

Ronald Melzack

List of Publications by Year in descending order

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143
papers

27,850
citations

13827

67
h-index

13727

129
g-index

148
all docs

148
docs citations

148
times ranked

14595
citing authors

#	ARTICLE	IF	CITATIONS
1	The McGill Pain Questionnaire: Major properties and scoring methods. Pain, 1975, 1, 277-299.	2.0	5,648
2	The short-form McGill pain questionnaire. Pain, 1987, 30, 191-197.	2.0	3,518
3	Contribution of central neuroplasticity to pathological pain: review of clinical and experimental evidence. Pain, 1993, 52, 259-285.	2.0	1,752
4	From the gate to the neuromatrix. Pain, 1999, 82, S121-S126.	2.0	808
5	Phantom limbs and the concept of a neuromatrix. Trends in Neurosciences, 1990, 13, 88-92.	4.2	646
6	MEASUREMENT OF PAIN. Surgical Clinics of North America, 1999, 79, 231-252.	0.5	586
7	Pain: an overview. Lancet, The, 1999, 353, 1607-1609.	6.3	561
8	Pain and the Neuromatrix in the Brain. Journal of Dental Education, 2001, 65, 1378-1382.	0.7	542
9	Development and initial validation of an expanded and revised version of the Short-form McGill Pain Questionnaire (SF-MPQ-2). Pain, 2009, 144, 35-42.	2.0	539
10	Trigger points and acupuncture points for pain: Correlations and implications. Pain, 1977, 3, 3-23.	2.0	504
11	Central nervous system plasticity in the tonic pain response to subcutaneous formalin injection. Brain Research, 1990, 535, 155-158.	1.1	501
12	Pain mechanisms: A new theory. Pain Forum, 1996, 5, 3-11.	1.1	433
13	Prolonged relief of pain by brief, intense transcutaneous somatic stimulation. Pain, 1975, 1, 357-373.	2.0	370
14	Pain "memories"™ in phantom limbs: review and clinical observations. Pain, 1990, 43, 319-336.	2.0	370
15	The Charles Bonnet Syndrome: "Phantom Visual Images"™. Perception, 1991, 20, 809-825.	0.5	352
16	The Tragedy of Needless Pain. Scientific American, 1990, 262, 27-33.	1.0	347
17	Influence of psychological factors on postoperative pain, mood and analgesic requirements. Pain, 1986, 24, 331-342.	2.0	313
18	The McGill Pain Questionnaire. Anesthesiology, 2005, 103, 199-202.	1.3	295

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19	The myth of painless childbirth (The John J. Bonica Lecture). <i>Pain</i> , 1984, 19, 321-337.	2.0	292
20	Chronic pain in elderly people. <i>Pain</i> , 1997, 70, 3-14.	2.0	284
21	Comparisons between patients' and nurses' assessment of pain and medication efficacy in severe burn injuries. <i>Pain</i> , 1990, 40, 143-152.	2.0	278
22	Central Neuroplasticity and Pathological Pain. <i>Annals of the New York Academy of Sciences</i> , 2001, 933, 157-174.	1.8	275
23	Phantom body pain in paraplegics: Evidence for a central "pattern generating mechanism" for pain. <i>Pain</i> , 1977, 4, 195-210.	2.0	274
24	Classification of clinical pain descriptions by multiple group discriminant analysis. <i>Experimental Neurology</i> , 1976, 51, 480-487.	2.0	256
25	Evolution of the Neuromatrix Theory of Pain. The Prithvi Raj Lecture: Presented at the Third World Congress of World Institute of Pain, Barcelona 2004. <i>Pain Practice</i> , 2005, 5, 85-94.	0.9	255
26	Nausea and vomiting during pregnancy: A prospective study of its frequency, intensity, and patterns of change. <i>American Journal of Obstetrics and Gynecology</i> , 2000, 182, 931-937.	0.7	251
27	Phantom limbs, the self and the brain (the D. O. Hebb Memorial Lecture).. <i>Canadian Psychology</i> , 1989, 30, 1-16.	1.4	216
28	The role of corticotropin-releasing factor in pain and analgesia. <i>Pain</i> , 2000, 84, 1-12.	2.0	215
29	Deafferentation and chronic pain in animals: An evaluation of evidence suggesting autotomy is related to pain. <i>Pain</i> , 1986, 26, 61-84.	2.0	212
30	The formalin test: a validation of the weighted-scores method of behavioural pain rating. <i>Pain</i> , 1993, 54, 43-50.	2.0	207
31	The effects of early experience on the response to pain.. <i>Journal of Comparative and Physiological Psychology</i> , 1957, 50, 155-161.	1.8	204
32	Transcutaneous electrical stimulation and acupuncture: Comparison of treatment for low-back pain. <i>Pain</i> , 1976, 2, 141-148.	2.0	201
33	Cutaneous hyperalgesia: contributions of the peripheral and central nervous systems to the increase in pain sensitivity after injury. <i>Brain Research</i> , 1987, 404, 95-106.	1.1	198
34	Meeting Abstracts Phantom Limb Pain. <i>Anesthesiology</i> , 1971, 35, 409-419.	1.3	197
35	The bee venom test: a new tonic-pain test. <i>Pain</i> , 1996, 66, 271-277.	2.0	197
36	Acute pain in an emergency clinic: Latency of onset and descriptor patterns related to different injuries. <i>Pain</i> , 1982, 14, 33-43.	2.0	189

