

Matthieu P Boisgontier

List of Publications by Year in descending order

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Version: 2024-02-01

83
papers

2,806
citations

249298

26
h-index

252626

46
g-index

106
all docs

106
docs citations

106
times ranked

3462
citing authors

#	ARTICLE	IF	CITATIONS
1	The anova to mixed model transition. <i>Neuroscience and Biobehavioral Reviews</i> , 2016, 68, 1004-1005.	2.9	271
2	Relationships between changes in self-reported physical activity, sedentary behaviour and health during the coronavirus (COVID-19) pandemic in France and Switzerland. <i>Journal of Sports Sciences</i> , 2021, 39, 699-704.	1.0	241
3	Age-related differences in attentional cost associated with postural dual tasks: Increased recruitment of generic cognitive resources in older adults. <i>Neuroscience and Biobehavioral Reviews</i> , 2013, 37, 1824-1837.	2.9	230
4	Aging and motor inhibition: A converging perspective provided by brain stimulation and imaging approaches. <i>Neuroscience and Biobehavioral Reviews</i> , 2014, 43, 100-117.	2.9	124
5	Two hands, one brain, and aging. <i>Neuroscience and Biobehavioral Reviews</i> , 2017, 75, 234-256.	2.9	94
6	Behavioral and Neural Evidence of the Rewarding Value of Exercise Behaviors: A Systematic Review. <i>Sports Medicine</i> , 2018, 48, 1389-1404.	3.1	77
7	The Theory of Effort Minimization in Physical Activity. <i>Exercise and Sport Sciences Reviews</i> , 2021, 49, 168-178.	1.6	65
8	Avoiding sedentary behaviors requires more cortical resources than avoiding physical activity: An EEG study. <i>Neuropsychologia</i> , 2018, 119, 68-80.	0.7	61
9	Moving Sport and Exercise Science Forward: A Call for the Adoption of More Transparent Research Practices. <i>Sports Medicine</i> , 2020, 50, 449-459.	3.1	61
10	Ageing of internal models: from a continuous to an intermittent proprioceptive control of movement. <i>Age</i> , 2013, 35, 1339-1355.	3.0	56
11	Presbypropria: the effects of physiological ageing on proprioceptive control. <i>Age</i> , 2012, 34, 1179-1194.	3.0	54
12	Muscle fatigue degrades force sense at the ankle joint. <i>Gait and Posture</i> , 2008, 28, 521-524.	0.6	53
13	Individual differences in brainstem and basal ganglia structure predict postural control and balance loss in young and older adults. <i>Neurobiology of Aging</i> , 2017, 50, 47-59.	1.5	52
14	Evolution of physical activity habits after a context change: The case of COVID-19 lockdown. <i>British Journal of Health Psychology</i> , 2021, 26, 1135-1154.	1.9	49
15	Effect of Early- and Adult-Life Socioeconomic Circumstances on Physical Inactivity. <i>Medicine and Science in Sports and Exercise</i> , 2018, 50, 476-485.	0.2	46
16	Relationship between decline in cognitive resources and physical activity.. <i>Health Psychology</i> , 2020, 39, 519-528.	1.3	46
17	The effects of clothes on independent walking in toddlers. <i>Gait and Posture</i> , 2014, 39, 659-661.	0.6	45
18	Structure-function multi-scale connectomics reveals a major role of the fronto-striato-thalamic circuit in brain aging. <i>Human Brain Mapping</i> , 2018, 39, 4663-4677.	1.9	45

