

# Irene Tracey

## List of Publications by Year in descending order

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227  
papers

31,403  
citations

3933

88  
h-index

4774

169  
g-index

243  
all docs

243  
docs citations

243  
times ranked

29094  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multidisciplinary research priorities for the COVID-19 pandemic: a call for action for mental health science. <i>Lancet Psychiatry</i> , 2020, 7, 547-560.	7.4	4,086
2	The Cerebral Signature for Pain Perception and Its Modulation. <i>Neuron</i> , 2007, 55, 377-391.	8.1	1,414
3	Dissociating Pain from Its Anticipation in the Human Brain. <i>Science</i> , 1999, 284, 1979-1981.	12.6	1,026
4	Imaging how attention modulates pain in humans using functional MRI. <i>Brain</i> , 2002, 125, 310-319.	7.6	759
5	Exacerbation of Pain by Anxiety Is Associated with Activity in a Hippocampal Network. <i>Journal of Neuroscience</i> , 2001, 21, 9896-9903.	3.6	707
6	A common neurobiology for pain and pleasure. <i>Nature Reviews Neuroscience</i> , 2008, 9, 314-320.	10.2	643
7	The Effect of Treatment Expectation on Drug Efficacy: Imaging the Analgesic Benefit of the Opioid Remifentanyl. <i>Science Translational Medicine</i> , 2011, 3, 70ra14.	12.4	634
8	Resting fluctuations in arterial carbon dioxide induce significant low frequency variations in BOLD signal. <i>NeuroImage</i> , 2004, 21, 1652-1664.	4.2	616
9	Neurocognitive aspects of pain perception. <i>Trends in Cognitive Sciences</i> , 2008, 12, 306-313.	7.8	563
10	Imaging Attentional Modulation of Pain in the Periaqueductal Gray in Humans. <i>Journal of Neuroscience</i> , 2002, 22, 2748-2752.	3.6	527
11	The influence of negative emotions on pain: Behavioral effects and neural mechanisms. <i>NeuroImage</i> , 2009, 47, 987-994.	4.2	467
12	Getting the pain you expect: mechanisms of placebo, nocebo and reappraisal effects in humans. <i>Nature Medicine</i> , 2010, 16, 1277-1283.	30.7	452
13	Anterior Insula Integrates Information about Salience into Perceptual Decisions about Pain. <i>Journal of Neuroscience</i> , 2010, 30, 16324-16331.	3.6	383
14	How Neuroimaging Studies Have Challenged Us to Rethink: Is Chronic Pain a Disease?. <i>Journal of Pain</i> , 2009, 10, 1113-1120.	1.4	376
15	Psychophysical and functional imaging evidence supporting the presence of central sensitization in a cohort of osteoarthritis patients. <i>Arthritis and Rheumatism</i> , 2009, 61, 1226-1234.	6.7	364
16	Arthroscopic subacromial decompression for subacromial shoulder pain (CSAW): a multicentre, pragmatic, parallel group, placebo-controlled, three-group, randomised surgical trial. <i>Lancet</i> , 2018, 391, 329-338.	13.7	343
17	Somatotopic organisation of the human insula to painful heat studied with high resolution functional imaging. <i>NeuroImage</i> , 2005, 27, 201-209.	4.2	342
18	Functional organization of spatial and nonspatial working memory processing within the human lateral frontal cortex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 7721-7726.	7.1	338

