

Pierre Rainville

List of Publications by Year in descending order

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Version: 2024-02-01

133
papers

11,967
citations

47006

47
h-index

27406

106
g-index

140
all docs

140
docs citations

140
times ranked

9147
citing authors

#	ARTICLE	IF	CITATIONS
1	Hypnosis and music interventions for anxiety, pain, sleep and well-being in palliative care: systematic review and meta-analysis. <i>BMJ Supportive and Palliative Care</i> , 2023, 13, e503-e514.	1.6	2
2	Feasibility and acceptability of hypnosis-derived communication administered by trained nurses to improve patient well-being during outpatient chemotherapy: a pilot-controlled trial. <i>Supportive Care in Cancer</i> , 2022, 30, 765-773.	2.2	3
3	Long-Term Efficacy of a Home-Care Hypnosis Program in Elderly Persons Suffering From Chronic Pain: A 12-Month Follow-Up. <i>Pain Management Nursing</i> , 2022, 23, 330-337.	0.9	7
4	Multimodal Interventions Including Rehabilitation Exercise for Older Adults With Chronic Musculoskeletal Pain: A Systematic Review and Meta-analyses of Randomized Controlled Trials. <i>Journal of Geriatric Physical Therapy</i> , 2022, 45, 34-49.	1.1	10
5	Hypnosis to manage musculoskeletal and neuropathic chronic pain: A systematic review and meta-analysis. <i>Neuroscience and Biobehavioral Reviews</i> , 2022, 135, 104591.	6.1	24
6	Effect of personalized musical intervention on burden of care in dental implant surgery: A pilot randomized controlled trial. <i>Journal of Dentistry</i> , 2022, 120, 104091.	4.1	4
7	The neural signature of the decision value of future pain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	8
8	Immersive virtual reality vs. non-immersive distraction for pain management of children during bone pins and sutures removal: A randomized clinical trial protocol. <i>Journal of Advanced Nursing</i> , 2021, 77, 439-447.	3.3	22
9	Spinal and supraspinal modulation of pain responses by hypnosis, suggestions, and distraction. <i>American Journal of Clinical Hypnosis</i> , 2021, 63, 329-354.	0.6	3
10	Effects of Brief Mindfulness Interventions on the Interference Induced by Experimental Heat Pain on Cognition in Healthy Individuals. <i>Frontiers in Pain Research</i> , 2021, 2, 673027.	2.0	2
11	The Stressful Characteristics of Pain That Drive You NUTS: A Qualitative Exploration of a Stress Model to Understand the Chronic Pain Experience. <i>Pain Medicine</i> , 2021, 22, 1095-1108.	1.9	4
12	Stress and Pain Before, During and After the First Wave of the COVID-19 Pandemic: An Exploratory Longitudinal Mixed Methods Study. <i>Frontiers in Pain Research</i> , 2021, 2, 725893.	2.0	1
13	Brain Responses to Hypnotic Verbal Suggestions Predict Pain Modulation. <i>Frontiers in Pain Research</i> , 2021, 2, 757384.	2.0	3
14	Hypnosis Program Effectiveness in a 12-week Home Care Intervention To Manage Chronic Pain in Elderly Women: A Pilot Trial. <i>Clinical Therapeutics</i> , 2020, 42, 221-229.	2.5	13
15	Mindfulness induction and cognition: A systematic review and meta-analysis. <i>Consciousness and Cognition</i> , 2020, 84, 102991.	1.5	44
16	Distinct fMRI patterns colocalized in the cingulate cortex underlie the after-effects of cognitive control on pain. <i>NeuroImage</i> , 2020, 217, 116898.	4.2	18
17	Keeping an eye on pain expression in primary somatosensory cortex. <i>NeuroImage</i> , 2020, 217, 116885.	4.2	13
18	The Effect of Age and Pain on Quantitative Sensory Testing Measurements After Moderate-to-Severe Traumatic Brain Injury: Preliminary Findings. <i>Biological Research for Nursing</i> , 2020, 22, 341-353.	1.9	1