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37	The Pain of Burns. <i>Journal of Trauma</i> , 1989, 29, 1531-1539.	2.3	179
38	Gate control theory. <i>Pain Forum</i> , 1996, 5, 128-138.	1.1	156
39	Morphine analgesia in the tail-flick and Formalin pain tests is mediated by different neural systems. <i>Experimental Neurology</i> , 1982, 75, 644-651.	2.0	154
40	Self-regulation of pain: The use of alpha-feedback and hypnotic training for the control of chronic pain. <i>Experimental Neurology</i> , 1975, 46, 452-469.	2.0	151
41	Pain modulation by adrenergic agents and morphine as measured by three pain tests. <i>Life Sciences</i> , 1980, 26, 1247-1259.	2.0	149
42	Central neural mediators of secondary hyperalgesia following heat injury in rats: Neuropeptides and excitatory amino acids. <i>Neuroscience Letters</i> , 1991, 131, 71-74.	1.0	145
43	EFFECTS OF DISCRETE BRAINSTEM LESIONS IN CATS ON PERCEPTION OF NOXIOUS STIMULATION. <i>Journal of Neurophysiology</i> , 1958, 21, 353-367.	0.9	131
44	Brainstem lesions dissociate neural mechanisms of morphine analgesia in different kinds of pain. <i>Brain Research</i> , 1982, 251, 149-155.	1.1	131
45	Pain: Past, present and future.. <i>Canadian Journal of Experimental Psychology</i> , 1993, 47, 615-629.	0.7	116
46	Psychophysiology of Pain. <i>International Anesthesiology Clinics</i> , 1970, 8, 3-34.	0.3	114
47	The role of compensation in chronic pain: Analysis using a new method of scoring the McGill pain questionnaire. <i>Pain</i> , 1985, 23, 101-112.	2.0	114
48	Pain on a surgical ward: a survey of the duration and intensity of pain and the effectiveness of medication. <i>Pain</i> , 1987, 29, 67-72.	2.0	114
49	Pain modulation by 5-hydroxytryptaminergic agents and morphine as measured by three pain tests. <i>Experimental Neurology</i> , 1980, 69, 260-270.	2.0	111
50	Trigeminal neuralgia and atypical facial pain: Use of the McGill pain questionnaire for discrimination and diagnosis. <i>Pain</i> , 1986, 27, 297-302.	2.0	111
51	Increased pain sensitivity following heat injury involves a central mechanism. <i>Behavioural Brain Research</i> , 1985, 15, 259-262.	1.2	108
52	Temporal processes of formalin pain: differential role of the cingulum bundle, fornix pathway and medial bulboreticular formation. <i>Pain</i> , 1992, 49, 257-271.	2.0	106
53	Injury Prior to Neurectomy Alters the Pattern of Autotomy in Rats Behavioral Evidence of Central Neural Plasticity. <i>Anesthesiology</i> , 1991, 75, 876-883.	1.3	105
54	Auricular transcutaneous electrical nerve stimulation (TENS) reduces phantom limb pain. <i>Journal of Pain and Symptom Management</i> , 1991, 6, 73-83.	0.6	105