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19	Quantitative neuropathology by high resolution magic angle spinning proton magnetic resonance spectroscopy. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 6408-6413.	7.1	335
20	REVIEW: From nociception to pain perception: imaging the spinal and supraspinal pathways. Journal of Anatomy, 2005, 207, 19-33.	1.5	304
21	The dorsal posterior insula subserves a fundamental role in human pain. Nature Neuroscience, 2015, 18, 499-500.	14.8	303
22	Pain vulnerability: a neurobiological perspective. Nature Neuroscience, 2014, 17, 192-200.	14.8	292
23	Phantom pain is associated with preserved structure and function in the former hand area. Nature Communications, 2013, 4, 1570.	12.8	291
24	A role for the brainstem in central sensitisation in humans. Evidence from functional magnetic resonance imaging. Pain, 2005, 114, 397-407.	4.2	279
25	Thalamic atrophy associated with painful osteoarthritis of the hip is reversible after arthroplasty: A longitudinal voxel-based morphometric study. Arthritis and Rheumatism, 2010, 62, 2930-2940.	6.7	267
26	Prestimulus functional connectivity determines pain perception in humans. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 355-360.	7.1	267
27	The current state-of-the-art of spinal cord imaging: Methods. NeuroImage, 2014, 84, 1070-1081.	4.2	256
28	From The Cover: Pharmacological modulation of pain-related brain activity during normal and central sensitization states in humans. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 18195-18200.	7.1	251
29	Widespread Modulation of Cerebral Perfusion Induced during and after Transcranial Direct Current Stimulation Applied to the Left Dorsolateral Prefrontal Cortex. Journal of Neuroscience, 2013, 33, 11425-11431.	3.6	238
30	A Comparison of Visceral and Somatic Pain Processing in the Human Brainstem Using Functional Magnetic Resonance Imaging. Journal of Neuroscience, 2005, 25, 7333-7341.	3.6	234
31	Imaging CNS Modulation of Pain in Humans. Physiology, 2008, 23, 371-380.	3.1	233
32	Nociceptive processing in the human brain. Current Opinion in Neurobiology, 2005, 15, 478-487.	4.2	226
33	Induction of Depressed Mood Disrupts Emotion Regulation Neurocircuitry and Enhances Pain Unpleasantness. Biological Psychiatry, 2010, 67, 1083-1090.	1.3	226
34	Discovery and validation of biomarkers to aid the development of safe and effective pain therapeutics: challenges and opportunities. Nature Reviews Neurology, 2020, 16, 381-400.	10.1	224
35	Learning about pain: The neural substrate of the prediction error for aversive events. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 9281-9286.	7.1	220
36	Brain imaging tests for chronic pain: medical, legal and ethical issues and recommendations. Nature Reviews Neurology, 2017, 13, 624-638.	10.1	220

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37	Physiological noise modelling for spinal functional magnetic resonance imaging studies. <i>NeuroImage</i> , 2008, 39, 680-692.	4.2	212
38	Non-parametric combination and related permutation tests for neuroimaging. <i>Human Brain Mapping</i> , 2016, 37, 1486-1511.	3.6	211
39	Imaging pain. <i>British Journal of Anaesthesia</i> , 2008, 101, 32-39.	3.4	210
40	Cortical Processing of Human Somatic and Visceral Sensation. <i>Journal of Neuroscience</i> , 2000, 20, 2657-2663.	3.6	204
41	Anticipatory brainstem activity predicts neural processing of pain in humans. <i>Pain</i> , 2007, 128, 101-110.	4.2	199
42	Cortical and Subcortical Connectivity Changes during Decreasing Levels of Consciousness in Humans: A Functional Magnetic Resonance Imaging Study using Propofol. <i>Journal of Neuroscience</i> , 2010, 30, 9095-9102.	3.6	199
43	Operculoinsular cortex encodes pain intensity at the earliest stages of cortical processing as indicated by amplitude of laser-evoked potentials in humans. <i>Neuroscience</i> , 2005, 131, 199-208.	2.3	188
44	Brain imaging approaches to the study of functional GI disorders: A Rome Working Team Report. <i>Neurogastroenterology and Motility</i> , 2009, 21, 579-596.	3.0	188
45	The role of fMRI in drug discovery. <i>Journal of Magnetic Resonance Imaging</i> , 2006, 23, 862-876.	3.4	183
46	Determining anatomical connectivities between cortical and brainstem pain processing regions in humans: A diffusion tensor imaging study in healthy controls. <i>Pain</i> , 2006, 123, 169-178.	4.2	182
47	An fMRI study of cerebral processing of brush-evoked allodynia in neuropathic pain patients. <i>NeuroImage</i> , 2006, 32, 256-265.	4.2	181
48	Decoding the perception of pain from fMRI using multivariate pattern analysis. <i>NeuroImage</i> , 2012, 63, 1162-1170.	4.2	177
49	An fMRI study measuring analgesia enhanced by religion as a belief system. <i>Pain</i> , 2008, 139, 467-476.	4.2	176
50	Combining fMRI with a Pharmacokinetic Model to Determine Which Brain Areas Activated by Painful Stimulation Are Specifically Modulated by Remifentanyl. <i>NeuroImage</i> , 2002, 16, 999-1014.	4.2	175
51	The current state-of-the-art of spinal cord imaging: Applications. <i>NeuroImage</i> , 2014, 84, 1082-1093.	4.2	169
52	Slow-Wave Activity Saturation and Thalamocortical Isolation During Propofol Anesthesia in Humans. <i>Science Translational Medicine</i> , 2013, 5, 208ra148.	12.4	162
53	fMRI reveals neural activity overlap between adult and infant pain. <i>ELife</i> , 2015, 4, .	6.0	161
54	Noxious hot and cold stimulation produce common patterns of brain activation in humans: a functional magnetic resonance imaging study. <i>Neuroscience Letters</i> , 2000, 288, 159-162.	2.1	155

