

# Pedro Montoya

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1750354/publications.pdf>

Version: 2024-02-01

126  
papers

5,515  
citations

101543

36  
h-index

88630

70  
g-index

131  
all docs

131  
docs citations

131  
times ranked

6340  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	2.3	858
2	Effects of Regional Anesthesia on Phantom Limb Pain Are Mirrored in Changes in Cortical Reorganization. <i>Journal of Neuroscience</i> , 1997, 17, 5503-5508.	3.6	492
3	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
4	Disrupted Functional Connectivity of the Pain Network in Fibromyalgia. <i>Psychosomatic Medicine</i> , 2012, 74, 55-62.	2.0	166
5	Electroencephalographic Patterns in Chronic Pain: A Systematic Review of the Literature. <i>PLoS ONE</i> , 2016, 11, e0149085.	2.5	146
6	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
7	On the relation between cardiodynamics and heartbeat perception. <i>Psychophysiology</i> , 1993, 30, 467-474.	2.4	124
8	Chapter 8 Neurofeedback and Brain-Computer Interface. <i>International Review of Neurobiology</i> , 2009, 86, 107-117.	2.0	122
9	Event-related brain potentials and the processing of cardiac activity. <i>Biological Psychology</i> , 1996, 42, 75-85.	2.2	121
10	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.	2.6	115
11	Abnormal Pressure Pain, Touch Sensitivity, Proprioception, and Manual Dexterity in Children with Autism Spectrum Disorders. <i>Neural Plasticity</i> , 2016, 2016, 1-9.	2.2	113
12	Pain sensitivity in fibromyalgia is associated with catechol-O-methyltransferase ( <i>COMT</i> ) gene. <i>European Journal of Pain</i> , 2013, 17, 16-27.	2.8	106
13	The relationship of phantom limb pain to other phantom limb phenomena in upper extremity amputees1. <i>Pain</i> , 1997, 72, 87-93.	4.2	95
14	Abnormal Affective Modulation of Somatosensory Brain Processing Among Patients With Fibromyalgia. <i>Psychosomatic Medicine</i> , 2005, 67, 957-963.	2.0	91
15	Altered associative learning and emotional decision making in fibromyalgia. <i>Journal of Psychosomatic Research</i> , 2011, 70, 294-301.	2.6	89
16	Reduced brain habituation to somatosensory stimulation in patients with fibromyalgia. <i>Arthritis and Rheumatism</i> , 2006, 54, 1995-2003.	6.7	88
17	Developmental changes in somatosensory processing in cerebral palsy and healthy individuals. <i>Clinical Neurophysiology</i> , 2010, 121, 1314-1320.	1.5	87
18	Behavioral and neurophysiological evidence for altered processing of anxiety-related words in panic disorder.. <i>Journal of Abnormal Psychology</i> , 1997, 106, 213-220.	1.9	78

#	ARTICLE	IF	CITATIONS
19	Cortical correlates of semantic classical conditioning. <i>Psychophysiology</i> , 1996, 33, 644-649.	2.4	76
20	Low spatial frequency filtering modulates early brain processing of affective complex pictures. <i>Neuropsychologia</i> , 2007, 45, 3223-3233.	1.6	75
21	Altered processing of pain-related information in patients with fibromyalgia. <i>European Journal of Pain</i> , 2005, 9, 293-293.	2.8	73
22	Baroreceptor cortical effects, emotions and pain. <i>International Journal of Psychophysiology</i> , 1995, 19, 67-77.	1.0	70
23	A Randomized, Double-Blind, Sham-Controlled Trial of Transcranial Direct Current Stimulation in Attention-Deficit/Hyperactivity Disorder. <i>PLoS ONE</i> , 2015, 10, e0135371.	2.5	67
24	Spontaneous BOLD event triggered averages for estimating functional connectivity at resting state. <i>Neuroscience Letters</i> , 2011, 488, 158-163.	2.1	65
25	Coordinate-based (ALE) meta-analysis of brain activation in patients with fibromyalgia. <i>Human Brain Mapping</i> , 2016, 37, 1749-1758.	3.6	61
26	Age-Related Changes of Pain Experience in Cerebral Palsy and Healthy Individuals. <i>Pain Medicine</i> , 2011, 12, 535-545.	1.9	56
27	Valence-Specific Effects of <i>BDNF</i> Val <sup>66</sup> Met Polymorphism on Dopaminergic Stress and Reward Processing in Humans. <i>Journal of Neuroscience</i> , 2014, 34, 5874-5881.	3.6	54
28	Altered Functional Performance in Patients with Fibromyalgia. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 14.	2.0	54
29	Low-Frequency Transcranial Magnetic Stimulation in Patients with Fibromyalgia and Major Depression. <i>Pain Medicine</i> , 2009, 10, 748-753.	1.9	53
30	Altered Dynamic of EEG Oscillations in Fibromyalgia Patients at Rest. <i>Pain Medicine</i> , 2016, 17, pnw023.	1.9	53
31	Covariation bias in panic-prone individuals. <i>Journal of Abnormal Psychology</i> , 1996, 105, 658-662.	1.9	52
32	Affective modulation of somatosensory-evoked potentials elicited by tactile stimulation. <i>Brain Research</i> , 2006, 1068, 205-212.	2.2	50
33	Evidence for a change in neural processing in phantom limb pain patients. <i>Pain</i> , 1996, 67, 275-283.	4.2	49
34	Modular Organization of Brain Resting State Networks in Chronic Back Pain Patients. <i>Frontiers in Neuroinformatics</i> , 2010, 4, 116.	2.5	48
35	Insula-based networks in professional musicians: Evidence for increased functional connectivity during resting state fMRI. <i>Human Brain Mapping</i> , 2017, 38, 4834-4849.	3.6	45
36	Abnormal brain processing of affective and sensory pain descriptors in chronic pain patients. <i>Journal of Affective Disorders</i> , 2007, 104, 73-82.	4.1	44

