

M Catherine Bushnell

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

14,005
citations

71061

41
h-index

138417

58
g-index

65
all docs

65
docs citations

65
times ranked

10261
citing authors

#	ARTICLE	IF	CITATIONS
1	Human brain mechanisms of pain perception and regulation in health and disease. <i>European Journal of Pain</i> , 2005, 9, 463-463.	1.4	2,538
2	Pain Affect Encoded in Human Anterior Cingulate But Not Somatosensory Cortex. <i>Science</i> , 1997, 277, 968-971.	6.0	2,427
3	Cognitive and emotional control of pain and its disruption in chronic pain. <i>Nature Reviews Neuroscience</i> , 2013, 14, 502-511.	4.9	1,389
4	Cortical Representation of the Sensory Dimension of Pain. <i>Journal of Neurophysiology</i> , 2001, 86, 402-411.	0.9	549
5	Accelerated Brain Gray Matter Loss in Fibromyalgia Patients: Premature Aging of the Brain?. <i>Journal of Neuroscience</i> , 2007, 27, 4004-4007.	1.7	535
6	Effective Treatment of Chronic Low Back Pain in Humans Reverses Abnormal Brain Anatomy and Function. <i>Journal of Neuroscience</i> , 2011, 31, 7540-7550.	1.7	507
7	Cerebral Mechanisms of Hypnotic Induction and Suggestion. <i>Journal of Cognitive Neuroscience</i> , 1999, 11, 110-125.	1.1	406
8	How Neuroimaging Studies Have Challenged Us to Rethink: Is Chronic Pain a Disease?. <i>Journal of Pain</i> , 2009, 10, 1113-1120.	0.7	376
9	Fibromyalgia patients show an abnormal dopamine response to pain. <i>European Journal of Neuroscience</i> , 2007, 25, 3576-3582.	1.2	362
10	Mood Influences Supraspinal Pain Processing Separately from Attention. <i>Journal of Neuroscience</i> , 2009, 29, 705-715.	1.7	329
11	Hypnosis Modulates Activity in Brain Structures Involved in the Regulation of Consciousness. <i>Journal of Cognitive Neuroscience</i> , 2002, 14, 887-901.	1.1	328
12	A Psychophysical Comparison of Sensory and Affective Responses to Four Modalities of Experimental Pain. <i>Somatosensory & Motor Research</i> , 1992, 9, 265-277.	0.4	325
13	Effects of odors on pain perception: deciphering the roles of emotion and attention. <i>Pain</i> , 2003, 106, 101-108.	2.0	274
14	Regional Gray Matter Density Changes in Brains of Patients With Irritable Bowel Syndrome. <i>Gastroenterology</i> , 2010, 139, 48-57.e2.	0.6	252
15	Differentiation of Visceral and Cutaneous Pain in the Human Brain. <i>Journal of Neurophysiology</i> , 2003, 89, 3294-3303.	0.9	236
16	MRI structural brain changes associated with sensory and emotional function in a rat model of long-term neuropathic pain. <i>NeuroImage</i> , 2009, 47, 1007-1014.	2.1	231
17	PIEZO2 mediates injury-induced tactile pain in mice and humans. <i>Science Translational Medicine</i> , 2018, 10, .	5.8	186
18	The Anatomy of the Mesolimbic Reward System: A Link between Personality and the Placebo Analgesic Response. <i>Journal of Neuroscience</i> , 2009, 29, 4882-4887.	1.7	184

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19	Pain imaging in health and disease – how far have we come?. <i>Journal of Clinical Investigation</i> , 2010, 120, 3788-3797.	3.9	180
20	Neural correlates of painful genital touch in women with vulvar vestibulitis syndrome. <i>Pain</i> , 2005, 115, 118-127.	2.0	158
21	Empathy hurts: Compassion for another increases both sensory and affective components of pain perception. <i>Pain</i> , 2008, 136, 168-176.	2.0	150
22	Functional role of unmyelinated tactile afferents in human hairy skin: sympathetic response and perceptual localization. <i>Experimental Brain Research</i> , 2007, 184, 135-140.	0.7	134
23	Unmyelinated tactile afferents have opposite effects on insular and somatosensory cortical processing. <i>Neuroscience Letters</i> , 2008, 436, 128-132.	1.0	126
24	Peripheral Nerve Injury Is Associated with Chronic, Reversible Changes in Global DNA Methylation in the Mouse Prefrontal Cortex. <i>PLoS ONE</i> , 2013, 8, e55259.	1.1	124
25	Differentiating Noxious- and Innocuous-Related Activation of Human Somatosensory Cortices Using Temporal Analysis of fMRI. <i>Journal of Neurophysiology</i> , 2002, 88, 464-474.	0.9	118
26	Insular Cortex Mediates Increased Pain Tolerance in Yoga Practitioners. <i>Cerebral Cortex</i> , 2014, 24, 2732-2740.	1.6	113
27	Stimulation of Human Thalamus for Pain Relief: Possible Modulatory Circuits Revealed by Positron Emission Tomography. <i>Journal of Neurophysiology</i> , 1998, 80, 3326-3330.	0.9	102
28	Fibromyalgia: A Disorder of the Brain?. <i>Neuroscientist</i> , 2008, 14, 415-421.	2.6	97
29	Fibromyalgia interacts with age to change the brain. <i>NeuroImage: Clinical</i> , 2013, 3, 249-260.	1.4	95
30	Neuroprotective effects of yoga practice: age-, experience-, and frequency-dependent plasticity. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 281.	1.0	91
31	An ultrafast system for signaling mechanical pain in human skin. <i>Science Advances</i> , 2019, 5, eaaw1297.	4.7	88
32	Experimentally Induced Mood Changes Preferentially Affect Pain Unpleasantness. <i>Journal of Pain</i> , 2008, 9, 784-791.	0.7	82
33	Encoding of Touch Intensity But Not Pleasantness in Human Primary Somatosensory Cortex. <i>Journal of Neuroscience</i> , 2016, 36, 5850-5860.	1.7	82
34	Chronic neuropathic pain reduces opioid receptor availability with associated anhedonia in rat. <i>Pain</i> , 2018, 159, 1856-1866.	2.0	73
35	Unmyelinated tactile afferents underpin detection of low-force monofilaments. <i>Muscle and Nerve</i> , 2006, 34, 105-107.	1.0	65
36	Is a Responsive Default Mode Network Required for Successful Working Memory Task Performance?. <i>Journal of Neuroscience</i> , 2015, 35, 11595-11605.	1.7	62