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55	Reassessing cortical reorganization in the primary sensorimotor cortex following arm amputation. <i>Brain</i> , 2015, 138, 2140-2146.	7.6	153
56	Composite Pain Biomarker Signatures for Objective Assessment and Effective Treatment. <i>Neuron</i> , 2019, 101, 783-800.	8.1	153
57	Similar nociceptive afferents mediate psychophysical and electrophysiological responses to heat stimulation of glabrous and hairy skin in humans. <i>Journal of Physiology</i> , 2006, 577, 235-248.	2.9	150
58	Placebo conditioning and placebo analgesia modulate a common brain network during pain anticipation and perception. <i>Pain</i> , 2009, 145, 24-30.	4.2	148
59	Dysmenorrhoea is associated with central changes in otherwise healthy women. <i>Pain</i> , 2011, 152, 1966-1975.	4.2	148
60	Can neuroimaging studies identify pain endophenotypes in humans?. <i>Nature Reviews Neurology</i> , 2011, 7, 173-181.	10.1	146
61	Relief as a Reward: Hedonic and Neural Responses to Safety from Pain. <i>PLoS ONE</i> , 2011, 6, e17870.	2.5	145
62	Itch and Motivation to Scratch: An Investigation of the Central and Peripheral Correlates of Allergen- and Histamine-Induced Itch in Humans. <i>Journal of Neurophysiology</i> , 2007, 97, 415-422.	1.8	144
63	Determination of the human brainstem respiratory control network and its cortical connections in vivo using functional and structural imaging. <i>NeuroImage</i> , 2009, 44, 295-305.	4.2	143
64	Investigation into the neural correlates of emotional augmentation of clinical pain. <i>NeuroImage</i> , 2008, 40, 759-766.	4.2	142
65	Opioids Depress Cortical Centers Responsible for the Volitional Control of Respiration. <i>Journal of Neuroscience</i> , 2009, 29, 8177-8186.	3.6	142
66	Defining the Functional Role of NaV1.7 in Human Nociception. <i>Neuron</i> , 2019, 101, 905-919.e8.	8.1	140
67	Identifying Brain Activity Specifically Related to the Maintenance and Perceptual Consequence of Central Sensitization in Humans. <i>Journal of Neuroscience</i> , 2008, 28, 11642-11649.	3.6	138
68	The importance of context: When relative relief renders pain pleasant. <i>Pain</i> , 2013, 154, 402-410.	4.2	138
69	Evidence that central sensitisation is present in patients with shoulder impingement syndrome and influences the outcome after surgery. <i>Journal of Bone and Joint Surgery: British Volume</i> , 2011, 93-B, 498-502.	3.4	135
70	Pain, decisions, and actions: a motivational perspective. <i>Frontiers in Neuroscience</i> , 2013, 7, 46.	2.8	132
71	Multiple Somatotopic Representations of Heat and Mechanical Pain in the Operculo-Insular Cortex: A High-Resolution fMRI Study. <i>Journal of Neurophysiology</i> , 2010, 104, 2863-2872.	1.8	129
72	Quantitative assessment of the reproducibility of functional activation measured with BOLD and MR perfusion imaging: Implications for clinical trial design. <i>NeuroImage</i> , 2005, 27, 393-401.	4.2	125

