

# Miguel Fernández del Olmo

## List of Publications by Year in descending order

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89  
papers

3,554  
citations

172457

29  
h-index

149698

56  
g-index

90  
all docs

90  
docs citations

90  
times ranked

4280  
citing authors

#	ARTICLE	IF	CITATIONS
1	A lack of timing-dependent effects of transcranial direct current stimulation (tDCS) on the performance of a choice reaction time task. <i>Neuroscience Letters</i> , 2022, 782, 136691.	2.1	1
2	Functional relevance of resistance training-induced neuroplasticity in health and disease. <i>Neuroscience and Biobehavioral Reviews</i> , 2021, 122, 79-91.	6.1	35
3	Test-Retest Reliability of the Timed Up and Go Test in Subjects with Parkinson's Disease: Implications for Longitudinal Assessments. <i>Journal of Parkinson's Disease</i> , 2021, 11, 1-9.	2.8	4
4	Small Enhancement of Bimanual Typing Performance after 20 Sessions of tDCS in Healthy Young Adults. <i>Neuroscience</i> , 2021, 466, 26-35.	2.3	1
5	An Integrative Clustering Approach to tDCS Individual Response Variability in Cognitive Performance: Beyond a Null Effect on Working Memory. <i>Neuroscience</i> , 2020, 443, 120-130.	2.3	10
6	Anodal transcranial direct current stimulation enhances strength training volume but not the force-velocity profile. <i>European Journal of Applied Physiology</i> , 2020, 120, 1881-1891.	2.5	28
7	Effect of Treadmill Walking on Leg Muscle Activation in Parkinson's Disease. <i>Rejuvenation Research</i> , 2019, 22, 71-78.	1.8	8
8	Exploring the effects of Transcranial Direct Current Stimulation over the prefrontal cortex on working memory: A cluster analysis approach. <i>Behavioural Brain Research</i> , 2019, 375, 112144.	2.2	15
9	Acute kinematic and neurophysiological effects of treadmill and overground walking in Parkinson's disease. <i>NeuroRehabilitation</i> , 2019, 44, 433-443.	1.3	2
10	Short-Term Effects of Anodal Transcranial Direct Current Stimulation on Endurance and Maximal Force Production. A Systematic Review and Meta-Analysis. <i>Journal of Clinical Medicine</i> , 2019, 8, 536.	2.4	49
11	Set Configuration in Strength Training Programs Modulates the Cross Education Phenomenon. <i>Journal of Strength and Conditioning Research</i> , 2019, Publish Ahead of Print, 2414-2420.	2.1	8
12	Walking on a treadmill improves the stride length-cadence relationship in individuals with Parkinson's disease. <i>Gait and Posture</i> , 2019, 68, 136-140.	1.4	12
13	Diferencias de edad en el rendimiento de golpeo de balón en fútbol. <i>Revista Internacional De Medicina Y Ciencias De La Actividad Fisica Y Del Deporte</i> , 2019, 19, 719.	0.2	2
14	Acute neuromechanical modifications and 24-h recovery in quadriceps muscle after maximal stretch-shortening cycle exercise. <i>Journal of Electromyography and Kinesiology</i> , 2018, 40, 64-71.	1.7	2
15	Effects of bilateral and non-dominant practices on the lateral preference in judo matches. <i>Journal of Sports Sciences</i> , 2018, 36, 111-115.	2.0	5
16	Kicking ability and kicking deficit in young elite soccer players. <i>Kinesiology</i> , 2018, 50, 194-203.	0.6	4
17	A Preliminary Comparison of Motor Learning Across Different Non-invasive Brain Stimulation Paradigms Shows No Consistent Modulations. <i>Frontiers in Neuroscience</i> , 2018, 12, 253.	2.8	27
18	Athletes versus video game players: A predictive contextual processing study. <i>Neuroscience Letters</i> , 2018, 684, 156-163.	2.1	3

