

# Pedro Montoya

## List of Publications by Year in descending order

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125  
papers

5,515  
citations

116194

36  
h-index

100535

70  
g-index

131  
all docs

131  
docs citations

131  
times ranked

7085  
citing authors

#	ARTICLE	IF	CITATIONS
1	An Educational and Exercise Mobile Phone-Based Intervention to Elicit Electrophysiological Changes and to Improve Psychological Functioning in Adults With Nonspecific Chronic Low Back Pain (BackFit) Tj ETQq1 1 0.384314 r/gBT /Over	1.2	3
2	Tonic pain reduces autonomic responses and EEG functional connectivity elicited by affective stimuli. <i>Psychophysiology</i> , 2022, 59, e14018.	1.2	3
3	EEG-heart rate connectivity changes after sensorimotor rhythm neurofeedback training: Ancillary study. <i>Neurophysiologie Clinique</i> , 2022, 52, 58-68.	1.0	0
4	Differences in Postural Balance, Pain Sensitivity and Depression between Individuals with Acute and Chronic Back Pain. <i>Journal of Clinical Medicine</i> , 2022, 11, 2700.	1.0	2
5	Central nervous activity during a dot probe task with facial expressions in fibromyalgia. <i>Biological Psychology</i> , 2022, 172, 108361.	1.1	3
6	Alteration of Emotion Knowledge and Its Relationship with Emotion Regulation and Psychopathological Behavior in Children with Cerebral Palsy. <i>Journal of Autism and Developmental Disorders</i> , 2021, 51, 1238-1248.	1.7	5
7	Pain and Communication in Children with Cerebral Palsy: Influence on Parents' Perception of Family Impact and Healthcare Satisfaction. <i>Children</i> , 2021, 8, 87.	0.6	4
8	Acute Effects of a Brief Physical Exercise Intervention on Somatosensory Perception, Lumbar Strength, and Flexibility in Patients with Nonspecific Chronic Low-Back Pain. <i>Journal of Pain Research</i> , 2021, Volume 14, 487-500.	0.8	8
9	Autonomous nervous system regulation of pain in children with cerebral palsy. <i>Brain Injury</i> , 2021, 35, 356-362.	0.6	2
10	A Comparison of the Effect of Two Types of Whole Body Vibration Platforms on Fibromyalgia. A Randomized Controlled Trial. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 3007.	1.2	6
11	Cognition and chronic pain: an analysis on community-dwelling elderly caregivers and non-caregivers. <i>Arquivos De Neuro-Psiquiatria</i> , 2021, 79, 201-208.	0.3	3
12	Intact pain modulation through manipulation of controllability and expectations in aging. <i>European Journal of Pain</i> , 2021, 25, 1472-1481.	1.4	2
13	Effect of Social Support in Pain Sensitivity in Children with Cerebral Palsy and Typically Developing Children. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 4661.	1.2	1
14	Central nervous activity during implicit processing of emotional face expressions in fibromyalgia syndrome. <i>Brain Research</i> , 2021, 1758, 147333.	1.1	8
15	The Therapeutic Effects of Whole-Body Vibration in Patients With Fibromyalgia. A Randomized Controlled Trial. <i>Frontiers in Neurology</i> , 2021, 12, 658383.	1.1	3
16	Anterior Cingulate Cortex Activity During Rest Is Related to Alterations in Pain Perception in Aging. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 695200.	1.7	5
17	Somatosensory Gating Is Modulated by Anodal Transcranial Direct Current Stimulation. <i>Frontiers in Neuroscience</i> , 2021, 15, 651253.	1.4	1
18	Influence of chronic pain on cognitive performance in elderly caregivers: a longitudinal study. <i>Revista Brasileira De Enfermagem</i> , 2021, 74, e20200412.	0.2	3

