymosan-induced inflammatory pain hypersensitivity in mice lacking glycine receptor alpha2. <i>Behavioural Brain Research</i> , 2012, 226, 106-111.	1.2	6
54	Neuropathic and cAMP-induced pain behavior is ameliorated in mice lacking CNGB1. <i>Neuropharmacology</i> , 2020, 171, 108087.	2.0	6

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55	Lack of efficacy of a partial adenosine A1 receptor agonist in neuropathic pain models in mice. <i>Purinergic Signalling</i> , 2021, 17, 503-514.	1.1	5
56	NADPH Oxidases in Pain Processing. <i>Antioxidants</i> , 2022, 11, 1162.	2.2	5
57	cGMP signalling in dorsal root ganglia and the spinal cord: Various functions in development and adulthood. <i>British Journal of Pharmacology</i> , 2022, 179, 2361-2377.	2.7	4
58	Slick Potassium Channels Control Pain and Itch in Distinct Populations of Sensory and Spinal Neurons in Mice. <i>Anesthesiology</i> , 2022, 136, 802-822.	1.3	3
59	Slack Potassium Channels Modulate TRPA1-Mediated Nociception in Sensory Neurons. <i>Cells</i> , 2022, 11, 1693.	1.8	3
60	A Novel Signaling Pathway That Modulates Inflammatory Pain. <i>Journal of Neuroscience</i> , 2011, 31, 798-800.	1.7	2
61	Depolarization induces nociceptor sensitization by CaV1.2-mediated PKA-II activation. <i>Journal of Cell Biology</i> , 2021, 220, .	2.3	2
62	The role of cGMP and PKG-I in spinal nociceptive processing. <i>BMC Pharmacology</i> , 2005, 5, P50.	0.4	0
63	Cysteine-rich protein 2 is a downstream effector of cGMP-dependent protein kinase I in nociception. <i>BMC Pharmacology</i> , 2007, 7, .	0.4	0
64	cGMP-dependent signaling pathways in spinal pain processing. <i>BMC Pharmacology</i> , 2009, 9, .	0.4	0
65	Functions of NO-GC1 and NO-GC2 in pain processing. <i>BMC Pharmacology & Toxicology</i> , 2015, 16, .	1.0	0
66	Redox regulation of soluble epoxide hydrolase does not affect pain behavior in mice. <i>Neuroscience Letters</i> , 2020, 721, 134798.	1.0	0
67	Modulation of spinal nociceptive processing through the glutamate transporter GLT-1. , 0, 2002, .		0