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19	Treadmill Walking Combined With Anodal Transcranial Direct Current Stimulation in Parkinson Disease. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2017, 96, 801-808.	1.4	22
20	Peripheral and central fatigue after high intensity resistance circuit training. <i>Muscle and Nerve</i> , 2017, 56, 152-159.	2.2	15
21	Changes in the Force-Velocity Mechanical Profile After Short Resistance Training Programs Differing in Set Configurations. <i>Journal of Applied Biomechanics</i> , 2017, 33, 144-152.	0.8	13
22	Modulation of quadriceps corticospinal excitability by femoral nerve stimulation. <i>Neuroscience Letters</i> , 2017, 637, 148-153.	2.1	6
23	Effects of progressive resistance exercise in akinetic-rigid Parkinson's disease patients: a randomized controlled trial. <i>European Journal of Physical and Rehabilitation Medicine</i> , 2017, 53, 651-663.	2.2	33
24	Enhancing consolidation of a rotational visuomotor adaptation task through acute exercise. <i>PLoS ONE</i> , 2017, 12, e0175296.	2.5	28
25	Dissociation between behavior and motor cortical excitability before and during ballistic wrist flexion and extension in young and old adults. <i>PLoS ONE</i> , 2017, 12, e0186585.	2.5	4
26	Set Configuration in Resistance Exercise: Muscle Fatigue and Cardiovascular Effects. <i>PLoS ONE</i> , 2016, 11, e0151163.	2.5	21
27	Role of Vertical Jumps and Anthropometric Variables in Maximal Kicking Ball Velocities in Elite Soccer Players. <i>Journal of Human Kinetics</i> , 2016, 53, 143-154.	1.5	11
28	Reversal of LTP-Like Cortical Plasticity in Alzheimer's Disease Patients with Tau-Related Faster Clinical Progression. <i>Journal of Alzheimer's Disease</i> , 2016, 50, 605-616.	2.6	51
29	Exercise Type Affects Cardiac Vagal Autonomic Recovery After a Resistance Training Session. <i>Journal of Strength and Conditioning Research</i> , 2016, 30, 2565-2573.	2.1	13
30	Paradoxical facilitation after depotentiation protocol can precede dyskinesia onset in early Parkinson's disease. <i>Experimental Brain Research</i> , 2016, 234, 3659-3667.	1.5	10
31	Treadmill vs Cycling in Parkinson's disease rehabilitation: Commentary on "Intensive cycle ergometer training improves gait speed and endurance in patients with Parkinson's disease: A comparison with treadmill training" by Arcolin et al., 2016. <i>Restorative Neurology and Neuroscience</i> , 2016, 34, 691-692.	0.7	0
32	Strength and Kicking Performance in Soccer. <i>Strength and Conditioning Journal</i> , 2016, 38, 106-116.	1.4	8
33	A shorter set reduces the loss of cardiac autonomic and baroreflex control after resistance exercise. <i>European Journal of Sport Science</i> , 2016, 16, 996-1004.	2.7	18
34	Inter-repetition rest training and traditional set configuration produce similar strength gains without cortical adaptations. <i>Journal of Sports Sciences</i> , 2016, 34, 1473-1484.	2.0	35
35	A Critical Review of the Technique Parameters and Sample Features of Maximal Kicking Velocity in Soccer. <i>Strength and Conditioning Journal</i> , 2015, 37, 26-39.	1.4	9
36	Gait Pattern and Cognitive Performance During Treadmill Walking in Parkinson Disease. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2015, 94, 931-940.	1.4	15