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19	An Observational Study Comparing Fibromyalgia and Chronic Low Back Pain in Somatosensory Sensitivity, Motor Function and Balance. <i>Healthcare (Switzerland)</i> , 2021, 9, 1533.	1.0	6
20	Distraction from pain: The role of selective attention and pain catastrophizing. <i>European Journal of Pain</i> , 2020, 24, 1880-1891.	1.4	30
21	Chronic Pain Diagnosis Using Machine Learning, Questionnaires, and QST: A Sensitivity Experiment. <i>Diagnostics</i> , 2020, 10, 958.	1.3	13
22	Alterations in Neural Responses and Pain Perception in Older Adults During Distraction. <i>Psychosomatic Medicine</i> , 2020, 82, 869-876.	1.3	5
23	Age-Related Changes in Pain Perception Are Associated With Altered Functional Connectivity During Resting State. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 116.	1.7	36
24	Self-Regulation of SMR Power Led to an Enhancement of Functional Connectivity of Somatomotor Cortices in Fibromyalgia Patients. <i>Frontiers in Neuroscience</i> , 2020, 14, 236.	1.4	12
25	Dispositional empathy is associated with experimental pain reduction during provision of social support by romantic partners. <i>Scandinavian Journal of Pain</i> , 2019, 20, 205-209.	0.5	9
26	Experience-dependent neuroplasticity in trained musicians modulates the effects of chronic pain on insula-based networks – A resting-state fMRI study. <i>NeuroImage</i> , 2019, 202, 116103.	2.1	11
27	Time Course of the Neural Activity Related to Behavioral Decision-Making as Revealed by Event-Related Potentials. <i>Frontiers in Behavioral Neuroscience</i> , 2019, 13, 191.	1.0	10
28	Reduced brain processing of affective pictures in children with cerebral palsy. <i>Research in Developmental Disabilities</i> , 2019, 94, 103457.	1.2	3
29	Power Spectral Density and Functional Connectivity Changes due to a Sensorimotor Neurofeedback Training: A Preliminary Study. <i>Neural Plasticity</i> , 2019, 2019, 1-12.	1.0	8
30	The Relationship Between Heart Rate Variability and Electroencephalography Functional Connectivity Variability Is Associated With Cognitive Flexibility. <i>Frontiers in Human Neuroscience</i> , 2019, 13, 64.	1.0	19
31	Using Deep Learning and Resting-State fMRI to Classify Chronic Pain Conditions. <i>Frontiers in Neuroscience</i> , 2019, 13, 1313.	1.4	32
32	Pre- and postoperative predictors of phantom limb pain. <i>Neuroscience Letters</i> , 2019, 702, 44-50.	1.0	36
33	On multifractals: A non-linear study of actigraphy data. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 514, 612-619.	1.2	11
34	Reduction of Pain Sensitivity after Somatosensory Therapy in Children with Autism Spectrum Disorders. <i>Journal of Abnormal Child Psychology</i> , 2018, 46, 1731-1740.	3.5	11
35	Parents and Physiotherapists Recognition of Non-Verbal Communication of Pain in Individuals with Cerebral Palsy. <i>Health Communication</i> , 2018, 33, 1448-1453.	1.8	6
36	Self-myofascial vibro-shearing: A randomized controlled trial of biomechanical and related changes in male breakdancers. <i>Journal of Bodywork and Movement Therapies</i> , 2018, 22, 852.	0.5	0

