

# Maxime Billot

## List of Publications by Year in descending order

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Version: 2024-02-01

49  
papers

988  
citations

471061

17  
h-index

500791

28  
g-index

52  
all docs

52  
docs citations

52  
times ranked

864  
citing authors

#	ARTICLE	IF	CITATIONS
1	<p><p>Preserving Mobility in Older Adults with Physical Frailty and Sarcopenia: Opportunities, Challenges, and Recommendations for Physical Activity Interventions</p></p>. Clinical Interventions in Aging, 2020, Volume 15, 1675-1690.	1.3	100
2	Age-related relative increases in electromyography activity and torque according to the maximal capacity during upright standing. European Journal of Applied Physiology, 2010, 109, 669-680.	1.2	79
3	Adaptations of Motor Neural Structures' Activity to Lapses in Attention. Cerebral Cortex, 2015, 25, 66-74.	1.6	50
4	Virtual Reality Applications in Chronic Pain Management: Systematic Review and Meta-analysis. JMIR Serious Games, 2022, 10, e34402.	1.7	48
5	Short term alteration of balance control after a reduction of plantar mechanoreceptor sensation through cooling. Neuroscience Letters, 2013, 535, 40-44.	1.0	46
6	Effects of an Electrostimulation Training Program on Strength, Jumping, and Kicking Capacities in Soccer Players. Journal of Strength and Conditioning Research, 2010, 24, 1407-1413.	1.0	45
7	Effect of gender and obesity on electrical current thresholds. Muscle and Nerve, 2011, 44, 202-207.	1.0	43
8	The effect of experimental pain on the excitability of the corticospinal tract in humans: A systematic review and meta-analysis. European Journal of Pain, 2021, 25, 1209-1226.	1.4	34
9	Coactivation at the ankle joint is not sufficient to estimate agonist and antagonist mechanical contribution. Muscle and Nerve, 2010, 41, 511-518.	1.0	33
10	Antagonist mechanical contribution to resultant maximal torque at the ankle joint in young and older men. Journal of Electromyography and Kinesiology, 2009, 19, e123-e131.	0.7	31
11	How Should we Use Multicolumn Spinal Cord Stimulation to Optimize Back Pain Spatial Neural Targeting? A Prospective, Multicenter, Randomized, Double-Blind, Controlled Trial (ESTIMET Study). Neuromodulation, 2021, 24, 86-101.	0.4	29
12	Difficult memory task during postural tasks of various difficulties in young and older people: A pilot study. Clinical Neurophysiology, 2008, 119, 1158-1165.	0.7	28
13	Persistent Spinal Pain Syndrome Type 2 (PSPS-T2), a Social Pain? Advocacy for a Social Gradient of Health Approach to Chronic Pain. Journal of Clinical Medicine, 2021, 10, 2817.	1.0	27
14	Development of Digital Twins to Optimize Trauma Surgery and Postoperative Management. A Case Study Focusing on Tibial Plateau Fracture. Frontiers in Bioengineering and Biotechnology, 2021, 9, 722275.	2.0	27
15	Is co-contraction responsible for the decline in maximal knee joint torque in older males?. Age, 2014, 36, 899-910.	3.0	26
16	Reduced plantar sole sensitivity induces balance control modifications to compensate ankle tendon vibration and vision deprivation. Journal of Electromyography and Kinesiology, 2015, 25, 155-160.	0.7	26
17	Hypnosis to manage musculoskeletal and neuropathic chronic pain: A systematic review and meta-analysis. Neuroscience and Biobehavioral Reviews, 2022, 135, 104591.	2.9	24
18	Finite Mixture Models Based on Pain Intensity, Functional Disability and Psychological Distress Composite Assessment Allow Identification of Two Distinct Classes of Persistent Spinal Pain Syndrome after Surgery Patients Related to Their Quality of Life. Journal of Clinical Medicine, 2021, 10, 4676.	1.0	20