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73	Simultaneous recording of laser-evoked brain potentials and continuous, high-field functional magnetic resonance imaging in humans. <i>NeuroImage</i> , 2005, 28, 708-719.	4.2	123
74	The neural basis of intuitive and counterintuitive moral judgment. <i>Social Cognitive and Affective Neuroscience</i> , 2012, 7, 393-402.	3.0	123
75	Cortical processing of visceral and somatic stimulation: Differentiating pain intensity from unpleasantness. <i>Neuroscience</i> , 2005, 133, 533-542.	2.3	120
76	The Potential Role of Sensory Testing, Skin Biopsy, and Functional Brain Imaging as Biomarkers in Chronic Pain Clinical Trials: IMMPACT Considerations. <i>Journal of Pain</i> , 2017, 18, 757-777.	1.4	115
77	Dynamic Forcing of End-Tidal Carbon Dioxide and Oxygen Applied to Functional Magnetic Resonance Imaging. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2007, 27, 1521-1532.	4.3	114
78	A new look at painful diabetic neuropathy. <i>Diabetes Research and Clinical Practice</i> , 2018, 144, 177-191.	2.8	112
79	An Investigation to Dissociate the Analgesic and Anesthetic Properties of Ketamine Using Functional Magnetic Resonance Imaging. <i>Anesthesiology</i> , 2004, 100, 292-301.	2.5	111
80	Activity in Ventrolateral and Mid-Dorsolateral Prefrontal Cortex during Nonspatial Visual Working Memory Processing: Evidence from Functional Magnetic Resonance Imaging. <i>NeuroImage</i> , 2000, 11, 392-399.	4.2	110
81	Baseline reward circuitry activity and trait reward responsiveness predict expression of opioid analgesia in healthy subjects. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 17705-17710.	7.1	110
82	Amygdala activity contributes to the dissociative effect of cannabis on pain perception. <i>Pain</i> , 2013, 154, 124-134.	4.2	109
83	Magnetic Resonance Neuroimaging Study of Brain Structural Differences in Diabetic Peripheral Neuropathy. <i>Diabetes Care</i> , 2014, 37, 1681-1688.	8.6	109
84	Using fMRI to Quantify the Time Dependence of Remifentanyl Analgesia in the Human Brain. <i>Neuropsychopharmacology</i> , 2004, 29, 626-635.	5.4	107
85	Revealing the neural fingerprints of a missing hand. <i>ELife</i> , 2016, 5, .	6.0	107
86	A $\hat{\nu}$ nociceptor response to laser stimuli: selective effect of stimulus duration on skin temperature, brain potentials and pain perception. <i>Clinical Neurophysiology</i> , 2004, 115, 2629-2637.	1.5	105
87	Counter-stimulatory effects on pain perception and processing are significantly altered by attention: an fMRI study. <i>NeuroReport</i> , 2001, 12, 2021-2025.	1.2	98
88	The insula: A multidimensional integration site for pain. <i>Pain</i> , 2007, 128, 1-2.	4.2	98
89	Flexible Cerebral Connectivity Patterns Subserve Contextual Modulations of Pain. <i>Cerebral Cortex</i> , 2011, 21, 719-726.	2.9	98
90	Pain relief as an opponent process: a psychophysical investigation. <i>European Journal of Neuroscience</i> , 2008, 28, 794-801.	2.6	96