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19	Reduced Neural Differentiation Between Feedback Conditions After Bimanual Coordination Training with and without Augmented Visual Feedback. <i>Cerebral Cortex</i> , 2015, 25, 1958-1969.	1.6	42
20	Association of early- and adult-life socioeconomic circumstances with muscle strength in older age. <i>Age and Ageing</i> , 2018, 47, 398-407.	0.7	40
21	Cognitive resources moderate the adverse impact of poor perceived neighborhood conditions on self-reported physical activity of older adults. <i>Preventive Medicine</i> , 2019, 126, 105741.	1.6	40
22	Complexity of Central Processing in Simple and Choice Multilimb Reaction-Time Tasks. <i>PLoS ONE</i> , 2014, 9, e90457.	1.1	38
23	Relative cortico-subcortical shift in brain activity but preserved training-induced neural modulation in older adults during bimanual motor learning. <i>Neurobiology of Aging</i> , 2017, 58, 54-67.	1.5	37
24	Muscle strength is associated with COVID-19 hospitalization in adults 50 years of age or older. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2021, 12, 1136-1143.	2.9	37
25	Tongue-placed tactile biofeedback suppresses the deleterious effects of muscle fatigue on joint position sense at the ankle. <i>Experimental Brain Research</i> , 2007, 183, 235-240.	0.7	31
26	Manual aiming in healthy aging: does proprioceptive acuity make the difference?. <i>Age</i> , 2016, 38, 45.	3.0	30
27	Higher inhibitory control is required to escape the innate attraction to effort minimization. <i>Psychology of Sport and Exercise</i> , 2020, 51, 101781.	1.1	29
28	Both age and physical activity level impact on eye-hand coordination. <i>Human Movement Science</i> , 2014, 36, 80-96.	0.6	28
29	Childhood socioeconomic circumstances and disability trajectories in older men and women: a European cohort study. <i>European Journal of Public Health</i> , 2019, 29, 50-58.	0.1	28
30	Adverse Childhood Experiences, Depressive Symptoms, Functional Dependence, and Physical Activity: A Moderated Mediation Model. <i>Journal of Physical Activity and Health</i> , 2020, 17, 790-799.	1.0	28
31	Factors underlying age-related changes in discrete aiming. <i>Experimental Brain Research</i> , 2015, 233, 1733-1744.	0.7	27
32	Life-Course Circumstances and Frailty in Old Age Within Different European Welfare Regimes: A Longitudinal Study With SHARE. <i>Journals of Gerontology - Series B Psychological Sciences and Social Sciences</i> , 2020, 75, 1326-1335.	2.4	26
33	Inter-individual variability in sensory weighting of a plantar pressure-based, tongue-placed tactile biofeedback for controlling posture. <i>Neuroscience Letters</i> , 2007, 421, 173-177.	1.0	25
34	Anatomy of Subcortical Structures Predicts Age-Related Differences in Skill Acquisition. <i>Cerebral Cortex</i> , 2018, 28, 459-473.	1.6	25
35	Temptations toward behaviors minimizing energetic costs (BMEC) automatically activate physical activity goals in successful exercisers. <i>Psychology of Sport and Exercise</i> , 2017, 30, 110-117.	1.1	24
36	Changes in the relative contribution of each leg to the control of quiet two-legged stance following unilateral plantar flexor muscles fatigue. <i>European Journal of Applied Physiology</i> , 2010, 110, 207-213.	1.2	23

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37	Motor aging results from cerebellar neuron death. <i>Trends in Neurosciences</i> , 2015, 38, 127-128.	4.2	23
38	Nucleus accumbens and caudate atrophy predicts longer action selection times in young and old adults. <i>Human Brain Mapping</i> , 2016, 37, 4629-4639.	1.9	22
39	Do Welfare Regimes Moderate Cumulative Dis/advantages Over the Life Course? Cross-National Evidence from Longitudinal SHARE Data. <i>Journals of Gerontology - Series B Psychological Sciences and Social Sciences</i> , 2020, 75, 1312-1325.	2.4	22
40	Proprioception in the cerebellum. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 212.	1.0	21
41	Association between Adverse Childhood Experiences and Muscle Strength in Older Age. <i>Gerontology</i> , 2019, 65, 474-484.	1.4	21
42	The effects of acute exercise on visuomotor adaptation, learning, and inter-limb transfer. <i>Experimental Brain Research</i> , 2019, 237, 1109-1127.	0.7	19
43	Cerebellar gray matter explains bimanual coordination performance in children and older adults. <i>Neurobiology of Aging</i> , 2018, 65, 109-120.	1.5	18
44	Welfare regimes modify the association of disadvantaged adult-life socioeconomic circumstances with self-rated health in old age. <i>International Journal of Epidemiology</i> , 2019, 48, 1352-1366.	0.9	18
45	Early-life socioeconomic circumstances explain health differences in old age, but not their evolution over time. <i>Journal of Epidemiology and Community Health</i> , 2019, 73, 703-711.	2.0	18
46	Physical Inactivity: A Behavioral Disorder in the Physical Therapist's Scope of Practice. <i>Physical Therapy</i> , 2020, 100, 743-746.	1.1	18
47	Physically active individuals look for more: An eye-tracking study of attentional bias. <i>Psychophysiology</i> , 2020, 57, e13582.	1.2	18
48	Muscle strength explains the protective effect of physical activity against COVID-19 hospitalization among adults aged 50 years and older. <i>Journal of Sports Sciences</i> , 2021, 39, 2796-2803.	1.0	18
49	Disadvantaged Early-Life Socioeconomic Circumstances Are Associated With Low Respiratory Function in Older Age. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019, 74, 1134-1140.	1.7	17
50	How a plantar pressure-based, tongue-placed tactile biofeedback modifies postural control mechanisms during quiet standing. <i>Experimental Brain Research</i> , 2007, 181, 547-554.	0.7	16
51	Effectiveness of a tongue-placed electrotactile biofeedback to improve ankle force sense following plantar-flexor muscles fatigue. <i>Gait and Posture</i> , 2009, 30, 556-559.	0.6	16
52	Vision of the active limb impairs bimanual motor tracking in young and older adults. <i>Frontiers in Aging Neuroscience</i> , 2014, 6, 320.	1.7	16
53	Different neural substrates for precision stepping and fast online step adjustments in youth. <i>Brain Structure and Function</i> , 2018, 223, 2039-2053.	1.2	15
54	Why Are Individuals With Diabetes Less Active? The Mediating Role of Physical, Emotional, and Cognitive Factors. <i>Annals of Behavioral Medicine</i> , 2021, 55, 904-917.	1.7	14

