

# Kyle M Baumbauer

## List of Publications by Year in descending order

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Version: 2024-02-01

42  
papers

1,126  
citations

471061

17  
h-index

414034

32  
g-index

48  
all docs

48  
docs citations

48  
times ranked

1147  
citing authors

#	ARTICLE	IF	CITATIONS
1	Keratinocytes can modulate and directly initiate nociceptive responses. <i>ELife</i> , 2015, 4, .	2.8	147
2	BDNF and learning: Evidence that instrumental training promotes learning within the spinal cord by up-regulating BDNF expression. <i>Neuroscience</i> , 2007, 148, 893-906.	1.1	111
3	Maladaptive spinal plasticity opposes spinal learning and recovery in spinal cord injury. <i>Frontiers in Physiology</i> , 2012, 3, 399.	1.3	68
4	Semi-intact ex vivo approach to investigate spinal somatosensory circuits. <i>ELife</i> , 2016, 5, .	2.8	58
5	Brain-derived neurotrophic factor promotes adaptive plasticity within the spinal cord and mediates the beneficial effects of controllable stimulation. <i>Neuroscience</i> , 2012, 200, 74-90.	1.1	51
6	TIMP-1 Attenuates the Development of Inflammatory Pain Through MMP-Dependent and Receptor-Mediated Cell Signaling Mechanisms. <i>Frontiers in Molecular Neuroscience</i> , 2019, 12, 220.	1.4	50
7	Glial Tumor Necrosis Factor Alpha (TNF $\alpha$ ) Generates Metaplastic Inhibition of Spinal Learning. <i>PLoS ONE</i> , 2012, 7, e39751.	1.1	49
8	Metaplasticity and behavior: how training and inflammation affect plastic potential within the spinal cord and recovery after injury. <i>Frontiers in Neural Circuits</i> , 2014, 8, 100.	1.4	49
9	Timing in the Absence of Supraspinal Input II: Regularly Spaced Stimulation Induces a Lasting Alteration in Spinal Function That Depends on the NMDA Receptor, BDNF Release, and Protein Synthesis. <i>Journal of Neuroscience</i> , 2009, 29, 14383-14393.	1.7	42
10	Timing in the absence of supraspinal input I: Variable, but not fixed, spaced stimulation of the sciatic nerve undermines spinally-mediated instrumental learning. <i>Neuroscience</i> , 2008, 155, 1030-1047.	1.1	37
11	Impact of Behavioral Control on the Processing of Nociceptive Stimulation. <i>Frontiers in Physiology</i> , 2012, 3, 262.	1.3	37
12	The Influence of Race, Ethnicity and Genetic Variants on Postoperative Pain Intensity: An Integrative Literature Review. <i>Pain Management Nursing</i> , 2019, 20, 198-206.	0.4	37
13	Mrgprd Cre lineage neurons mediate optogenetic allodynia through an emergent polysynaptic circuit. <i>Pain</i> , 2021, 162, 2120-2131.	2.0	28
14	Single-cell q-PCR derived expression profiles of identified sensory neurons. <i>Molecular Pain</i> , 2019, 15, 174480691988449.	1.0	26
15	Lipopolysaccharide induces a spinal learning deficit that is blocked by IL-1 receptor antagonism. <i>Brain, Behavior, and Immunity</i> , 2007, 21, 748-757.	2.0	25
16	Pain and learning in a spinal system: Contradictory outcomes from common origins. <i>Brain Research Reviews</i> , 2009, 61, 124-143.	9.1	22
17	Spinal glia modulate both adaptive and pathological processes. <i>Brain, Behavior, and Immunity</i> , 2009, 23, 969-976.	2.0	22
18	Contribution of COMT and BDNF Genotype and Expression to the Risk of Transition From Acute to Chronic Low Back Pain. <i>Clinical Journal of Pain</i> , 2020, 36, 430-439.	0.8	21