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55	Analgesia produced by lidocaine microinjection into the dentate gyms. <i>Pain</i> , 1992, 49, 105-112.	2.0	105
56	Blocking NMDA Receptors in the Hippocampal Dentate Gyrus with AP5 Produces Analgesia in the Formalin Pain Test. <i>Experimental Neurology</i> , 2001, 172, 92-99.	2.0	101
57	Analgesia produced by injection of lidocaine into the anterior cingulum bundle of the rat. <i>Pain</i> , 1989, 39, 213-219.	2.0	99
58	Labour pain as a model of acute pain. <i>Pain</i> , 1993, 53, 117-120.	2.0	96
59	Properties of Complex Hallucinations Associated with Deficits in Vision. <i>Perception</i> , 1996, 25, 715-726.	0.5	96
60	Pain of first-trimester abortion: a study of psychosocial and medical predictors. <i>Pain</i> , 1989, 36, 339-350.	2.0	94
61	Pain. <i>Wiley Interdisciplinary Reviews: Cognitive Science</i> , 2013, 4, 1-15.	1.4	89
62	Morphine injected into the habenula and dorsal posteromedial thalamus produces analgesia in the formalin test. <i>Brain Research</i> , 1985, 359, 131-139.	1.1	88
63	Pain-signalling systems in the dorsal and ventral spinal cord. <i>Pain</i> , 1977, 4, 97-132.	2.0	84
64	Effects of peripheral antisympathetic treatments in the tail-flick, formalin and autotomy tests. <i>Pain</i> , 1984, 18, 13-23.	2.0	84
65	Age-related differences in the qualities but not the intensity of chronic pain. <i>Pain</i> , 2003, 104, 597-608.	2.0	77
66	Potential of Opioid Analgesia by Psychostimulant Drugs. <i>Journal of Pain and Symptom Management</i> , 1998, 16, 245-253.	0.6	76
67	Stimulation-produced analgesia: Evidence for somatotopic organization in the midbrain. <i>Brain Research</i> , 1982, 251, 301-311.	1.1	69
68	Stimulation-produced analgesia in rats: Assessment by two pain tests and correlation with self-stimulation. <i>Experimental Neurology</i> , 1980, 68, 295-309.	2.0	68
69	Labor pain: Effect of maternal position on front and back pain. <i>Journal of Pain and Symptom Management</i> , 1991, 6, 476-480.	0.6	67
70	Morphine analgesia and tolerance in the tail-flick and formalin tests: Dose-response relationships. <i>Pharmacology Biochemistry and Behavior</i> , 1982, 17, 1213-1219.	1.3	64
71	Habenular stimulation produces analgesia in the formalin test. <i>Neuroscience Letters</i> , 1986, 70, 165-169.	1.0	64
72	Phantom limbs and the body schema. <i>Canadian Anaesthetists' Society Journal</i> , 1974, 21, 267-274.	0.5	63

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73	The genesis of emotional behavior: an experimental study of the dog.. Journal of Comparative and Physiological Psychology, 1954, 47, 166-168.	1.8	62
74	Self-mutilation after dorsal rhizotomy in rats: Effects of prior pain and pattern of root lesions. Experimental Neurology, 1979, 65, 412-421.	2.0	62
75	Low-back pain during labor. American Journal of Obstetrics and Gynecology, 1987, 156, 901-905.	0.7	61
76	Responses Evoked at the Cortex by Tooth Stimulation. American Journal of Physiology, 1957, 190, 570-574.	5.0	55
77	Age Differences in the Quality of Chronic Pain: A Preliminary Study. Pain Research and Management, 1997, 2, 157-162.	0.7	55
78	Effects of early experience on social behaviour.. Canadian Journal of Psychology, 1956, 10, 82-90.	0.8	53
79	Unilateral analgesia produced by intraventricular morphine. Brain Research, 1984, 303, 277-287.	1.1	53
80	THE EFFECTS OF NITROUS OXIDE ON RESPONSES EVOKED IN THE BRAIN STEM BY TOOTH STIMULATION. Anesthesiology, 1957, 18, 183-194.	1.3	52
81	Effects of cholinergic and dopaminergic agents on pain and morphine analgesia measured by three pain tests. Experimental Neurology, 1983, 81, 167-176.	2.0	51
82	Analgesia produced by normal doses of opioid antagonists alone and in combination with morphine. Pain, 1989, 36, 103-109.	2.0	51
83	Labour pain: correlations with menstrual pain and acute low-back pain before and during pregnancy. Pain, 1989, 36, 225-229.	2.0	49
84	Age differences in the response to the formalin test in rats. Neurobiology of Aging, 1999, 20, 699-707.	1.5	48
85	The Psychological Assessment of Candidates for Spinal Cord Stimulation for Chronic Pain Management. Pain Practice, 2004, 4, 204-221.	0.9	48
86	Analgesia produced by stimulation of limbic structures and its relation to epileptiform after-discharges. Experimental Neurology, 1978, 62, 720-734.	2.0	47
87	Referred sensations in chronic pain patients. Pain, 1987, 28, 51-59.	2.0	47
88	Pain assessment in adult patients. , 2006, , 291-304.		47
89	Validation of the Short-Form McGill Pain Questionnaire-2 in Younger and Older People With Cancer Pain. Journal of Pain, 2014, 15, 756-770.	0.7	45
90	Amitriptyline produces analgesia in the formalin pain test. Experimental Neurology, 1992, 117, 94-96.	2.0	44