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91	Structural changes of the brain in rheumatoid arthritis. <i>Arthritis and Rheumatism</i> , 2012, 64, 371-379.	6.7	95
92	Central Sensitization in Knee Osteoarthritis: Relating Presurgical Brainstem Neuroimaging and Pain<sc>DETECT</sc>â€Based Patient Stratification to Arthroplasty Outcome. <i>Arthritis and Rheumatology</i> , 2019, 71, 550-560.	5.6	95
93	Intrinsically organized resting state networks in the human spinal cord. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 18067-18072.	7.1	93
94	Deprivation-related and use-dependent plasticity go hand in hand. <i>ELife</i> , 2013, 2, e01273.	6.0	93
95	Network-level reorganisation of functional connectivity following arm amputation. <i>NeuroImage</i> , 2015, 114, 217-225.	4.2	91
96	Role of brain imaging in disorders of brainâ€gut interaction: a Rome Working Team Report. <i>Gut</i> , 2019, 68, 1701-1715.	12.1	91
97	Influence of prior information on pain involves biased perceptual decision-making. <i>Current Biology</i> , 2014, 24, R679-R681.	3.9	89
98	A brain-based pain facilitation mechanism contributes to painful diabetic polyneuropathy. <i>Brain</i> , 2018, 141, 357-364.	7.6	89
99	Functional Responses in the Human Spinal Cord during Willed Motor Actions: Evidence for Side- and Rate-Dependent Activity. <i>Journal of Neuroscience</i> , 2007, 27, 4182-4190.	3.6	87
100	Imaging pain: a potent means for investigating pain mechanisms in patients. <i>British Journal of Anaesthesia</i> , 2013, 111, 64-72.	3.4	86
101	Assessment of physiological noise modelling methods for functional imaging of the spinal cord. <i>NeuroImage</i> , 2012, 60, 1538-1549.	4.2	83
102	Neuroanatomy of impaired self-awareness in Alzheimer's disease and mild cognitive impairment. <i>Cortex</i> , 2013, 49, 668-678.	2.4	83
103	Learning to identify CNS drug action and efficacy using multistudy fMRI data. <i>Science Translational Medicine</i> , 2015, 7, 274ra16.	12.4	82
104	The pain matrix: Reloaded or reborn as we image tonic pain using arterial spin labelling. <i>Pain</i> , 2010, 148, 359-360.	4.2	81
105	Expectations and positive emotional feelings accompany reductions in ongoing and evoked neuropathic pain following placebo interventions. <i>Pain</i> , 2014, 155, 2687-2698.	4.2	75
106	Cold or calculating? Reduced activity in the subgenual cingulate cortex reflects decreased emotional aversion to harming in counterintuitive utilitarian judgment. <i>Cognition</i> , 2013, 126, 364-372.	2.2	74
107	Regions of interest analysis in pharmacological fMRI: How do the definition criteria influence the inferred result?. <i>NeuroImage</i> , 2008, 40, 121-132.	4.2	72
108	Brain imaging reveals that engagement of descending inhibitory pain pathways in healthy women in a low endogenous estradiol state varies with testosterone. <i>Pain</i> , 2013, 154, 515-524.	4.2	71

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109	Investigating resting-state functional connectivity in the cervical spinal cord at 3 T. <i>NeuroImage</i> , 2017, 147, 589-601.	4.2	68
110	Neuropathic Features of Joint Pain: A Community-Based Study. <i>Arthritis and Rheumatism</i> , 2013, 65, 1942-1949.	6.7	66
111	Reaffirming the link between chronic phantom limb pain and maintained missing hand representation. <i>Cortex</i> , 2018, 106, 174-184.	2.4	66
112	Neuroimaging of pain mechanisms. <i>Current Opinion in Supportive and Palliative Care</i> , 2007, 1, 109-116.	1.3	63
113	Attentional modulation of visceral and somatic pain. <i>Neurogastroenterology and Motility</i> , 2007, 19, 569-577.	3.0	63
114	Pinprick-evoked brain potentials: a novel tool to assess central sensitization of nociceptive pathways in humans. <i>Journal of Neurophysiology</i> , 2013, 110, 1107-1116.	1.8	63
115	Structural and Functional Abnormalities of the Primary Somatosensory Cortex in Diabetic Peripheral Neuropathy: A Multimodal MRI Study. <i>Diabetes</i> , 2019, 68, 796-806.	0.6	63
116	Investigation of Slow-wave Activity Saturation during Surgical Anesthesia Reveals a Signature of Neural Inertia in Humans. <i>Anesthesiology</i> , 2017, 127, 645-657.	2.5	60
117	Resting Functional Connectivity Reveals Residual Functional Activity in Alzheimer's Disease. <i>Biological Psychiatry</i> , 2013, 74, 375-383.	1.3	59
118	Brain abnormalities in Duchenne muscular dystrophy: phosphorus-31 magnetic resonance spectroscopy and neuropsychological study. <i>Lancet, The</i> , 1995, 345, 1260-1264.	13.7	58
119	Pharmacological fMRI: Measuring Opioid Effects on the BOLD Response to Hypercapnia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2007, 27, 414-423.	4.3	58
120	Cerebellar responses during anticipation of noxious stimuli in subjects recovered from depression. <i>British Journal of Psychiatry</i> , 2002, 181, 411-415.	2.8	57
121	The anxiolytic effects of midazolam during anticipation to pain revealed using fMRI. <i>Magnetic Resonance Imaging</i> , 2007, 25, 801-810.	1.8	57
122	Pharmacological fMRI in the development of new analgesic compounds. <i>NMR in Biomedicine</i> , 2006, 19, 702-711.	2.8	55
123	Functional magnetic resonance imaging can be used to explore tactile and nociceptive processing in the infant brain. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2015, 104, 158-166.	1.5	54
124	Structural Connectivity Variances Underlie Functional and Behavioral Changes During Pain Relief Induced by Neuromodulation. <i>Scientific Reports</i> , 2017, 7, 41603.	3.3	54
125	Neural basis of induced phantom limb pain relief. <i>Annals of Neurology</i> , 2019, 85, 59-73.	5.3	54
126	Considerations and methods for placebo controls in surgical trials (ASPIRE guidelines). <i>Lancet, The</i> , 2020, 395, 828-838.	13.7	54