#	ARTICLE	IF	CITATIONS
19	Factors Leading to Persistent Postsurgical Pain in Adolescents Undergoing Spinal Fusion: An Integrative Literature Review. <i>Journal of Pediatric Nursing</i> , 2018, 38, 74-80.	0.7	19
20	Intrathecal infusions of anisomycin impact the learning deficit but not the learning effect observed in spinal rats that have received instrumental training. <i>Behavioural Brain Research</i> , 2006, 173, 299-309.	1.2	18
21	Variations in COMT and NTRK2 Influence Symptom Burden in Women Undergoing Breast Cancer Treatment. <i>Biological Research for Nursing</i> , 2017, 19, 318-328.	1.0	18
22	Hemodynamic responses to speech and music in preverbal infants. <i>Child Neuropsychology</i> , 2014, 20, 430-448.	0.8	17
23	Neurokinin receptors modulate the impact of uncontrollable stimulation on adaptive spinal plasticity.. <i>Behavioral Neuroscience</i> , 2007, 121, 1082-1094.	0.6	16
24	Timing in the absence of supraspinal input III: Regularly spaced cutaneous stimulation prevents and reverses the spinal learning deficit produced by peripheral inflammation.. <i>Behavioral Neuroscience</i> , 2011, 125, 37-45.	0.6	15
25	Injectable nanocomposite analgesic delivery system for musculoskeletal pain management. <i>Acta Biomaterialia</i> , 2018, 74, 280-290.	4.1	15
26	Temporal regularity determines the impact of electrical stimulation on tactile reactivity and response to capsaicin in spinally transected rats. <i>Neuroscience</i> , 2012, 227, 119-133.	1.1	12
27	The Potential Role of Preoperative Pain, Catastrophizing, and Differential Gene Expression on Pain Outcomes after Pediatric Spinal Fusion. <i>Pain Management Nursing</i> , 2021, 22, 44-49.	0.4	12
28	Intrathecal administration of neurokinin 1 and neurokinin 2 receptor antagonists undermines the savings effect in spinal rats seen in an instrumental learning paradigm.. <i>Behavioral Neuroscience</i> , 2007, 121, 186-199.	0.6	10
29	Neonatal hind-paw injury disrupts acquisition of an instrumental response in adult spinal rats.. <i>Behavioral Neuroscience</i> , 2007, 121, 1095-1100.	0.6	10
30	Learning about time within the spinal cord: evidence that spinal neurons can abstract and store an index of regularity. <i>Frontiers in Behavioral Neuroscience</i> , 2015, 9, 274.	1.0	10
31	Administration of a Ca <sup>2+</sup> /calmodulin-dependent protein kinase II (CaMKII) inhibitor prevents the learning deficit observed in spinal rats after noncontingent shock administration.. <i>Behavioral Neuroscience</i> , 2007, 121, 570-578.	0.6	9
32	The neonatal injury-induced spinal learning deficit in adult rats: Central mechanisms.. <i>Behavioral Neuroscience</i> , 2008, 122, 589-600.	0.6	9
33	Cutaneous neurturin overexpression alters mechanical, thermal, and cold responsiveness in physiologically identified primary afferents. <i>Journal of Neurophysiology</i> , 2017, 117, 1258-1265.	0.9	9
34	Deletion of the murine ATP/UTP receptor P2Y2 alters mechanical and thermal response properties in polymodal cutaneous afferents. <i>Neuroscience</i> , 2016, 332, 223-230.	1.1	7
35	Managing Chronic Pain in Special Populations with Emphasis on Pediatric, Geriatric, and Drug Abuser Populations. <i>Medical Clinics of North America</i> , 2016, 100, 183-197.	1.1	7
36	A Role for Global DNA Methylation Level and IL2 Expression in the Transition From Acute to Chronic Low Back Pain. <i>Frontiers in Pain Research</i> , 2021, 2, 744148.	0.9	7

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37	Local anesthetic treatment significantly attenuates acute pain responding but does not prevent the neonatal injury-induced reduction in adult spinal behavioral plasticity.. Behavioral Neuroscience, 2007, 121, 1073-1081.	0.6	6
38	Identifying genetic determinants of inflammatory pain in mice using a large-scale gene-targeted screen. Pain, 2022, 163, 1139-1157.	2.0	4
39	Neurobiological Consequences of Early Painful Experience. Journal of Perinatal and Neonatal Nursing, 2017, 31, 178-185.	0.5	3
40	Fixed spaced stimulation restores adaptive plasticity within the spinal cord: Identifying the eliciting conditions. Physiology and Behavior, 2017, 174, 1-9.	1.0	3
41	Comprehensive phenotyping of cutaneous afferents reveals early-onset alterations in nociceptor response properties, release of CGRP, and hindpaw edema following spinal cord injury. Neurobiology of Pain (Cambridge, Mass ), 2022, 12, 100097.	1.0	3
42	TIMP-1 as a Potential Effector of Ion Channel Expression and Inflammatory Pain. Journal of Pain, 2022, 23, 4.	0.7	0