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91	Electrical stimulation of the cingulum bundle and surrounding cortical tissue reduces formalin-test pain in the rat. <i>Brain Research</i> , 1996, 743, 116-123.	1.1	43
92	Acute and chronic pain in hemophilia. <i>Pain</i> , 1987, 31, 317-331.	2.0	41
93	Systemic administration of naloxone produces analgesia in BALB/c mice in the formalin pain test. <i>Neuroscience Letters</i> , 1988, 84, 103-107.	1.0	41
94	The habenula and pain: Repeated electrical stimulation produces prolonged analgesia but lesions have no effect on formalin pain or morphine analgesia. <i>Behavioural Brain Research</i> , 1993, 54, 171-178.	1.2	39
95	9-16.	0.4	38
96	An association between phantom limb sensations and stump skin conductance during transcutaneous electrical nerve stimulation (TENS) applied to the contralateral leg: a case study. <i>Pain</i> , 1989, 36, 367-377.	2.0	38
97	Visual Hallucinations and Mental State. <i>Journal of Nervous and Mental Disease</i> , 1993, 181, 639-643.	0.5	33
98	Procedures which increase acute pain sensitivity also increase autotomy. <i>Experimental Neurology</i> , 1986, 92, 713-722.	2.0	30
99	Multiple Phantom Limbs in a Child. <i>Cortex</i> , 1992, 28, 503-507.	1.1	30
100	Auriculotherapy Fails to Relieve Chronic Pain. <i>JAMA - Journal of the American Medical Association</i> , 1984, 251, 1041.	3.8	27
101	Single nerve capsaicin: Effects on pain and morphine analgesia in the formalin and foot-flick tests. <i>Brain Research</i> , 1984, 295, 77-84.	1.1	27
102	Inflammation-Susceptible Lewis Rats Show Less Sensitivity Than Resistant Fischer Rats in the Formalin Inflammatory Pain Test and With Repeated Thermal Testing. <i>Journal of Neurophysiology</i> , 2006, 95, 2889-2897.	0.9	27
103	THE ROLE OF EARLY EXPERIENCE IN EMOTIONAL AROUSAL. <i>Annals of the New York Academy of Sciences</i> , 1969, 159, 721-730.	1.8	25
104	Long-Term Patterns of Morphine Dosage and Pain Intensity Among Cancer Patients. <i>Journal of Pain and Palliative Care Pharmacotherapy</i> , 1999, 14, 35-47.	0.2	25
105	Measurement of Pain. <i>Anesthesiology Clinics</i> , 1992, 10, 229-246.	1.4	24
106	Psychostimulant Drugs Potentiate Morphine Analgesia in the Formalin Test. <i>Journal of Pain and Symptom Management</i> , 1998, 16, 230-239.	0.6	23
107	Pain in the 21st Century: The Neuromatrix and Beyond. , 2006, , 129-148.		22
108	The role of the cingulum bundle in self-mutilation following peripheral neurectomy in the rat. <i>Experimental Neurology</i> , 1991, 111, 131-134.	2.0	21