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19	Chronic Central Pain Among Community-Dwelling Survivors of Moderate-to-Severe Traumatic Brain Injury: A Quantitative Sensory Testing Study. <i>Biological Research for Nursing</i> , 2019, 21, 519-531.	1.9	5
20	Hypnotic Automaticity in the Brain at Rest: An Arterial Spin Labelling Study. <i>International Journal of Clinical and Experimental Hypnosis</i> , 2019, 67, 512-542.	1.8	10
21	A meta-analysis of neuroimaging studies on pain empathy: investigating the role of visual information and observers' perspective. <i>Social Cognitive and Affective Neuroscience</i> , 2019, 14, 789-813.	3.0	88
22	Placebo analgesia persists during sleep: An experimental study. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2018, 85, 33-38.	4.8	7
23	Inhibition of Pain and Pain-Related Brain Activity by Heterotopic Noxious Counter-Stimulation and Selective Attention in Chronic Non-Specific Low Back Pain. <i>Neuroscience</i> , 2018, 387, 201-213.	2.3	16
24	Cross-sectional and Prospective Correlates of Recovery Expectancies in the Rehabilitation of Whiplash Injury. <i>Clinical Journal of Pain</i> , 2018, 34, 306-312.	1.9	7
25	Validation of an index of Sensitivity to Movement-Evoked Pain in patients with whiplash injuries. <i>Pain Reports</i> , 2018, 3, e661.	2.7	10
26	Multicenter assessment of quantitative sensory testing (QST) for the detection of neuropathic-like pain responses using the topical capsaicin model. <i>Canadian Journal of Pain</i> , 2018, 2, 266-279.	1.7	10
27	Reduced Fear-Conditioned Pain Modulation in Experienced Meditators: A Preliminary Study. <i>Psychosomatic Medicine</i> , 2018, 80, 799-806.	2.0	11
28	The Role of Sleep in Learning Placebo Effects. <i>International Review of Neurobiology</i> , 2018, 139, 321-355.	2.0	6
29	Long-range temporal correlations in the brain distinguish conscious wakefulness from induced unconsciousness. <i>NeuroImage</i> , 2018, 179, 30-39.	4.2	21
30	Test-retest reliability of myelin imaging in the human spinal cord: Measurement errors versus region- and aging-induced variations. <i>PLoS ONE</i> , 2018, 13, e0189944.	2.5	20
31	Sex, Age, Symptoms and Illness Duration and Their Relation with Gyrfication Index in Schizophrenia. <i>Clinical Schizophrenia and Related Psychoses</i> , 2018, 12, 57-68.	1.4	4
32	The Corticocortical Structural Connectivity of the Human Insula. <i>Cerebral Cortex</i> , 2017, 27, 1216-1228.	2.9	210
33	Learned expectations and uncertainty facilitate pain during classical conditioning. <i>Pain</i> , 2017, 158, 1528-1537.	4.2	16
34	Brain processing of the temporal dimension of acute pain in short-term memory. <i>Pain</i> , 2017, 158, 2001-2011.	4.2	6
35	Sensitivity to Movement-Evoked Pain and Multi-Site Pain are Associated with Work-Disability Following Whiplash Injury: A Cross-Sectional Study. <i>Journal of Occupational Rehabilitation</i> , 2017, 27, 413-421.	2.2	17
36	Expectations predict chronic pain treatment outcomes. <i>Pain</i> , 2016, 157, 329-338.	4.2	128