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37	Vibration based shearing technique (vibro-shearing) versus rolling technique in terms of tissue hydration, stiffness, elasticity, and thermography: A double controlled, standardized study. <i>Journal of Bodywork and Movement Therapies</i> , 2018, 22, 854.	0.5	2
38	Design and Validation of an FPGA-Based Configurable Transcranial Doppler Neurofeedback System for Chronic Pain Patients. <i>Sensors</i> , 2018, 18, 2278.	2.1	2
39	Emotional Influences on Cognitive Processing in Fibromyalgia Patients With Different Depression Levels. <i>Clinical Journal of Pain</i> , 2018, 34, 1106-1113.	0.8	11
40	Influence of chronic pain in physical activity of children with cerebral palsy. <i>NeuroRehabilitation</i> , 2018, 43, 113-123.	0.5	10
41	Self-Myofascial Vibro-Shearing: a Randomized Controlled Trial of Biomechanical and Related Changes in Male Breakdancers. <i>Sports Medicine - Open</i> , 2018, 4, 13.	1.3	3
42	Inhibitory Control Impairment on Somatosensory Gating Due to Aging: An Event-Related Potential Study. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 280.	1.0	12
43	Head movement measurement: An alternative method for posturography studies. <i>Gait and Posture</i> , 2017, 52, 100-106.	0.6	15
44	Insula-based networks in professional musicians: Evidence for increased functional connectivity during resting state fMRI. <i>Human Brain Mapping</i> , 2017, 38, 4834-4849.	1.9	45
45	Altered Functional Performance in Patients with Fibromyalgia. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 14.	1.0	54
46	Does Transcranial Direct Current Stimulation Combined with Peripheral Electrical Stimulation Have an Additive Effect in the Control of Hip Joint Osteonecrosis Pain Associated with Sickle Cell Disease? A Protocol for a One-Session Double Blind, Block-Randomized Clinical Trial. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 633.	1.0	6
47	Additive effect of tDCS combined with Peripheral Electrical Stimulation to an exercise program in pain control in knee osteoarthritis: study protocol for a randomized controlled trial. <i>Trials</i> , 2017, 18, 609.	0.7	10
48	Altered cerebral blood flow velocity features in fibromyalgia patients in resting-state conditions. <i>PLoS ONE</i> , 2017, 12, e0180253.	1.1	11
49	Abnormal Pressure Pain, Touch Sensitivity, Proprioception, and Manual Dexterity in Children with Autism Spectrum Disorders. <i>Neural Plasticity</i> , 2016, 2016, 1-9.	1.0	113
50	Patients with Rheumatoid Arthritis and Chronic Pain Display Enhanced Alpha Power Density at Rest. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 395.	1.0	22
51	Electroencephalographic Patterns in Chronic Pain: A Systematic Review of the Literature. <i>PLoS ONE</i> , 2016, 11, e0149085.	1.1	146
52	Coordinate-based (ALE) meta-analysis of brain activation in patients with fibromyalgia. <i>Human Brain Mapping</i> , 2016, 37, 1749-1758.	1.9	61
53	Altered Dynamic of EEG Oscillations in Fibromyalgia Patients at Rest. <i>Pain Medicine</i> , 2016, 17, pnw023.	0.9	53
54	Controllability and hippocampal activation during pain expectation in fibromyalgia syndrome. <i>Biological Psychology</i> , 2016, 121, 39-48.	1.1	15