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37	Short walking distances compromise the stride length in Parkinson's disease patients. <i>Parkinsonism and Related Disorders</i> , 2015, 21, 809-810.	2.2	0
38	Small and inconsistent effects of whole body vibration on athletic performance: a systematic review and meta-analysis. <i>European Journal of Applied Physiology</i> , 2015, 115, 1605-1625.	2.5	26
39	Intra-individual variability in the response to anodal transcranial direct current stimulation. <i>Clinical Neurophysiology</i> , 2015, 126, 2342-2347.	1.5	150
40	Relationship Between Non-invasive Brain Stimulation-induced Plasticity and Capacity for Motor Learning. <i>Brain Stimulation</i> , 2015, 8, 1209-1219.	1.6	52
41	Startle Auditory Stimuli Enhance the Performance of Fast Dynamic Contractions. <i>PLoS ONE</i> , 2014, 9, e87805.	2.5	20
42	Treadmill Training Improves Overground Walking Economy in Parkinson's Disease: A Randomized, Controlled Pilot Study. <i>Frontiers in Neurology</i> , 2014, 5, 191.	2.4	14
43	Effect of surface stiffness on the neural control of stretch-shortening cycle movements. <i>Acta Physiologica</i> , 2014, 212, 214-225.	3.8	13
44	Effects of Set Configuration of Resistance Exercise on Perceived Exertion. <i>Perceptual and Motor Skills</i> , 2014, 119, 825-837.	1.3	49
45	Inter-individual Variability in Response to Non-invasive Brain Stimulation Paradigms. <i>Brain Stimulation</i> , 2014, 7, 372-380.	1.6	638
46	The functional anatomy of schizophrenia: A dynamic causal modeling study of predictive coding. <i>Schizophrenia Research</i> , 2014, 158, 204-212.	2.0	67
47	Spatiotemporal Parameters of Gait During Treadmill and Overground Walking in Parkinson's Disease. <i>Journal of Parkinson's Disease</i> , 2014, 4, 33-36.	2.8	27
48	Local contextual processing in major depressive disorder. <i>Clinical Neurophysiology</i> , 2014, 125, 476-483.	1.5	8
49	Performance of Maximum Number of Repetitions With Cluster-Set Configuration. <i>International Journal of Sports Physiology and Performance</i> , 2014, 9, 637-642.	2.3	37
50	Isometric knee extensor fatigue following a Wingate test: peripheral and central mechanisms. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2013, 23, 57-65.	2.9	56
51	Parieto-motor functional connectivity is impaired in Parkinson's disease. <i>Brain Stimulation</i> , 2013, 6, 147-154.	1.6	13
52	Study of Cerebello-Thalamocortical Pathway by Transcranial Magnetic Stimulation in Parkinson's Disease. <i>Brain Stimulation</i> , 2013, 6, 582-589.	1.6	75
53	The effects of treadmill or overground walking training program on gait in Parkinson's disease. <i>Gait and Posture</i> , 2013, 38, 590-595.	1.4	78
54	Neuromechanical adaptation induced by jumping on an elastic surface. <i>Journal of Electromyography and Kinesiology</i> , 2013, 23, 62-69.	1.7	8

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55	The effects of startle and non-startle auditory stimuli on wrist flexion movement in Parkinson's disease. <i>Neuroscience Letters</i> , 2013, 548, 56-60.	2.1	11
56	Functional connectivity abnormalities during contextual processing in schizophrenia and in Parkinson's disease. <i>Brain and Cognition</i> , 2013, 82, 243-253.	1.8	33
57	Mirror neuron system and observational learning: Behavioral and neurophysiological evidence. <i>Behavioural Brain Research</i> , 2013, 248, 104-113.	2.2	19
58	Implicit Versus Explicit Local Contextual Processing. <i>PLoS ONE</i> , 2013, 8, e65914.	2.5	10
59	Tests of Vertical Jump. <i>Strength and Conditioning Journal</i> , 2012, 34, 87-93.	1.4	10
60	The effects of auditory startle and nonstartle stimuli on step initiation in Parkinson's disease. <i>Movement Disorders</i> , 2012, 27, 1570-1573.	3.9	10
61	The effect of BDNF val66met polymorphism on visuomotor adaptation. <i>Experimental Brain Research</i> , 2012, 223, 43-50.	1.5	26
62	How Does the Treadmill Affect Gait in Parkinson's Disease?. <i>Current Aging Science</i> , 2012, 5, 28-34.	1.2	39
63	Local contextual processing of abstract and meaningful real-life images in professional athletes. <i>Experimental Brain Research</i> , 2012, 219, 27-36.	1.5	3
64	Effect of intensity and duration of conditioning protocol on post-activation potentiation and changes in H-reflex. <i>European Journal of Sport Science</i> , 2011, 11, 33-38.	2.7	5
65	Contextual processing deficits in Parkinson's disease: The role of the frontostriatal system. <i>Clinical Neurophysiology</i> , 2011, 122, 539-545.	1.5	21
66	Movement observation specifies motor programs activated by the action observed objective. <i>Neuroscience Letters</i> , 2011, 493, 102-106.	2.1	24
67	Neural correlates of local contextual processing deficits in schizophrenic patients. <i>Psychophysiology</i> , 2011, 48, 1217-1226.	2.4	17
68	Comparison of different baseline conditions in evaluating factors that influence motor cortex excitability. <i>Brain Stimulation</i> , 2011, 4, 152-155.	1.6	28
69	Local Contextual Processing Effects with Increasing Stimulus Presentation Rate. <i>Brain Topography</i> , 2011, 23, 385-391.	1.8	5
70	Modulation of the motor system during visual and auditory language processing. <i>Experimental Brain Research</i> , 2011, 211, 243-250.	1.5	17
71	Sensory perception changes induced by transcranial magnetic stimulation over the primary somatosensory cortex in Parkinson's disease. <i>Movement Disorders</i> , 2011, 26, 2058-2064.	3.9	9
72	The trampoline aftereffect: the motor and sensory modulations associated with jumping on an elastic surface. <i>Experimental Brain Research</i> , 2010, 204, 575-584.	1.5	16