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37	Effects of insular stimulation on thermal nociception. <i>European Journal of Pain</i> , 2016, 20, 800-810.	2.8	37
38	The delayed reproduction of long time intervals defined by innocuous thermal sensation. <i>Experimental Brain Research</i> , 2016, 234, 1095-1104.	1.5	4
39	Multiple faces of pain: effects of chronic pain on the brain regulation of facial expression. <i>Pain</i> , 2016, 157, 1819-1830.	4.2	19
40	Efficient information for recognizing pain in facial expressions. <i>European Journal of Pain</i> , 2015, 19, 852-860.	2.8	24
41	Is temporal summation of pain and spinal nociception altered during normal aging?. <i>Pain</i> , 2015, 156, 1945-1953.	4.2	17
42	Negative childhood experiences alter a prefrontal-insular-motor cortical network in healthy adults: A preliminary multimodal rsfMRI-fMRI-MRS-dMRI study. <i>Human Brain Mapping</i> , 2015, 36, 4622-4637.	3.6	70
43	Selective REM Sleep Deprivation Improves Expectation-Related Placebo Analgesia. <i>PLoS ONE</i> , 2015, 10, e0144992.	2.5	16
44	White matter atlas of the human spinal cord with estimation of partial volume effect. <i>NeuroImage</i> , 2015, 119, 262-271.	4.2	94
45	Mirroring Pain in the Brain: Emotional Expression versus Motor Imitation. <i>PLoS ONE</i> , 2015, 10, e0107526.	2.5	21
46	Serial processing in primary and secondary somatosensory cortex: A DCM analysis of human fMRI data in response to innocuous and noxious electrical stimulation. <i>Neuroscience Letters</i> , 2014, 577, 83-88.	2.1	26
47	Reduced pain inhibition is associated with reduced cognitive inhibition in healthy aging. <i>Pain</i> , 2014, 155, 494-502.	4.2	52
48	Attention effects on vicarious modulation of nociception and pain. <i>Pain</i> , 2014, 155, 2033-2039.	4.2	15
49	Remembering the dynamic changes in pain intensity and unpleasantness: A psychophysical study. <i>Pain</i> , 2014, 155, 581-590.	4.2	12
50	Self-regulation of acute experimental pain with and without biofeedback using spinal nociceptive responses. <i>Neuroscience</i> , 2013, 231, 102-110.	2.3	8
51	Expectations Modulate Heterotopic Noxious Counter-Stimulation Analgesia. <i>Journal of Pain</i> , 2013, 14, 114-125.	1.4	36
52	After-effects of cognitive control on pain. <i>European Journal of Pain</i> , 2013, 17, 1225-1233.	2.8	23
53	The Two Sides of Pain Communication: Effects of Pain Expressiveness on Vicarious Brain Responses Revealed in Chronic Back Pain Patients. <i>Journal of Pain</i> , 2013, 14, 1407-1415.	1.4	7
54	A Refined Examination of the Facial Cues Contributing to Vicarious Effects on Self-Pain and Spinal Responses. <i>Journal of Pain</i> , 2013, 14, 1475-1484.	1.4	7

