Volker Neugebauer

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/554672/publications.pdf

Version: 2024-02-01

104	7,402	41344	56724
papers	citations	49 h-index	83 g-index

105	105	105	5167
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Chronic pain recruits hypothalamic dynorphin/kappa opioid receptor signalling to promote wakefulness and vigilance. Brain, 2023, 146, 1186-1199.	7.6	8
2	Dietary supplementation of gingerols- and shogaols-enriched ginger root extract attenuate pain-associated behaviors while modulating gut microbiota and metabolites in rats with spinal nerve ligation. Journal of Nutritional Biochemistry, 2022, 100, 108904.	4.2	29
3	Evaluation of Urea-Based Inhibitors of the Dopamine Transporter Using the Experimental Autoimmune Encephalomyelitis Model of Multiple Sclerosis. ACS Chemical Neuroscience, 2022, , .	3.5	2
4	Bioactive Compounds for Fibromyalgia-like Symptoms: A Narrative Review and Future Perspectives. International Journal of Environmental Research and Public Health, 2022, 19, 4148.	2.6	3
5	Optogenetic manipulations of CeA-CRF neurons modulate pain- and anxiety-like behaviors in neuropathic pain and control rats. Neuropharmacology, 2022, 210, 109031.	4.1	20
6	Sex differences in pain along the neuraxis. Neuropharmacology, 2022, 210, 109030.	4.1	32
7	Bioactive compounds for neuropathic pain: An update on preclinical studies and future perspectives. Journal of Nutritional Biochemistry, 2022, 104, 108979.	4.2	10
8	Kappa Opioid Receptor Blockade in the Amygdala Mitigates Pain Like-Behaviors by Inhibiting Corticotropin Releasing Factor Neurons in a Rat Model of Functional Pain. Frontiers in Pharmacology, 2022, 13, .	3.5	12
9	Sex Differences in CGRP Regulation and Function in the Amygdala in a Rat Model of Neuropathic Pain. Frontiers in Molecular Neuroscience, 2022, 15, .	2.9	12
10	Two Curcumin Extracts Modify Composition of Gut Microbiota, Tight Junction Protein, and Neuroinflammation in Rats With Neuropathic Pain: Microbiota-Gut-Brain Axis. Current Developments in Nutrition, 2022, 6, 809.	0.3	0
11	Ginger Root Extract Mitigates Neuropathic Pain via Suppressing Neuroinflammation: Gut-Brain Connection. Current Developments in Nutrition, 2022, 6, 808.	0.3	2
12	Curcumin and Curcuminoid Effects Modulating Chronic Mechanical Sensitivity in Spinal Nerve Ligation Model Revert Mitochondria Dysfunction and Oxidative Stress. Current Developments in Nutrition, 2022, 6, 333.	0.3	0
13	Kappa opioid receptor activation in the amygdala disinhibits CRF neurons to generate pain-like behaviors. Neuropharmacology, 2021, 185, 108456.	4.1	25
14	Optogenetic Manipulations of Amygdala Neurons Modulate Spinal Nociceptive Processing and Behavior Under Normal Conditions and in an Arthritis Pain Model. Frontiers in Pharmacology, 2021, 12, 668337.	3.5	18
15	Dietary Ginger Root Extract Supplementation Mitigated Diabetic Peripheral Neuropathy in Streptozotocin-Induced Diabetic Rats by Modulating Gut Microbiota. Current Developments in Nutrition, 2021, 5, 1179.	0.3	2
16	mGlu3 Metabotropic Glutamate Receptorsâ€"New Hope for Pharmacotherapy of Schizophrenia. Biological Psychiatry, 2021, 90, 356-358.	1.3	2
17	Dysfunction of Glutamate Delta-1 Receptor-Cerebellin 1 Trans-Synaptic Signaling in the Central Amygdala in Chronic Pain. Cells, 2021, 10, 2644.	4.1	6
18	Fear Extinction-Based Inter-Individual and Sex Differences in Pain-Related Vocalizations and Anxiety-like Behaviors but Not Nocifensive Reflexes. Brain Sciences, 2021, 11, 1339.	2.3	11