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109	Behavioral evidence in rats for a peptidergic-noradrenergic interaction in cutaneous sensory and vascular function. <i>Neuroscience Letters</i> , 1984, 47, 113-118.	1.0	20
110	Autotomy after nerve sections in the rat is influenced by tonic descending inhibition from locus coeruleus. <i>Neuroscience Letters</i> , 1986, 67, 82-86.	1.0	20
111	Analgesic and aversive effects of naloxone in BALB/c mice. <i>Experimental Neurology</i> , 1992, 117, 216-218.	2.0	20
112	Restraint Reduces Formalin-Test Pain but the Effect Is Not Influenced by Lesions of the Hypothalamic Paraventricular Nucleus. <i>Experimental Neurology</i> , 1996, 139, 299-305.	2.0	20
113	The Assessment of Pain in the Elderly. , 1997, , 69-96.		20
114	Pain in psychotic patients. <i>Experimental Neurology</i> , 1976, 52, 535-543.	2.0	19
115	Letter to the Editor. <i>Pain</i> , 1985, 23, 201-203.	2.0	19
116	Analgesia Induced by Morphine Microinjection into the Lateral Hypothalamus of the Rat. <i>Experimental Neurology</i> , 1995, 134, 277-280.	2.0	19
117	Lack of Evidence for Age Differences in Pain Beliefs. <i>Pain Research and Management</i> , 1997, 2, 19-28.	0.7	19
118	Measurement of nausea. <i>Journal of Pain and Symptom Management</i> , 1989, 4, 157-160.	0.6	17
119	The future of pain. <i>Nature Reviews Drug Discovery</i> , 2008, 7, 629-629.	21.5	17
120	The bee venom test: comparisons with the formalin test and with injection of different venoms. <i>Pain</i> , 2000, 84, 111-112.	2.0	11
121	Perspectives on Phylogenetic Evolution of Pain Expression. , 1983, , 151-160.		10
122	Hypophysectomy Produces Analgesia and Paraventricular Lesions Have No Effect on Formalin-Induced Pain. <i>Experimental Neurology</i> , 1995, 135, 74-79.	2.0	7
123	Positive intrasurgical suggestion fails to affect postsurgical pain. <i>Journal of Pain and Symptom Management</i> , 1996, 11, 103-107.	0.6	7
124	Pain in the elderly. , 2006, , 1169-1179.		7
125	Pain theory: exceptions to the rule. <i>Behavioral and Brain Sciences</i> , 1980, 3, 313-313.	0.4	6
126	Autotomy following sciatic and saphenous nerve sections: Spraying of the medial toes after treatment of the sciatic nerve with capsaicin. <i>Experimental Neurology</i> , 1986, 91, 355-365.	2.0	6

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127	Sensory modulation of pain. <i>International Rehabilitation Medicine</i> , 1979, 1, 111-115.	0.6	5
128	Acute amitriptyline treatment produces non-opioid-mediated analgesia in the formalin and bee venom tests. <i>Pathophysiology</i> , 1996, 3, 227-231.	1.0	5
129	Pain and parallel processing. <i>Behavioral and Brain Sciences</i> , 1985, 8, 67-68.	0.4	4
130	Dissociable effects of lidocaine injection into medial versus lateral thalamus in tail-flick and formalin pain tests. <i>Pathophysiology</i> , 1994, 1, 205-214.	1.0	4
131	Introduction: the pain revolution. , 2003, , 1-9.		4
132	Pain and the brain. <i>APS Journal</i> , 1993, 2, 172-174.	0.2	2
133	Amputation and phantom limb pain. , 2001, , 548-550.		2
134	Hyperstimulation Analgesia. <i>Clinics in Anaesthesiology</i> , 1985, 3, 81-92.	0.2	2
135	Acupuncture and Transcutaneous Electrical Nerve Stimulation. <i>Acupuncture in Medicine</i> , 1986, 3, 8-10.	0.4	1
136	PAIN MECHANISMS: RECENT RESEARCH. <i>Acupuncture and Electro-Therapeutics Research</i> , 1978, 3, 109-112.	0.0	1
137	A Conceptual Framework for Understanding Pain in the Human. , 2007, , 3-10.		1
138	Comments on Detweiler et al. (pain 63 (1995) 251-254). <i>Pain</i> , 1996, 67, 220-223.	2.0	0
139	Evaluación del dolor en pacientes adultos. , 2007, , 295-308.		0
140	Pain, Assessment of. , 2003, , 716-722.		0
141	Mm. , 2004, , 160-172.		0
142	Gg. , 2004, , 118-124.		0
143	El dolor en los ancianos. , 2007, , 1201-1212.		0