#	ARTICLE	IF	CITATIONS
37	Age-of-onset of menopause is associated with enhanced painful and non-painful sensitivity in fibromyalgia. <i>Clinical Rheumatology</i> , 2013, 32, 975-981.	2.2	41
38	Age predicts low-frequency transcranial magnetic stimulation efficacy in major depression. <i>Journal of Affective Disorders</i> , 2011, 130, 466-469.	4.1	40
39	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.	1.0	37
40	Altered Psychophysiological Responses to the View of Others' Pain and Anger Faces in Fibromyalgia Patients. <i>Journal of Pain</i> , 2013, 14, 709-719.	1.4	37
41	Attentional Bias Toward Negative Information in Patients with Fibromyalgia Syndrome. <i>Pain Medicine</i> , 2014, 15, 603-612.	1.9	37
42	Motif-Synchronization: A new method for analysis of dynamic brain networks with EEG. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 439, 7-19.	2.6	37
43	Pre- and postoperative predictors of phantom limb pain. <i>Neuroscience Letters</i> , 2019, 702, 44-50.	2.1	36
44	Age-Related Changes in Pain Perception Are Associated With Altered Functional Connectivity During Resting State. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 116.	3.4	36
45	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.	2.8	35
46	Temporal dissociation in the brain processing of pain and anger faces with different intensities of emotional expression. <i>Pain</i> , 2011, 152, 853-859.	4.2	35
47	Somatosensory activity modulation during observation of other's pain and touch. <i>Brain Research</i> , 2012, 1467, 48-55.	2.2	35
48	Covariation Bias in Flight Phobics. <i>Journal of Anxiety Disorders</i> , 1998, 12, 555-565.	3.2	34
49	Spreading Effect of tDCS in Individuals with Attention-Deficit/Hyperactivity Disorder as Shown by Functional Cortical Networks: A Randomized, Double-Blind, Sham-Controlled Trial. <i>Frontiers in Psychiatry</i> , 2015, 6, 111.	2.6	34
50	Using Deep Learning and Resting-State fMRI to Classify Chronic Pain Conditions. <i>Frontiers in Neuroscience</i> , 2019, 13, 1313.	2.8	32
51	See red? Turn pale? Unveiling Emotions through Cardiovascular and Hemodynamic Changes. <i>Spanish Journal of Psychology</i> , 2005, 8, 79-85.	2.1	31
52	Title is missing!. <i>Cognitive Therapy and Research</i> , 2001, 25, 23-36.	1.9	30
53	Cerebral Blood Flow Dynamics During Pain Processing in Patients With Fibromyalgia Syndrome. <i>Psychosomatic Medicine</i> , 2012, 74, 802-809.	2.0	30
54	Pain, motor function and health-related quality of life in children with cerebral palsy as reported by their physiotherapists. <i>BMC Pediatrics</i> , 2014, 14, 192.	1.7	30