#	Article	IF	Citations
19	Tai Chi Improves Brain Functional Connectivity and Plasma Lysophosphatidylcholines in Postmenopausal Women With Knee Osteoarthritis: An Exploratory Pilot Study. Frontiers in Medicine, 2021, 8, 775344.	2.6	20
20	Selective modulation of tonic aversive qualities of neuropathic pain by morphine in the central nucleus of the amygdala requires endogenous opioid signaling in the anterior cingulate cortex. Pain, 2020, 161, 609-618.	4.2	34
21	Differential Impacts of Gingerols- and Shogaols-Enriched Ginger Root Extracts on Fecal Metabolites in Rats with Neuropathic Pain. Current Developments in Nutrition, 2020, 4, nzaa045_127.	0.3	0
22	Two Isomers of Ginger Root Extracts Modify Composition and Function of Gut Microbiota in Rats Treated with Neuropathic Pain. Current Developments in Nutrition, 2020, 4, nzaa045_027.	0.3	0
23	Dietary Supplementation of Gingerols- and Shogaols-Enriched Ginger Root Extracts Attenuate Pain-Associated Behaviors in Animals with Spinal Nerve Ligation. Current Developments in Nutrition, 2020, 4, nzaa040_074.	0.3	1
24	Kappa opioid receptors in the central amygdala modulate spinal nociceptive processing through an action on amygdala CRF neurons. Molecular Brain, 2020, 13, 128.	2.6	18
25	Amygdala, neuropeptides, and chronic pain-related affective behaviors. Neuropharmacology, 2020, 170, 108052.	4.1	109
26	The prolactin receptor long isoform regulates nociceptor sensitization and opioid-induced hyperalgesia selectively in females. Science Translational Medicine, 2020, 12, .	12.4	46
27	Amygdala physiology in pain. Handbook of Behavioral Neuroscience, 2020, 26, 101-113.	0.7	24
28	Serotoninâ€”pain modulation. Handbook of Behavioral Neuroscience, 2020, 31, 309-320.	0.7	5
29	Amygdala group II mGluRs mediate the inhibitory effects of systemic group II mGluR activation on behavior and spinal neurons in a rat model of arthritis pain. Neuropharmacology, 2019, 158, 107706.	4.1	18
30	Contribution of Corticotropin-Releasing Factor Receptor 1 (CRF1) to Serotonin Receptor 5-HT2CR Function in Amygdala Neurons in a Neuropathic Pain Model. International Journal of Molecular Sciences, 2019, 20, 4380.	4.1	15
31	Editorial: Metabotropic Glutamate Receptors and Neurological/Psychiatric Disorders. Frontiers in Molecular Neuroscience, 2019, 12, 67.	2.9	2
32	Kappa opioid signaling in the central nucleus of the amygdala promotes disinhibition and aversiveness of chronic neuropathic pain. Pain, 2019, 160, 824-832.	4.2	75
33	Metabotropic Glutamate Receptor 5 and 8 Modulate the Ameliorative Effect of Ultramicronized Palmitoylethanolamide on Cognitive Decline Associated with Neuropathic Pain. International Journal of Molecular Sciences, 2019, 20, 1757.	4.1	14
34	Cortico-limbic pain mechanisms. Neuroscience Letters, 2019, 702, 15-23.	2.1	124
35	Pathway-Specific Alterations of Cortico-Amygdala Transmission in an Arthritis Pain Model. ACS Chemical Neuroscience, 2018, 9, 2252-2261.	3.5	41
36	Lateralized kappa opioid receptor signaling from the amygdala central nucleus promotes stress-induced functional pain. Pain, 2018, 159, 919-928.	4.2	71