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19	Effects on gait and balance of home-based active video game interventions in persons with multiple sclerosis: A systematic review. <i>Multiple Sclerosis and Related Disorders</i> , 2021, 51, 102928.	0.9	19
20	Comparison of conventional, burst and high-frequency spinal cord stimulation on pain relief in refractory failed back surgery syndrome patients: study protocol for a prospective randomized double-blinded cross-over trial (MULTIWAVE study). <i>Trials</i> , 2020, 21, 696.	0.7	18
21	How the ankle joint angle alters the antagonist and agonist torques during maximal efforts in dorsiflexion and plantar flexion. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2011, 21, e273-81.	1.3	17
22	A Novel Multi-Dimensional Clinical Response Index Dedicated to Improving Global Assessment of Pain in Patients with Persistent Spinal Pain Syndrome after Spinal Surgery, Based on a Real-Life Prospective Multicentric Study (PREDIBACK) and Machine Learning Techniques. <i>Journal of Clinical Medicine</i> , 2021, 10, 4910.	1.0	17
23	Patient Selection for Spinal Cord Stimulation in Treatment of Pain: Sequential Decision-Making Model – A Narrative Review. <i>Journal of Pain Research</i> , 2022, Volume 15, 1163-1171.	0.8	15
24	Reiki therapy for pain, anxiety and quality of life. <i>BMJ Supportive and Palliative Care</i> , 2019, 9, bmjspcare-2019-001775.	0.8	14
25	Gradation of Clinical Holistic Response as New Composite Outcome to Evaluate Success in Spinal Cord Stimulation Studies for Pain. <i>Neuromodulation</i> , 2023, 26, 139-146.	0.4	14
26	Effect of Cutaneous Heat Pain on Corticospinal Excitability of the Tibialis Anterior at Rest and during Submaximal Contraction. <i>Neural Plasticity</i> , 2018, 2018, 1-7.	1.0	13
27	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.	1.1	13
28	Cortical motor output decreases after neuromuscular fatigue induced by electrical stimulation of the plantar flexor muscles. <i>Acta Physiologica</i> , 2015, 214, 124-134.	1.8	12
29	Professional Status of Persistent Spinal Pain Syndrome Patients after Spinal Surgery (PSPS-T2): What Really Matters? A Prospective Study Introducing the Concept of “Adapted Professional Activity” Inferred from Clinical, Psychological and Social Influence. <i>Journal of Clinical Medicine</i> , 2021, 10, 5055.	1.0	11
30	Neuromuscular Fatigue Is Not Different between Constant and Variable Frequency Stimulation. <i>PLoS ONE</i> , 2014, 9, e84740.	1.1	10
31	The Added Value of Subcutaneous Peripheral Nerve Field Stimulation Combined with SCS, as Salvage Therapy, for Refractory Low Back Pain Component in Persistent Spinal Pain Syndrome Implanted Patients: A Randomized Controlled Study (CUMPNS Study) Based on 3D-Mapping Composite Pain Assessment. <i>Journal of Clinical Medicine</i> , 2021, 10, 5094.	1.0	10
32	Machine Learning Algorithms Provide Greater Prediction of Response to SCS Than Lead Screening Trial: A Predictive AI-Based Multicenter Study. <i>Journal of Clinical Medicine</i> , 2021, 10, 4764.	1.0	9
33	Balance control interferes with the tracing performance of a pattern with mirror-reversed vision in older persons. <i>Age</i> , 2014, 36, 823-837.	3.0	8
34	The Challenge of Converting “Failed Spinal Cord Stimulation Syndrome” Back to Clinical Success, Using SCS Reprogramming as Salvage Therapy, through Neurostimulation Adapters Combined with 3D-Computerized Pain Mapping Assessment: A Real Life Retrospective Study. <i>Journal of Clinical Medicine</i> , 2022, 11, 272.	1.0	8
35	Acceptance and Commitment Therapy to Increase Resilience in Chronic Pain Patients: A Clinical Guideline. <i>Medicina (Lithuania)</i> , 2022, 58, 499.	0.8	8
36	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.	0.4	7

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37	A Comprehensive Review of Pain Interference on Postural Control: From Experimental to Chronic Pain. <i>Medicina (Lithuania)</i> , 2022, 58, 812.	0.8	7
38	Vertebral balloon kyphoplasty versus vertebral body stenting in non-osteoporotic vertebral compression fractures at the thoracolumbar junction: a comparative radiological study and finite element analysis (BONEXP study). <i>European Spine Journal</i> , 2021, 30, 3089-3098.	1.0	6
39	Self-Reiki, Consideration of a Potential Option for Managing Chronic Pain during Pandemic COVID-19 Period. <i>Medicina (Lithuania)</i> , 2021, 57, 867.	0.8	5
40	Comparison of Spinal Cord Stimulation vs. Dorsal Root Ganglion Stimulation vs. Association of Both in Patients with Refractory Chronic Back and/or Lower Limb Neuropathic Pain: An International, Prospective, Randomized, Double-Blinded, Crossover Trial (BOOST-DRG Study). <i>Medicina (Lithuania)</i> , 2022, 58, 7.	0.8	5
41	Aging, Obesity, and Motor Vehicle Collisions. <i>Frontiers in Sustainable Cities</i> , 2020, 2, .	1.2	4
42	Postural Control Disturbances Induced by Virtual Reality in Stroke Patients. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 1510.	1.3	3
43	Quantitative MRI to Characterize the Nucleus Pulposus Morphological and Biomechanical Variation According to Sagittal Bending Load and Radial Fissure, an ex vivo Ovine Specimen Proof-of-Concept Study. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 676003.	2.0	3
44	The Added Value of Intraoperative Hypnosis during Spinal Cord Stimulation Lead Implantation under Awake Anesthesia in Patients Presenting with Refractory Chronic Pain. <i>Medicina (Lithuania)</i> , 2022, 58, 220.	0.8	3
45	Balance rehabilitation for postural control in children with Autism Spectrum Disorder: A two-case report study. <i>Physiotherapy Theory and Practice</i> , 2023, 39, 658-666.	0.6	3
46	Machine Learning Algorithms Provide Greater Prediction of Response to SCS Than Lead Screening Trial: A Predictive AI-Based Multicenter Study. <i>Journal of Clinical Medicine</i> , 2021, 10, .	1.0	2
47	Electrochemical Skin Conductance Alterations during Spinal Cord Stimulation: An Experimental Study. <i>Journal of Clinical Medicine</i> , 2021, 10, 3565.	1.0	1
48	Percutaneous surgery with balloon for tibial plateau fractures, results with a minimum of 5 years of follow-up. <i>Injury</i> , 2022, 53, 2650-2656.	0.7	1
49	The Added Value of Point-Light Display Observation in Total Knee Arthroplasty Rehabilitation Program: A Prospective Randomized Controlled Pilot Study. <i>Medicina (Lithuania)</i> , 2022, 58, 868.	0.8	1