#	ARTICLE	IF	CITATIONS
55	Distraction from pain: The role of selective attention and pain catastrophizing. <i>European Journal of Pain</i> , 2020, 24, 1880-1891.	2.8	30
56	Behavioral and neurophysiological evidence for altered processing of anxiety-related words in panic disorder.. <i>Journal of Abnormal Psychology</i> , 1997, 106, 213-220.	1.9	30
57	Pain sensitivity and tactile spatial acuity are altered in healthy musicians as in chronic pain patients. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 1016.	2.0	28
58	Affective Modulation of Brain and Autonomic Responses in Patients With Fibromyalgia. <i>Psychosomatic Medicine</i> , 2015, 77, 721-732.	2.0	23
59	Changes in physical symptoms, blood pressure and quality of life over 30 days. <i>Behaviour Research and Therapy</i> , 1994, 32, 593-603.	3.1	22
60	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.	2.2	22
61	Patients with Rheumatoid Arthritis and Chronic Pain Display Enhanced Alpha Power Density at Rest. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 395.	2.0	22
62	Viewing Pain and Happy Faces Elicited Similar Changes in Postural Body Sway. <i>PLoS ONE</i> , 2014, 9, e104381.	2.5	20
63	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.	2.0	19
64	Beyond pain: modeling decision-making deficits in chronic pain. <i>Frontiers in Behavioral Neuroscience</i> , 2014, 8, 263.	2.0	17
65	Differences in somatosensory processing due to dominant hemispheric motor impairment in cerebral palsy. <i>BMC Neuroscience</i> , 2014, 15, 10.	1.9	17
66	Reduction of Pain Sensitivity After Somatosensory Therapy in Adults with Cerebral Palsy. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 276.	2.0	15
67	Controllability and hippocampal activation during pain expectation in fibromyalgia syndrome. <i>Biological Psychology</i> , 2016, 121, 39-48.	2.2	15
68	Head movement measurement: An alternative method for posturography studies. <i>Gait and Posture</i> , 2017, 52, 100-106.	1.4	15
69	The emotional impact of European tobacco-warning images. <i>Tobacco Control</i> , 2013, 22, 123-129.	3.2	13
70	Are physiotherapists reliable proxies for the recognition of pain in individuals with cerebral palsy? A cross sectional study. <i>Disability and Health Journal</i> , 2015, 8, 264-270.	2.8	13
71	Chronic Pain Diagnosis Using Machine Learning, Questionnaires, and QST: A Sensitivity Experiment. <i>Diagnostics</i> , 2020, 10, 958.	2.6	13
72	Inhibitory Control Impairment on Somatosensory Gating Due to Aging: An Event-Related Potential Study. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 280.	2.0	12

#	ARTICLE	IF	CITATIONS
73	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.	2.8	12
74	How we move is universal: Scaling in the average shape of human activity. <i>Papers in Physics</i> , 0, 7, 070017.	0.2	12
75	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
76	Emotional Influences on Cognitive Processing in Fibromyalgia Patients With Different Depression Levels. <i>Clinical Journal of Pain</i> , 2018, 34, 1106-1113.	1.9	11
77	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.	4.2	11
78	On multifractals: A non-linear study of actigraphy data. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 514, 612-619.	2.6	11
79	Altered cerebral blood flow velocity features in fibromyalgia patients in resting-state conditions. <i>PLoS ONE</i> , 2017, 12, e0180253.	2.5	11
80	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.	1.6	10
81	Influence of chronic pain in physical activity of children with cerebral palsy. <i>NeuroRehabilitation</i> , 2018, 43, 113-123.	1.3	10
82	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.	2.0	10
83	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.	1.3	9
84	Valoración de factores sociales y clínicos en el síndrome de fibromialgia. <i>Revista De La Sociedad Española Del Dolor</i> , 2009, 16, 323-329.	0.1	8
85	Power Spectral Density and Functional Connectivity Changes due to a Sensorimotor Neurofeedback Training: A Preliminary Study. <i>Neural Plasticity</i> , 2019, 2019, 1-12.	2.2	8
86	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.	2.0	8
87	Central nervous activity during implicit processing of emotional face expressions in fibromyalgia syndrome. <i>Brain Research</i> , 2021, 1758, 147333.	2.2	8
88	Covariation bias in panic-prone individuals.. <i>Journal of Abnormal Psychology</i> , 1996, 105, 658-662.	1.9	8
89	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
90	Altered corticomuscular coherence elicited by paced isotonic contractions in individuals with cerebral palsy: A case-control study. <i>Journal of Electromyography and Kinesiology</i> , 2014, 24, 928-933.	1.7	7