#	Article	IF	Citations
37	Group II Metabotropic Glutamate Receptors: Role in Pain Mechanisms and Pain Modulation. Frontiers in Molecular Neuroscience, 2018, 11, 383.	2.9	44
38	Fear extinction learning ability predicts neuropathic pain behaviors and amygdala activity in male rats. Molecular Pain, 2018, 14, 174480691880444.	2.1	29
39	Small conductance calcium activated potassium (SK) channel dependent and independent effects of riluzole on neuropathic pain-related amygdala activity and behaviors in rats. Neuropharmacology, 2018, 138, 219-231.	4.1	17
40	The cannabinoid system and pain. Neuropharmacology, 2017, 124, 105-120.	4.1	200
41	5-HT_{2C}Receptor Knockdown in the Amygdala Inhibits Neuropathic-Pain-Related Plasticity and Behaviors. Journal of Neuroscience, 2017, 37, 1378-1393.	3.6	63
42	Monomethyl fumarate inhibits pain behaviors and amygdala activity in a rat arthritis model. Pain, 2017, 158, 2376-2385.	4.2	23
43	Amygdala Plasticity and Pain. Pain Research and Management, 2017, 2017, 1-12.	1.8	147
44	Plasma Membrane Na+-Coupled Citrate Transporter (SLC13A5) and Neonatal Epileptic Encephalopathy. Molecules, 2017, 22, 378.	3.8	62
45	Differential contributions of vasopressin V1A and oxytocin receptors in the amygdala to pain-related behaviors in rats. Molecular Pain, 2016, 12, 174480691667649.	2.1	22
46	Distinct contributions of reactive oxygen species in amygdala to bee venom-induced spontaneous pain-related behaviors. Neuroscience Letters, 2016, 619, 68-72.	2.1	7
47	Rescue of Impaired mGluR5-Driven Endocannabinoid Signaling Restores Prefrontal Cortical Output to Inhibit Pain in Arthritic Rats. Journal of Neuroscience, 2016, 36, 837-850.	3.6	102
48	Neuropsychological, Neurovirological and Neuroimmune Aspects of Abnormal GABAergic Transmission in HIV Infection. Journal of NeuroImmune Pharmacology, 2016, 11, 279-293.	4.1	29
49	Small-Conductance Calcium-Activated Potassium (SK) Channels in the Amygdala Mediate Pain-Inhibiting Effects of Clinically Available Riluzole in a Rat Model of Arthritis Pain. Molecular Pain, 2015, 11, s12990-015-0055.	2.1	29
50	A Wnt5a signaling pathway in the pathogenesis of HIV-1 gp120-induced pain. Pain, 2015, 156, 1311-1319.	4.2	39
51	Reactive oxygen species mediate visceral painâ€“related amygdala plasticity and behaviors. Pain, 2015, 156, 825-836.	4.2	44
52	Group II mGluRs modulate baseline and arthritis pain-related synaptic transmission in the rat medial prefrontal cortex. Neuropharmacology, 2015, 95, 388-394.	4.1	29
53	Amygdala Pain Mechanisms. Handbook of Experimental Pharmacology, 2015, 227, 261-284.	1.8	304
54	<scp>CB</scp>1 augments m<scp>G</scp>lu<scp>R</scp>5 function in medial prefrontal cortical neurons to inhibit amygdala hyperactivity in an arthritis pain model. European Journal of Neuroscience, 2014, 39, 455-466.	2.6	60