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127	Human surrogate models of central sensitization: A critical review and practical guide. <i>European Journal of Pain</i> , 2021, 25, 1389-1428.	2.8	51
128	An fMRI Study Exploring the Overlap and Differences between Neural Representations of Physical and Recalled Pain. <i>PLoS ONE</i> , 2012, 7, e48711.	2.5	50
129	Lateralisation of nociceptive processing in the human brain: a functional magnetic resonance imaging study. <i>NeuroImage</i> , 2004, 23, 1068-1077.	4.2	49
130	Imaging pain in patients: is it meaningful?. <i>Current Opinion in Neurology</i> , 2006, 19, 392-400.	3.6	49
131	Denosing spinal cord fMRI data: Approaches to acquisition and analysis. <i>NeuroImage</i> , 2017, 154, 255-266.	4.2	49
132	The QuinteT Recruitment Intervention supported five randomized trials to recruit to target: a mixed-methods evaluation. <i>Journal of Clinical Epidemiology</i> , 2019, 106, 108-120.	5.0	49
133	Stimulus Site and Modality Dependence of Functional Activity within the Human Spinal Cord. <i>Journal of Neuroscience</i> , 2012, 32, 6231-6239.	3.6	47
134	The influence of the descending pain modulatory system on infant pain-related brain activity. <i>ELife</i> , 2018, 7, .	6.0	46
135	Unravelling the Mystery of Pain, Suffering, and Relief With Brain Imaging. <i>Current Pain and Headache Reports</i> , 2010, 14, 124-131.	2.9	45
136	Optimization and Reliability of Multiple Postlabeling Delay Pseudo-Continuous Arterial Spin Labeling during Rest and Stimulus-Induced Functional Task Activation. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014, 34, 1919-1927.	4.3	45
137	Hormones and Their Interaction with the Pain Experience. <i>Reviews in Pain</i> , 2008, 2, 20-24.	0.1	44
138	Importance of anti- and pro-nociceptive mechanisms in human disease. <i>Gut</i> , 2004, 53, 1553-1555.	12.1	43
139	Pain in multiple sclerosis: A systematic review of neuroimaging studies. <i>NeuroImage: Clinical</i> , 2014, 5, 322-331.	2.7	43
140	Disambiguating pharmacological mechanisms from placebo in neuropathic pain using functional neuroimaging. <i>British Journal of Anaesthesia</i> , 2018, 120, 299-307.	3.4	43
141	Gabapentin for chronic pelvic pain in women (GaPP2): a multicentre, randomised, double-blind, placebo-controlled trial. <i>Lancet, The</i> , 2020, 396, 909-917.	13.7	42
142	Disambiguating Pharmacodynamic Efficacy from Behavior with Neuroimaging. <i>Anesthesiology</i> , 2016, 124, 159-168.	2.5	41
143	The CSAW Study (Can Shoulder Arthroscopy Work?) â€” a placebo-controlled surgical intervention trial assessing the clinical and cost effectiveness of arthroscopic subacromial decompression for shoulder pain: study protocol for a randomised controlled trial. <i>Trials</i> , 2015, 16, 210.	1.6	39
144	Volunteer studies in pain research â€” Opportunities and challenges to replace animal experiments. <i>NeuroImage</i> , 2008, 42, 467-473.	4.2	38