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73	Ventral premotor to primary motor cortical interactions during noxious and naturalistic action observation. <i>Neuropsychologia</i> , 2010, 48, 1802-1806.	1.6	21
74	Mechanisms involved in treadmill walking improvements in Parkinson's disease. <i>Gait and Posture</i> , 2010, 32, 118-123.	1.4	50
75	TMS activation of interhemispheric pathways between the posterior parietal cortex and the contralateral motor cortex. <i>Journal of Physiology</i> , 2009, 587, 4281-4292.	2.9	62
76	Low-Intensity Cycling Affects the Muscle Activation Pattern of Consequent Countermovement Jumps. <i>Journal of Strength and Conditioning Research</i> , 2009, 23, 1470-1476.	2.1	6
77	Prolonged cortical silent period but normal sensorimotor plasticity in spinocerebellar ataxia 6. <i>Movement Disorders</i> , 2008, 23, 378-385.	3.9	22
78	Altered dorsal premotorâ€“motor interhemispheric pathway activity in focal arm dystonia. <i>Movement Disorders</i> , 2008, 23, 660-668.	3.9	46
79	Treadmill walking in Parkinson's disease patients: Adaptation and generalization effect. <i>Movement Disorders</i> , 2008, 23, 1243-1249.	3.9	61
80	How repeatable are the physiological effects of TENS?. <i>Clinical Neurophysiology</i> , 2008, 119, 1834-1839.	1.5	23
81	Functional Interplay between Posterior Parietal and Ipsilateral Motor Cortex Revealed by Twin-Coil Transcranial Magnetic Stimulation during Reach Planning toward Contralateral Space. <i>Journal of Neuroscience</i> , 2008, 28, 5944-5953.	3.6	118
82	Focal Stimulation of the Posterior Parietal Cortex Increases the Excitability of the Ipsilateral Motor Cortex. <i>Journal of Neuroscience</i> , 2007, 27, 6815-6822.	3.6	202
83	Transcranial magnetic stimulation over dorsolateral prefrontal cortex in Parkinsonâ€™s disease. <i>Clinical Neurophysiology</i> , 2007, 118, 131-139.	1.5	64
84	Role of the Cerebellum in Externally Paced Rhythmic Finger Movements. <i>Journal of Neurophysiology</i> , 2007, 98, 145-152.	1.8	151
85	Evaluation of the effect of training using auditory stimulation on rhythmic movement in Parkinsonian patientsâ€™ a combined motor and [18F]-FDG PET study. <i>Parkinsonism and Related Disorders</i> , 2006, 12, 155-164.	2.2	99
86	Chronic neural adaptation induced by long-term resistance training in humans. <i>European Journal of Applied Physiology</i> , 2006, 96, 722-728.	2.5	32
87	Age reduces cortical reciprocal inhibition in humans. <i>Experimental Brain Research</i> , 2006, 171, 322-329.	1.5	81
88	Time Course of Functional Connectivity between Dorsal Premotor and Contralateral Motor Cortex during Movement Selection. <i>Journal of Neuroscience</i> , 2006, 26, 7452-7459.	3.6	202
89	Temporal variability of gait in Parkinson disease: effects of a rehabilitation programme based on rhythmic sound cues. <i>Parkinsonism and Related Disorders</i> , 2005, 11, 25-33.	2.2	152