#	Article	IF	Citations
55	Nasal Application of Neuropeptide S Inhibits Arthritis Pain-Related Behaviors through an Action in the Amygdala. Molecular Pain, 2014, 10, 1744-8069-10-32.	2.1	37
56	Non-Pain-Related CRF1 Activation in the Amygdala Facilitates Synaptic Transmission and Pain Responses. Molecular Pain, 2013, 9, 1744-8069-9-2.	2.1	71
57	Neural mechanisms of pain and alcohol dependence. Pharmacology Biochemistry and Behavior, 2013, 112, 34-41.	2.9	88
58	5-HT2CR Blockade in the Amygdala Conveys Analgesic Efficacy to SSRIs in a Rat Model of Arthritis Pain. Molecular Pain, 2013, 9, 1744-8069-9-41.	2.1	27
59	Modulation of pyramidal cell output in the medial prefrontal cortex by mGluR5 interacting with CB1. Neuropharmacology, 2013, 66, 170-178.	4.1	45
60	Neuropeptide S: a novel regulator of pain-related amygdala plasticity and behaviors. Journal of Neurophysiology, 2013, 110, 1765-1781.	1.8	55
61	Modulation of medial prefrontal cortical activity using in vivo recordings and optogenetics. Molecular Brain, 2012, 5, 36.	2.6	113
62	Mitochondrial Reactive Oxygen Species Are Activated by mGluR5 through IP₃and Activate ERK and PKA to Increase Excitability of Amygdala Neurons and Pain Behavior. Journal of Neuroscience, 2011, 31, 1114-1127.	3.6	101
63	Differential effects of mGluR7 and mGluR8 activation on pain-related synaptic activity in the amygdala. Neuropharmacology, 2011, 61, 1334-1344.	4.1	38
64	Homer1a Signaling in the Amygdala Counteracts Pain-Related Synaptic Plasticity, mGluR1 Function and Pain Behaviors. Molecular Pain, 2011, 7, 1744-8069-7-38.	2.1	28
65	mGluR1, but not mGluR5, activates feed-forward inhibition in the medial prefrontal cortex to impair decision making. Journal of Neurophysiology, 2011, 106, 960-973.	1.8	62
66	Pain-related deactivation of medial prefrontal cortical neurons involves mGluR1 and GABA_A receptors. Journal of Neurophysiology, 2011, 106, 2642-2652.	1.8	137
67	Facilitation of Synaptic Transmission and Pain Responses by CGRP in the Amygdala of Normal Rats. Molecular Pain, 2010, 6, 1744-8069-6-10.	2.1	105
68	Cognitive Impairment in Pain through Amygdala-Driven Prefrontal Cortical Deactivation. Journal of Neuroscience, 2010, 30, 5451-5464.	3.6	326
69	Reactive Oxygen Species Are Involved in Group I mGluR-Mediated Facilitation of Nociceptive Processing in Amygdala Neurons. Journal of Neurophysiology, 2010, 104, 218-229.	1.8	50
70	Pain-Related Increase of Excitatory Transmission and Decrease of Inhibitory Transmission in the Central Nucleus of the Amygdala are Mediated by mGluR1. Molecular Pain, 2010, 6, 1744-8069-6-93.	2.1	70
71	Hemispheric Lateralization of Pain Processing by Amygdala Neurons. Journal of Neurophysiology, 2009, 102, 2253-2264.	1.8	171
72	Forebrain pain mechanisms. Brain Research Reviews, 2009, 60, 226-242.	9.0	302

#	Article	IF	Citations
73	NR2B Receptor Blockade Inhibits Pain-Related Sensitization of Amygdala Neurons. Molecular Pain, 2009, 5, 1744-8069-5-21.	2.1	22
74	Spinal Endocannabinoids and CB ₁ Receptors Mediate C-Fiberâ€“Induced Heterosynaptic Pain Sensitization. Science, 2009, 325, 760-764.	12.6	161
75	PKA and ERK, but not PKC, in the Amygdala Contribute to Pain-Related Synaptic Plasticity and Behavior. Molecular Pain, 2008, 4, 1744-8069-4-26.	2.1	103
76	Group III mGluR7 and mGluR8 in the amygdala differentially modulate nocifensive and affective pain behaviors. Neuropharmacology, 2008, 55, 537-545.	4.1	99
77	Visceral pain and the black box called brain. Pain, 2008, 138, 5-6.	4.2	2
78	Differential Mechanisms of CRF1 and CRF2 Receptor Functions in the Amygdala in Pain-Related Synaptic Facilitation and Behavior. Journal of Neuroscience, 2008, 28, 3861-3876.	3.6	162
79	Pro- and Anti-Nociceptive Effects of Corticotropin-Releasing Factor (CRF) in Central Amygdala Neurons Are Mediated Through Different Receptors. Journal of Neurophysiology, 2008, 99, 1201-1212.	1.8	95
80	Differential Effects of CRF1 and CRF2 Receptor Antagonists on Pain-Related Sensitization of Neurons in the Central Nucleus of the Amygdala. Journal of Neurophysiology, 2007, 97, 3893-3904.	1.8	114
81	The amygdala: Different pains, different mechanisms. Pain, 2007, 127, 1-2.	4.2	58
82	Pain-Related Anxiety-Like Behavior Requires CRF1 Receptors in the Amygdala. Molecular Pain, 2007, 3, 1744-8069-3-13.	2.1	118
83	Techniques for Assessing Knee Joint Pain in Arthritis. Molecular Pain, 2007, 3, 1744-8069-3-8.	2.1	140
84	Enhanced Group II mGluR-Mediated Inhibition of Pain-Related Synaptic Plasticity in the Amygdala. Molecular Pain, 2006, 2, 1744-8069-2-18.	2.1	34
85	Differential Changes of Group II and Group III mGluR Function in Central Amygdala Neurons in a Model of Arthritic Pain. Journal of Neurophysiology, 2006, 96, 1803-1815.	1.8	54
86	Computerized analysis of audible and ultrasonic vocalizations of rats as a standardized measure of pain-related behavior. Journal of Neuroscience Methods, 2005, 141, 261-269.	2.5	105
87	Protein kinase Aâ€dependent enhanced NMDA receptor function in painâ€related synaptic plasticity in rat amygdala neurones. Journal of Physiology, 2005, 564, 907-921.	2.9	110
88	Critical Role of Calcitonin Gene-Related Peptide 1 Receptors in the Amygdala in Synaptic Plasticity and Pain Behavior. Journal of Neuroscience, 2005, 25, 10717-10728.	3.6	145
89	mGluR1 and mGluR5 antagonists in the amygdala inhibit different components of audible and ultrasonic vocalizations in a model of arthritic pain. Pain, 2005, 113, 211-222.	4.2	101
90	Block of NMDA and non-NMDA receptor activation results in reduced background and evoked activity of central amygdala neurons in a model of arthritic pain. Pain, 2004, 110, 112-122.	4.2	78