#	ARTICLE	IF	CITATIONS
91	Emotional Dimensions of Music and Painting and their Interaction. Spanish Journal of Psychology, 2015, 18, E54.	2.1	6
92	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. Frontiers in Human Neuroscience, 2017, 11, 633.	2.0	6
93	Parents and Physiotherapists Recognition of Non-Verbal Communication of Pain in Individuals with Cerebral Palsy. Health Communication, 2018, 33, 1448-1453.	3.1	6
94	A Comparison of the Effect of Two Types of Whole Body Vibration Platforms on Fibromyalgia. A Randomized Controlled Trial. International Journal of Environmental Research and Public Health, 2021, 18, 3007.	2.6	6
95	An Observational Study Comparing Fibromyalgia and Chronic Low Back Pain in Somatosensory Sensitivity, Motor Function and Balance. Healthcare (Switzerland), 2021, 9, 1533.	2.0	6
96	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 ETQq0 0 OrgBT /Overlock 10 T		
97	Alterations in Neural Responses and Pain Perception in Older Adults During Distraction. Psychosomatic Medicine, 2020, 82, 869-876.	2.0	5
98	Alteration of Emotion Knowledge and Its Relationship with Emotion Regulation and Psychopathological Behavior in Children with Cerebral Palsy. Journal of Autism and Developmental Disorders, 2021, 51, 1238-1248.	2.7	5
99	Anterior Cingulate Cortex Activity During Rest Is Related to Alterations in Pain Perception in Aging. Frontiers in Aging Neuroscience, 2021, 13, 695200.	3.4	5
100	Abnormal Reactivity of the Primary Somatosensory Cortex During the Experience of Pain in Complex Regional Pain Syndrome: A Magnetoencephalographic Case Study. Neurocase, 2006, 12, 280-285.	0.6	4
101	Event-related brain responses as correlates of changes in predictive and affective values of conditioned stimuli. Brain Research, 2011, 1414, 77-84.	2.2	4
102	Pain and Communication in Children with Cerebral Palsy: Influence on Parents' Perception of Family Impact and Healthcare Satisfaction. Children, 2021, 8, 87.	1.5	4
103	Aspectos neuropsicológicos del craving por la nicotina. Revista De Psicología De La Salud, 2011, 23, 111.	0.5	4
104	Modulation of the outcome-related negativity associated with nicotine abstinence.. Experimental and Clinical Psychopharmacology, 2012, 20, 151-160.	1.8	3
105	Self-Myofascial Vibro-Shearing: a Randomized Controlled Trial of Biomechanical and Related Changes in Male Breakdancers. Sports Medicine - Open, 2018, 4, 13.	3.1	3
106	Reduced brain processing of affective pictures in children with cerebral palsy. Research in Developmental Disabilities, 2019, 94, 103457.	2.2	3
107	Cognition and chronic pain: an analysis on community-dwelling elderly caregivers and non-caregivers. Arquivos De Neuro-Psiquiatria, 2021, 79, 201-208.	0.8	3
108	The Therapeutic Effects of Whole-Body Vibration in Patients With Fibromyalgia. A Randomized Controlled Trial. Frontiers in Neurology, 2021, 12, 658383.	2.4	3

#	ARTICLE	IF	CITATIONS
109	Influence of chronic pain on cognitive performance in elderly caregivers: a longitudinal study. <i>Revista Brasileira De Enfermagem</i> , 2021, 74, e20200412.	0.7	3
110	Tonic pain reduces autonomic responses and EEG functional connectivity elicited by affective stimuli. <i>Psychophysiology</i> , 2022, 59, e14018.	2.4	3
111	Central nervous activity during a dot probe task with facial expressions in fibromyalgia. <i>Biological Psychology</i> , 2022, 172, 108361.	2.2	3
112	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, .	3.4	3
113	Correlation between hydration and fascia stiffness during a self-help treatment with a myofascial manipulation tool a bioimpedance controlled, clinical trial. <i>Journal of Bodywork and Movement Therapies</i> , 2015, 19, 668.	1.2	2
114	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.	1.2	2
115	Design and Validation of an FPGA-Based Configurable Transcranial Doppler Neurofeedback System for Chronic Pain Patients. <i>Sensors</i> , 2018, 18, 2278.	3.8	2
116	Autonomous nervous system regulation of pain in children with cerebral palsy. <i>Brain Injury</i> , 2021, 35, 356-362.	1.2	2
117	Intact pain modulation through manipulation of controllability and expectations in aging. <i>European Journal of Pain</i> , 2021, 25, 1472-1481.	2.8	2
118	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.	2.4	2
119	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.	2.6	1
120	Somatosensory Gating Is Modulated by Anodal Transcranial Direct Current Stimulation. <i>Frontiers in Neuroscience</i> , 2021, 15, 651253.	2.8	1
121	216 SOCIAL SUPPORT MODULATES BRAIN ACTIVATION IN FIBROMYALGIA PATIENTS. <i>European Journal of Pain</i> , 2009, 13, S70a.	2.8	0
122	T230 INCREASED PAIN SENSITIVITY IN FIBROMYALGIA PATIENTS WITH PREVIOUS HISTORY OF EARLY AND/OR SURGICAL MENOPAUSE. <i>European Journal of Pain Supplements</i> , 2011, 5, 44-44.	0.0	0
123	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
124	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.	1.2	0
125	EEG-heart rate connectivity changes after sensorimotor rhythm neurofeedback training: Ancillary study. <i>Neurophysiologie Clinique</i> , 2022, 52, 58-68.	2.2	0
126	Naturalistic Observation in the Hispanic World and its Contribution to the Development of Comparative Psychology. <i>Psychologia Latina</i> , 2011, 2, .	0.0	0