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37	Rodent functional and anatomical imaging of pain. <i>Neuroscience Letters</i> , 2012, 520, 131-139.	1.0	59
38	Evidence against pain specificity in the dorsal posterior insula. <i>F1000Research</i> , 2015, 4, 362.	0.8	51
39	Representation of Acute and Persistent Pain in the Human CNS: Potential Implications for Chemical Intolerance. <i>Annals of the New York Academy of Sciences</i> , 2001, 933, 130-141.	1.8	50
40	Touch Perception Altered by Chronic Pain and by Opioid Blockade. <i>ENeuro</i> , 2016, 3, ENEURO.0138-15.2016.	0.9	50
41	Neurobiology Underlying Fibromyalgia Symptoms. <i>Pain Research and Treatment</i> , 2012, 2012, 1-8.	1.7	49
42	Nerve injury causes long-term attentional deficits in rats. <i>Neuroscience Letters</i> , 2012, 529, 103-107.	1.0	42
43	The effects of the steroid androstadienone and pleasant odorants on the mood and pain perception of men and women. <i>European Journal of Pain</i> , 2007, 11, 181-191.	1.4	39
44	Default mode network changes in fibromyalgia patients are largely dependent on current clinical pain. <i>NeuroImage</i> , 2020, 216, 116877.	2.1	39
45	Metabolic brain activity suggestive of persistent pain in a rat model of neuropathic pain. <i>NeuroImage</i> , 2014, 91, 344-352.	2.1	33
46	Pleasant Deep Pressure: Expanding the Social Touch Hypothesis. <i>Neuroscience</i> , 2021, 464, 3-11.	1.1	33
47	Representation of pain in the brain. , 2006, , 107-124.		28
48	Inhibitory rTMS of secondary somatosensory cortex reduces intensity but not pleasantness of gentle touch. <i>Neuroscience Letters</i> , 2017, 653, 84-91.	1.0	26
49	Anatomical and Functional Enhancements of the Insula after Loss of Large Primary Somatosensory Fibers. <i>Cerebral Cortex</i> , 2013, 23, 2017-2024.	1.6	23
50	Do the psychological effects of vagus nerve stimulation partially mediate vagal pain modulation?. <i>Neurobiology of Pain (Cambridge, Mass)</i> , 2017, 1, 37-45.	1.0	23
51	Innocuous pressure sensation requires A-type afferents but not functional TRPV2 channels in humans. <i>Nature Communications</i> , 2021, 12, 657.	5.8	20
52	Imaging Pain in the Brain: The Role of the Cerebral Cortex in Pain Perception and Modulation. <i>Journal of Musculoskeletal Pain</i> , 2002, 10, 59-72.	0.3	19
53	Unique Autonomic Responses to Pain in Yoga Practitioners. <i>Psychosomatic Medicine</i> , 2018, 80, 791-798.	1.3	12
54	Comment on "Molecular and neural basis of contagious itch behavior in mice". <i>Science</i> , 2017, 357, .	6.0	10

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55	Neural effects of placebo analgesia in fibromyalgia patients and healthy individuals. <i>Pain</i> , 2021, 162, 641-652.	2.0	7
56	Differential effects of morphine on pain and temperature perception in human volunteers. <i>European Journal of Pain</i> , 1999, 3, 193-204.	1.4	6
57	Persistent inflammatory pain alters sexually-motivated behavior in male rats. <i>Behavioural Brain Research</i> , 2019, 356, 380-389.	1.2	6
58	Attitudes and Perceptions Toward Authorized Deception: A Pilot Comparison of Healthy Controls and Fibromyalgia Patients. <i>Pain Medicine</i> , 2020, 21, 794-802.	0.9	3
59	Human functional brain imaging. <i>Pain Forum</i> , 1999, 8, 133-135.	1.1	1
60	Representación del dolor en el cerebro. , 2007, , 107-124.		0