#	Article	IF	Citations
91	Enhanced group III mGluR-mediated inhibition of pain-related synaptic plasticity in the amygdala. Neuropharmacology, 2004, 46, 918-926.	4.1	59
92	Synaptic plasticity in the amygdala in a visceral pain model in rats. Neuroscience Letters, 2004, 361, 254-257.	2.1	95
93	The Amygdala and Persistent Pain. Neuroscientist, 2004, 10, 221-234.	3.5	610
94	Differential Roles of mGluR1 and mGluR5 in Brief and Prolonged Nociceptive Processing in Central Amygdala Neurons. Journal of Neurophysiology, 2004, 91, 13-24.	1.8	101
95	Differential Sensitization of Amygdala Neurons to Afferent Inputs in a Model of Arthritic Pain. Journal of Neurophysiology, 2003, 89, 716-727.	1.8	152
96	Synaptic Plasticity in the Amygdala in a Model of Arthritic Pain: Differential Roles of Metabotropic Glutamate Receptors 1 and 5. Journal of Neuroscience, 2003, 23, 52-63.	3.6	223
97	Processing of Nociceptive Mechanical and Thermal Information in Central Amygdala Neurons With Knee-Joint Input. Journal of Neurophysiology, 2002, 87, 103-112.	1.8	137
98	Peripheral metabotropic glutamate receptors as drug targets for pain relief. Expert Opinion on Therapeutic Targets, 2002, 6, 349-361.	3.4	53
99	Metabotropic glutamate receptors â€“ important modulators of nociception and pain behavior. Pain, 2002, 98, 1-8.	4.2	155
100	Metabotropic glutamate receptors: novel targets for pain relief. Expert Review of Neurotherapeutics, 2001, 1, 207-224.	2.8	32
101	Groups II and III Metabotropic Glutamate Receptors Differentially Modulate Brief and Prolonged Nociception in Primate STT Cells. Journal of Neurophysiology, 2000, 84, 2998-3009.	1.8	97
102	Cocaine and Kindling Alter the Sensitivity of Group II and III Metabotropic Glutamate Receptors in the Central Amygdala. Journal of Neurophysiology, 2000, 84, 759-770.	1.8	71
103	Loss of Long-Lasting Potentiation Mediated by Group III mGluRs in Amygdala Neurons in Kindling-Induced Epileptogenesis. Journal of Neurophysiology, 1997, 78, 3475-3478.	1.8	27
104	Gingerol-Enriched Ginger Supplementation Mitigates Neuropathic Pain via Mitigating Intestinal Permeability and Neuroinflammation: Gut-Brain Connection. Frontiers in Pharmacology, 0, 13, .	3.5	2