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55	Emotional Dimensions of Music and Painting and their Interaction. Spanish Journal of Psychology, 2015, 18, E54.	1.1	6
56	Affective Modulation of Brain and Autonomic Responses in Patients With Fibromyalgia. Psychosomatic Medicine, 2015, 77, 721-732.	1.3	23
57	A Randomized, Double-Blind, Sham-Controlled Trial of Transcranial Direct Current Stimulation in Attention-Deficit/Hyperactivity Disorder. PLoS ONE, 2015, 10, e0135371.	1.1	67
58	Spreading Effect of tDCS in Individuals with Attention-Deficit/Hyperactivity Disorder as Shown by Functional Cortical Networks: A Randomized, Double-Blind, Sham-Controlled Trial. Frontiers in Psychiatry, 2015, 6, 111.	1.3	34
59	Motif-Synchronization: A new method for analysis of dynamic brain networks with EEG. Physica A: Statistical Mechanics and Its Applications, 2015, 439, 7-19.	1.2	37
60	Correlation between hydration and fascia stiffness during a self-help treatment with a myofascial manipulation tool a bioimpedance controlled, clinical trial. Journal of Bodywork and Movement Therapies, 2015, 19, 668.	0.5	2
61	Are physiotherapists reliable proxies for the recognition of pain in individuals with cerebral palsy? A cross sectional study. Disability and Health Journal, 2015, 8, 264-270.	1.6	13
62	Viewing Pain and Happy Faces Elicited Similar Changes in Postural Body Sway. PLoS ONE, 2014, 9, e104381.	1.1	20
63	Beyond pain: modeling decision-making deficits in chronic pain. Frontiers in Behavioral Neuroscience, 2014, 8, 263.	1.0	17
64	Differences in somatosensory processing due to dominant hemispheric motor impairment in cerebral palsy. BMC Neuroscience, 2014, 15, 10.	0.8	17
65	Attentional Bias Toward Negative Information in Patients with Fibromyalgia Syndrome. Pain Medicine, 2014, 15, 603-612.	0.9	37
66	Altered corticomuscular coherence elicited by paced isotonic contractions in individuals with cerebral palsy: A case-control study. Journal of Electromyography and Kinesiology, 2014, 24, 928-933.	0.7	7
67	Pain, motor function and health-related quality of life in children with cerebral palsy as reported by their physiotherapists. BMC Pediatrics, 2014, 14, 192.	0.7	30
68	Valence-Specific Effects of <i>BDNF</i> Val <sup>66</sup> Met Polymorphism on Dopaminergic Stress and Reward Processing in Humans. Journal of Neuroscience, 2014, 34, 5874-5881.	1.7	54
69	Pain sensitivity and tactile spatial acuity are altered in healthy musicians as in chronic pain patients. Frontiers in Human Neuroscience, 2014, 8, 1016.	1.0	28
70	Age-of-onset of menopause is associated with enhanced painful and non-painful sensitivity in fibromyalgia. Clinical Rheumatology, 2013, 32, 975-981.	1.0	41
71	Altered Psychophysiological Responses to the View of Others' Pain and Anger Faces in Fibromyalgia Patients. Journal of Pain, 2013, 14, 709-719.	0.7	37
72	Pain sensitivity in fibromyalgia is associated with catechol-O-methyltransferase ( <i>COMT</i> ) gene. European Journal of Pain, 2013, 17, 16-27.	1.4	106

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73	The emotional impact of European tobacco-warning images. <i>Tobacco Control</i> , 2013, 22, 123-129.	1.8	13
74	Reduction of Pain Sensitivity After Somatosensory Therapy in Adults with Cerebral Palsy. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 276.	1.0	15
75	Cerebral Blood Flow Dynamics During Pain Processing in Patients With Fibromyalgia Syndrome. <i>Psychosomatic Medicine</i> , 2012, 74, 802-809.	1.3	30
76	Modulation of the outcome-related negativity associated with nicotine abstinence.. <i>Experimental and Clinical Psychopharmacology</i> , 2012, 20, 151-160.	1.3	3
77	Disrupted Functional Connectivity of the Pain Network in Fibromyalgia. <i>Psychosomatic Medicine</i> , 2012, 74, 55-62.	1.3	166
78	Somatosensory activity modulation during observation of other's pain and touch. <i>Brain Research</i> , 2012, 1467, 48-55.	1.1	35
79	Spontaneous BOLD event triggered averages for estimating functional connectivity at resting state. <i>Neuroscience Letters</i> , 2011, 488, 158-163.	1.0	65
80	Altered associative learning and emotional decision making in fibromyalgia. <i>Journal of Psychosomatic Research</i> , 2011, 70, 294-301.	1.2	89
81	T230 INCREASED PAIN SENSITIVITY IN FIBROMYLGIA PATIENTS WITH PREVIOUS HISTORY OF EARLY AND/OR SURGICAL MENOPAUSE. <i>European Journal of Pain Supplements</i> , 2011, 5, 44-44.	0.0	0
82	S106 THE A118G POLYMORPHISM OF THE HUMAN m-OPIOID RECEPTOR GENE (OPRM1) IS RELATED TO PAIN RESPONSIVENESS IN HEALTHY INDIVIDUALS. <i>European Journal of Pain Supplements</i> , 2011, 5, 197-198.	0.0	0
83	Age-Related Changes of Pain Experience in Cerebral Palsy and Healthy Individuals. <i>Pain Medicine</i> , 2011, 12, 535-545.	0.9	56
84	Temporal dissociation in the brain processing of pain and anger faces with different intensities of emotional expression. <i>Pain</i> , 2011, 152, 853-859.	2.0	35
85	Age predicts low-frequency transcranial magnetic stimulation efficacy in major depression. <i>Journal of Affective Disorders</i> , 2011, 130, 466-469.	2.0	40
86	Event-related brain responses as correlates of changes in predictive and affective values of conditioned stimuli. <i>Brain Research</i> , 2011, 1414, 77-84.	1.1	4
87	Aspectos neuropsicológicos del craving por la nicotina. <i>Revista De Psicología De La Salud</i> , 2011, 23, 111.	0.2	4
88	Modular Organization of Brain Resting State Networks in Chronic Back Pain Patients. <i>Frontiers in Neuroinformatics</i> , 2010, 4, 116.	1.3	48
89	Linear and nonlinear analyses of EEG dynamics during non-painful somatosensory processing in chronic pain patients. <i>International Journal of Psychophysiology</i> , 2010, 77, 176-183.	0.5	37
90	Developmental changes in somatosensory processing in cerebral palsy and healthy individuals. <i>Clinical Neurophysiology</i> , 2010, 121, 1314-1320.	0.7	87