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145	Imaging opioid analgesia in the human brain and its potential relevance for understanding opioid use in chronic pain. <i>Neuropharmacology</i> , 2014, 84, 123-130.	4.1	37
146	Chronic neuropathic pain severity is determined by lesion level in aquaporin 4-antibody-positive myelitis. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2017, 88, 165-169.	1.9	37
147	Opioid neurotransmission modulates defensive behavior and fear-induced antinociception in dangerous environments. <i>Neuroscience</i> , 2017, 354, 178-195.	2.3	37
148	A systematic study of the sensitivity of partial volume correction methods for the quantification of perfusion from pseudo-continuous arterial spin labeling MRI. <i>NeuroImage</i> , 2017, 162, 384-397.	4.2	37
149	Motor correlates of phantom limb pain. <i>Cortex</i> , 2017, 95, 29-36.	2.4	36
150	Calibration of arterial spin labeling data—potential pitfalls in post-processing. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 1222-1234.	3.0	36
151	Prospects for Human Pharmacological Functional Magnetic Resonance Imaging (phMRI). <i>Journal of Clinical Pharmacology</i> , 2001, 41, 21-28.	2.0	36
152	An in vivo and in vitro <sup>1</sup> H-magnetic resonance spectroscopy study of mdx mouse brain: Abnormal development or neural necrosis?. <i>Journal of the Neurological Sciences</i> , 1996, 141, 13-18.	0.6	34
153	Sex Hormones and Pain: The Evidence From Functional Imaging. <i>Current Pain and Headache Reports</i> , 2010, 14, 396-403.	2.9	34
154	SnapShot: Pain Perception. <i>Cell</i> , 2012, 148, 1308-1308.e2.	28.9	34
155	The warrior in the machine: neuroscience goes to war. <i>Nature Reviews Neuroscience</i> , 2014, 15, 825-834.	10.2	34
156	A <sup>31</sup> P-NMR study of muscle exercise metabolism in mdx mice: Evidence for abnormal pH regulation. <i>Journal of the Neurological Sciences</i> , 1992, 113, 108-113.	0.6	33
157	Presence of Mental Imagery Associated with Chronic Pelvic Pain: A Pilot Study. <i>Pain Medicine</i> , 2011, 12, 1086-1093.	1.9	33
158	Perceptions on undertaking regular asymptomatic self-testing for COVID-19 using lateral flow tests: a qualitative study of university students and staff. <i>BMJ Open</i> , 2021, 11, e053850.	1.9	33
159	Multidisciplinary research priorities for the COVID-19 pandemic — Authors' reply. <i>Lancet Psychiatry</i> , 2020, 7, e44-e45.	7.4	32
160	Anesthesia-induced Suppression of Human Dorsal Anterior Insula Responsivity at Loss of Volitional Behavioral Response. <i>Anesthesiology</i> , 2016, 124, 766-778.	2.5	31
161	Neuroimaging mechanisms in pain: from discovery to translation. <i>Pain</i> , 2017, 158, S115-S122.	4.2	31
162	Spatiotemporal characterization of breathing-induced B0 field fluctuations in the cervical spinal cord at 7T. <i>NeuroImage</i> , 2018, 167, 191-202.	4.2	31

#	ARTICLE	IF	CITATIONS
163	Neural Correlates of an Injury-Free Model of Central Sensitization Induced by Opioid Withdrawal in Humans. <i>Journal of Neuroscience</i> , 2011, 31, 2835-2842.	3.6	30
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