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55	Pain modulation induced by respiration: Phase and frequency effects. <i>Neuroscience</i> , 2013, 252, 501-511.	2.3	32
56	Thicker Posterior Insula Is Associated With Disease Duration in Women With Irritable Bowel Syndrome (IBS) Whereas Thicker Orbitofrontal Cortex Predicts Reduced Pain Inhibition in Both IBS Patients and Controls. <i>Journal of Pain</i> , 2013, 14, 1217-1226.	1.4	56
57	Cortical thickness, mental absorption and meditative practice: Possible implications for disorders of attention. <i>Biological Psychology</i> , 2013, 92, 275-281.	2.2	72
58	GABAA Receptors Predict Aversion-Related Brain Responses: An fMRI-PET Investigation in Healthy Humans. <i>Neuropsychopharmacology</i> , 2013, 38, 1438-1450.	5.4	21
59	The stress model of chronic pain: evidence from basal cortisol and hippocampal structure and function in humans. <i>Brain</i> , 2013, 136, 815-827.	7.6	208
60	Acute Stress Contributes to Individual Differences in Pain and Pain-Related Brain Activity in Healthy and Chronic Pain Patients. <i>Journal of Neuroscience</i> , 2013, 33, 6826-6833.	3.6	80
61	Top-down attentional modulation of analgesia induced by heterotopic noxious counterstimulation. <i>Pain</i> , 2012, 153, 1755-1762.	4.2	31
62	The Role of Gender in the Interaction Between Self-Pain and the Perception of Pain in Others. <i>Journal of Pain</i> , 2012, 13, 695-703.	1.4	36
63	Spinal modulation of nociception by music. <i>European Journal of Pain</i> , 2012, 16, 870-877.	2.8	47
64	Neural processing of sensory and emotional-communicative information associated with the perception of vicarious pain. <i>NeuroImage</i> , 2012, 63, 54-62.	4.2	64
65	Reduction of physiological noise with independent component analysis improves the detection of nociceptive responses with fMRI of the human spinal cord. <i>NeuroImage</i> , 2012, 63, 245-252.	4.2	22
66	Dispositional empathy modulates vicarious effects of dynamic pain expressions on spinal nociception, facial responses and acute pain. <i>European Journal of Neuroscience</i> , 2012, 35, 271-278.	2.6	35
67	Are both the sensory and the affective dimensions of pain encoded in the face?. <i>Pain</i> , 2012, 153, 350-358.	4.2	73
68	Decreased pain inhibition in irritable bowel syndrome depends on altered descending modulation and higher-order brain processes. <i>Neuroscience</i> , 2011, 195, 166-175.	2.3	64
69	Operant Conditioning of Facial Displays of Pain. <i>Psychosomatic Medicine</i> , 2011, 73, 422-431.	2.0	33
70	A non-elaborative mental stance and decoupling of executive and pain-related cortices predicts low pain sensitivity in Zen meditators. <i>Pain</i> , 2011, 152, 150-156.	4.2	231
71	The multilevel organization of vicarious pain responses: Effects of pain cues and empathy traits on spinal nociception and acute pain. <i>Pain</i> , 2011, 152, 1525-1531.	4.2	50
72	Sex differences in perceived pain are affected by an anxious brain. <i>Pain</i> , 2011, 152, 2065-2073.	4.2	47

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73	The modulation of pain by attention and emotion: A dissociation of perceptual and spinal nociceptive processes. <i>European Journal of Pain</i> , 2011, 15, 641.e1-10.	2.8	41
74	A biopsychosocial formulation of pain communication.. <i>Psychological Bulletin</i> , 2011, 137, 910-939.	6.1	364
75	Cerebral Regulation of Facial Expressions of Pain. <i>Journal of Neuroscience</i> , 2011, 31, 8730-8738.	3.6	65
76	Chapitre 3. Traduire les changements psychothérapeutiques en termes neuropsychologiques. , 2011, , 56-74.		0
77	Changes in Spinal Reflex Excitability Associated With Motor Sequence Learning. <i>Journal of Neurophysiology</i> , 2010, 103, 2675-2683.	1.8	18
78	Widespread hypersensitivity is related to altered pain inhibition processes in irritable bowel syndrome. <i>Pain</i> , 2010, 148, 49-58.	4.2	103
79	Dissection of perceptual, motor and autonomic components of brain activity evoked by noxious stimulation. <i>Pain</i> , 2010, 149, 453-462.	4.2	65
80	Relief Expectation and Sleep. <i>Reviews in the Neurosciences</i> , 2010, 21, 381-95.	2.9	5
81	Brain responses to facial expressions of pain: Emotional or motor mirroring?. <i>NeuroImage</i> , 2010, 53, 355-363.	4.2	78
82	Cortical thickness and pain sensitivity in zen meditators.. <i>Emotion</i> , 2010, 10, 43-53.	1.8	282
83	Differential Effects of Cognitive Demand on Human Cortical Activation Associated With Vibrotactile Stimulation. <i>Journal of Neurophysiology</i> , 2009, 102, 1623-1631.	1.8	18
84	Cerebral and spinal modulation of pain by emotions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 20900-20905.	7.1	214
85	Changes in Rapid Eye Movement Sleep Associated with Placebo-Induced Expectations and Analgesia. <i>Journal of Neuroscience</i> , 2009, 29, 11745-11752.	3.6	23
86	Cerebral and Cerebrospinal Processes Underlying Counterirritation Analgesia. <i>Journal of Neuroscience</i> , 2009, 29, 14236-14246.	3.6	142
87	Characterization of cardiac-related noise in fMRI of the cervical spinal cord. <i>Magnetic Resonance Imaging</i> , 2009, 27, 300-310.	1.8	58
88	Hypnotizability and Opinions About Hypnosis in a Clinical Trial for the Hypnotic Control of Pain and Anxiety During Pregnancy Termination. <i>International Journal of Clinical and Experimental Hypnosis</i> , 2009, 58, 82-101.	1.8	16
89	Effects of cardiopulmonary baroreceptor activation on pain may be moderated by risk for hypertension. <i>Biological Psychology</i> , 2009, 82, 195-197.	2.2	11
90	Women's Views Regarding Hypnosis for the Control of Surgical Pain in the Context of a Randomized Clinical Trial. <i>Journal of Women's Health</i> , 2009, 18, 1441-1447.	3.3	8