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91	Off line identification of imagined speed of wrist movements in paralyzed ALS patients from single-trial EEG. <i>Frontiers in Neuroscience</i> , 2009, 3, 62.	1.4	35
92	216 SOCIAL SUPPORT MODULATES BRAIN ACTIVATION IN FIBROMYALGIA PATIENTS. <i>European Journal of Pain</i> , 2009, 13, S70a.	1.4	0
93	Low-Frequency Transcranial Magnetic Stimulation in Patients with Fibromyalgia and Major Depression. <i>Pain Medicine</i> , 2009, 10, 748-753.	0.9	53
94	Valoraci3n de factores sociales y cl3nicos en el s3ndrome de fibromialgia. <i>Revista De La Sociedad Espanola Del Dolor</i> , 2009, 16, 323-329.	0.0	8
95	Chapter 8 Neurofeedback and Brain-Computer Interface. <i>International Review of Neurobiology</i> , 2009, 86, 107-117.	0.9	122
96	Vagally mediated heart rate variability and heart rate entropy as predictors of treatment outcome in flight phobia. <i>Biological Psychology</i> , 2007, 76, 188-195.	1.1	22
97	Abnormal brain processing of affective and sensory pain descriptors in chronic pain patients. <i>Journal of Affective Disorders</i> , 2007, 104, 73-82.	2.0	44
98	Low spatial frequency filtering modulates early brain processing of affective complex pictures. <i>Neuropsychologia</i> , 2007, 45, 3223-3233.	0.7	75
99	Affective modulation of somatosensory-evoked potentials elicited by tactile stimulation. <i>Brain Research</i> , 2006, 1068, 205-212.	1.1	50
100	Reduced brain habituation to somatosensory stimulation in patients with fibromyalgia. <i>Arthritis and Rheumatism</i> , 2006, 54, 1995-2003.	6.7	88
101	Abnormal Reactivity of the Primary Somatosensory Cortex During the Experience of Pain in Complex Regional Pain Syndrome: A Magnetoencephalographic Case Study. <i>Neurocase</i> , 2006, 12, 280-285.	0.2	4
102	Abnormal Affective Modulation of Somatosensory Brain Processing Among Patients With Fibromyalgia. <i>Psychosomatic Medicine</i> , 2005, 67, 957-963.	1.3	91
103	See red? Turn pale? Unveiling Emotions through Cardiovascular and Hemodynamic Changes. <i>Spanish Journal of Psychology</i> , 2005, 8, 79-85.	1.1	31
104	Altered processing of pain-related information in patients with fibromyalgia. <i>European Journal of Pain</i> , 2005, 9, 293-293.	1.4	73
105	Influence of social support and emotional context on pain processing and magnetic brain responses in fibromyalgia. <i>Arthritis and Rheumatism</i> , 2004, 50, 4035-4044.	6.7	135
106	Title is missing!. <i>Cognitive Therapy and Research</i> , 2001, 25, 23-36.	1.2	30
107	Activation of Cortical and Cerebellar Motor Areas during Executed and Imagined Hand Movements: An fMRI Study. <i>Journal of Cognitive Neuroscience</i> , 1999, 11, 491-501.	1.1	858
108	The cortical somatotopic map and phantom phenomena in subjects with congenital limb atrophy and traumatic amputees with phantom limb pain. <i>European Journal of Neuroscience</i> , 1998, 10, 1095-1102.	1.2	115

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109	Covariation Bias in Flight Phobics. <i>Journal of Anxiety Disorders</i> , 1998, 12, 555-565.	1.5	34
110	Behavioral and neurophysiological evidence for altered processing of anxiety-related words in panic disorder.. <i>Journal of Abnormal Psychology</i> , 1997, 106, 213-220.	2.0	78
111	The relationship of phantom limb pain to other phantom limb phenomena in upper extremity amputees1. <i>Pain</i> , 1997, 72, 87-93.	2.0	95
112	Effects of Regional Anesthesia on Phantom Limb Pain Are Mirrored in Changes in Cortical Reorganization. <i>Journal of Neuroscience</i> , 1997, 17, 5503-5508.	1.7	492
113	Behavioral and neurophysiological evidence for altered processing of anxiety-related words in panic disorder. <i>Journal of Abnormal Psychology</i> , 1997, 106, 213-20.	2.0	30
114	Evidence for a change in neural processing in phantom limb pain patients. <i>Pain</i> , 1996, 67, 275-283.	2.0	49
115	Event-related brain potentials and the processing of cardiac activity. <i>Biological Psychology</i> , 1996, 42, 75-85.	1.1	121
116	Covariation bias in panic-prone individuals.. <i>Journal of Abnormal Psychology</i> , 1996, 105, 658-662.	2.0	52
117	Cortical correlates of semantic classical conditioning. <i>Psychophysiology</i> , 1996, 33, 644-649.	1.2	76
118	Covariation bias in panic-prone individuals. <i>Journal of Abnormal Psychology</i> , 1996, 105, 658-62.	2.0	8
119	Baroreceptor cortical effects, emotions and pain. <i>International Journal of Psychophysiology</i> , 1995, 19, 67-77.	0.5	70
120	Speaking from the heart: cardiovascular components of stress rating changes and the relative reactivity of physiological and psychological variables. <i>European Journal of Applied Physiology and Occupational Physiology</i> , 1994, 69, 277-280.	1.2	7
121	Changes in physical symptoms, blood pressure and quality of life over 30 days. <i>Behaviour Research and Therapy</i> , 1994, 32, 593-603.	1.6	22
122	On the relation between cardiodynamics and heartbeat perception. <i>Psychophysiology</i> , 1993, 30, 467-474.	1.2	124
123	Heartbeat evoked potentials (HEP): topography and influence of cardiac awareness and focus of attention. <i>Electroencephalography and Clinical Neurophysiology - Evoked Potentials</i> , 1993, 88, 163-172.	2.0	182
124	How we move is universal: Scaling in the average shape of human activity. <i>Papers in Physics</i> , 0, 7, 070017.	0.2	12
125	Better Executive Functions Are Associated With More Efficient Cognitive Pain Modulation in Older Adults: An fMRI Study. <i>Frontiers in Aging Neuroscience</i> , 0, 14, .	1.7	3