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91	Brain activity associated with the electrodermal reactivity to acute heat pain. <i>NeuroImage</i> , 2009, 45, 169-180.	4.2	105
92	Pain Sensitivity and Analgesic Effects of Mindful States in Zen Meditators: A Cross-Sectional Study. <i>Psychosomatic Medicine</i> , 2009, 71, 106-114.	2.0	163
93	Hypnotic analgesia intervention during first-trimester pregnancy termination: an open randomized trial. <i>American Journal of Obstetrics and Gynecology</i> , 2008, 199, 469.e1-469.e9.	1.3	36
94	Ipsilateral cortical representation of tactile and painful information in acallosal and callosotomized subjects. <i>Neuropsychologia</i> , 2008, 46, 2274-2279.	1.6	12
95	Role of tempo entrainment in psychophysiological differentiation of happy and sad music?. <i>International Journal of Psychophysiology</i> , 2008, 68, 17-26.	1.0	158
96	Emotional valence contributes to music-induced analgesia. <i>Pain</i> , 2008, 134, 140-147.	4.2	177
97	Recognition and discrimination of prototypical dynamic expressions of pain and emotions. <i>Pain</i> , 2008, 135, 55-64.	4.2	203
98	Hypnosis and the analgesic effect of suggestions. <i>Pain</i> , 2008, 134, 1-2.	4.2	23
99	The relation between catastrophizing and facial responsiveness to pain. <i>Pain</i> , 2008, 140, 127-134.	4.2	41
100	Response to the "Letter to the Editor of Pain" by Prof. Mick Sullivan. <i>Pain</i> , 2008, 140, 521-522.	4.2	0
101	Hypnotic Induction and Therapeutic Suggestions in First-Trimester Pregnancy Termination. <i>International Journal of Clinical and Experimental Hypnosis</i> , 2008, 56, 214-228.	1.8	6
102	Memory Traces of Pain in Human Cortex. <i>Journal of Neuroscience</i> , 2007, 27, 4612-4620.	3.6	75
103	Descending analgesia "When the spine echoes what the brain expects. <i>Pain</i> , 2007, 130, 137-143.	4.2	243
104	Cerebral regulation of autonomic and nociceptive reflexes induced by electrical stimulation of the sural nerve in fMRI. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2007, 135, 78-79.	2.8	0
105	The use of hypnosis to improve pain management during voluntary interruption of pregnancy: an open randomized preliminary study. <i>Contraception</i> , 2007, 75, 52-58.	1.5	32
106	Reducci3n del dolor mediante hipnosis. , 2007, , 335-344.		0
107	Basic emotions are associated with distinct patterns of cardiorespiratory activity. <i>International Journal of Psychophysiology</i> , 2006, 61, 5-18.	1.0	386
108	Functional brain imaging of placebo analgesia: Methodological challenges and recommendations. <i>Pain</i> , 2006, 121, 177-180.	4.2	23

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109	Brain responses to dynamic facial expressions of pain. <i>Pain</i> , 2006, 126, 309-318.	4.2	127
110	To what extent do we share the pain of others? Insight from the neural bases of pain empathy. <i>Pain</i> , 2006, 125, 5-9.	4.2	265
111	Direct Comparison of Placebo Effects on Clinical and Experimental Pain. <i>Clinical Journal of Pain</i> , 2006, 22, 204-211.	1.9	79
112	Hypnotic analgesia. , 2006, , 329-338.		2
113	Attenuation of Sensory and Affective Responses to Heat Pain: Evidence for Contralateral Mechanisms. <i>Journal of Neurophysiology</i> , 2005, 94, 3509-3515.	1.8	13
114	Hypnosis and meditation: Similar experiential changes and shared brain mechanisms. <i>Medical Hypotheses</i> , 2005, 65, 625-626.	1.5	16
115	Pain-related emotions modulate experimental pain perception and autonomic responses. <i>Pain</i> , 2005, 118, 306-318.	4.2	260
116	Establishing a Link Between Heart Rate and Pain in Healthy Subjects: A Gender Effect. <i>Journal of Pain</i> , 2005, 6, 341-347.	1.4	137
117	Rapid deterioration of pain sensory-discriminative information in short-term memory. <i>Pain</i> , 2004, 110, 605-615.	4.2	47
118	Hypnosis Phenomenology and the Neurobiology of Consciousness. <i>International Journal of Clinical and Experimental Hypnosis</i> , 2003, 51, 105-129.	1.8	98
119	Hypnosis Modulates Activity in Brain Structures Involved in the Regulation of Consciousness. <i>Journal of Cognitive Neuroscience</i> , 2002, 14, 887-901.	2.3	328
120	Measurement, time-stamping, and analysis of electrodermal activity in fMRI. , 2002, 4683, 470.		0
121	Brain mechanisms of pain affect and pain modulation. <i>Current Opinion in Neurobiology</i> , 2002, 12, 195-204.	4.2	542
122	Integrating experientialâ€“phenomenological methods and neuroscience to study neural mechanisms of pain and consciousness. <i>Consciousness and Cognition</i> , 2002, 11, 593-608.	1.5	37
123	Effects of stress and relaxation on capsaicin-induced pain. <i>Journal of Pain</i> , 2001, 2, 160-170.	1.4	32
124	Cortical Representation of the Sensory Dimension of Pain. <i>Journal of Neurophysiology</i> , 2001, 86, 402-411.	1.8	549
125	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.	3.8	50
126	ReprÃ©sentation cÃ©rÃ©brale de l'expÃ©rience subjective de la douleur chez l'homme.. <i>Medecine/Sciences</i> , 2000, 16, 519.	0.2	5

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127	Cerebral Mechanisms of Hypnotic Induction and Suggestion. <i>Journal of Cognitive Neuroscience</i> , 1999, 11, 110-125.	2.3	406
128	Psychophysical study of noxious and innocuous cold discrimination in monkey. <i>Experimental Brain Research</i> , 1999, 125, 28-34.	1.5	17
129	Dissociation of sensory and affective dimensions of pain using hypnotic modulation. <i>Pain</i> , 1999, 82, 159-171.	4.2	432
130	Pain Affect Encoded in Human Anterior Cingulate But Not Somatosensory Cortex. <i>Science</i> , 1997, 277, 968-971.	12.6	2,427
131	Noxious and innocuous cold discrimination in humans: evidence for separate afferent channels. <i>Pain</i> , 1996, 68, 33-43.	4.2	55
132	A Psychophysical Comparison of Sensory and Affective Responses to Four Modalities of Experimental Pain. <i>Somatosensory & Motor Research</i> , 1992, 9, 265-277.	0.9	325
133	Development of a Mixed Hypnosis and Music Intervention Program for the Management of Pain, Anxiety, and Wellbeing in End-of-Life Palliative Care. <i>Frontiers in Pain Research</i> , 0, 3, .	2.0	1