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55	Inhibitory control elicited by physical activity and inactivity stimuli: An electroencephalography study.. <i>Motivation Science</i> , 2021, 7, 386-399.	1.2	14
56	Association between physical-activity trajectories and cognitive decline in adults 50 years of age or older. <i>Epidemiology and Psychiatric Sciences</i> , 2021, 30, .	1.8	14
57	Age-related deficit in a bimanual joint position matching task is amplitude dependent. <i>Frontiers in Aging Neuroscience</i> , 2015, 7, 162.	1.7	13
58	From ego depletion to self-control fatigue: A review of criticisms along with new perspectives for the investigation and replication of a multicomponent phenomenon.. <i>Motivation Science</i> , 2022, 8, 19-32.	1.2	13
59	Whole-brain grey matter density predicts balance stability irrespective of age and protects older adults from falling. <i>Gait and Posture</i> , 2016, 45, 143-150.	0.6	12
60	Early-Life Socioeconomic Circumstances and Physical Activity in Older Age: Women Pay the Price. <i>Psychological Science</i> , 2022, 33, 212-223.	1.8	12
61	White matter microstructural organisation of interhemispheric pathways predicts different stages of bimanual coordination learning in young and older adults. <i>European Journal of Neuroscience</i> , 2018, 47, 446-459.	1.2	9
62	The role of adult socioeconomic and relational reserves regarding the effect of childhood misfortune on late-life depressive symptoms. <i>SSM - Population Health</i> , 2019, 8, 100434.	1.3	9
63	Cognitive functions and physical activity in aging when energy is lacking. <i>European Journal of Ageing</i> , 0, , 1.	1.2	9
64	Proprioception: Bilateral inputs first. <i>Neuroscience Letters</i> , 2013, 534, 96-100.	1.0	8
65	Le coût attentionnel associé aux fonctions exécutives impliquées dans le contrôle postural. <i>Science Et Motricite</i> , 2011, , 53-64.	0.3	7
66	Cognitive-bias modification intervention to improve physical activity in patients following a rehabilitation programme: protocol for the randomised controlled IMPACT trial. <i>BMJ Open</i> , 2021, 11, e053845.	0.8	7
67	I Sit but I Don't Know Why: Investigating the Multiple Precursors of Leisure-Time Sedentary Behaviors. <i>Research Quarterly for Exercise and Sport</i> , 2022, 93, 548-563.	0.8	7
68	Better Subjective Sleep Quality Partly Explains the Association Between Self-Reported Physical Activity and Better Cognitive Function. <i>Journal of Alzheimer's Disease</i> , 2022, 87, 919-931.	1.2	7
69	A new method to assess temporal features of gait initiation with a single force plate. <i>Gait and Posture</i> , 2014, 39, 631-633.	0.6	6
70	Neural predictors of motor control and impact of visuo-proprioceptive information in youth. <i>Human Brain Mapping</i> , 2017, 38, 5628-5647.	1.9	6
71	Opportunities to sit and stand trigger equivalent reward-related brain activity. <i>International Journal of Psychophysiology</i> , 2019, 141, 9-17.	0.5	6
72	Acute Exercise Modulates the Excitability of Specific Interneurons in Human Motor Cortex. <i>Neuroscience</i> , 2021, 475, 103-116.	1.1	5

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73	Physical Activity Predicts Performance in an Unpracticed Bimanual Coordination Task. <i>Frontiers in Psychology</i> , 2017, 8, 249.	1.1	4
74	Effects of neuromuscular electrical stimulation on the range of motion recovery in hand proximal interphalangeal sprain. <i>Science and Sports</i> , 2009, 24, 192-195.	0.2	3
75	Superimposed electrical stimulation improves mobility of pre-stiff thumbs after ulnar collateral ligament injury of the metacarpophalangeal joint: A randomized study. <i>Annals of Physical and Rehabilitation Medicine</i> , 2014, 57, 373-380.	1.1	2
76	Effects of wrist tendon vibration and eye movements on manual aiming. <i>Experimental Brain Research</i> , 2018, 236, 847-857.	0.7	2
77	The Woman's Body (Not the Man's One) Is Used to Evaluate Sexual Desire: An Eye-Tracking Study of Automatic Visual Attention. <i>Journal of Sexual Medicine</i> , 2019, 16, 195-202.	0.3	2
78	Perturbation of cortical activity elicits regional and age-dependent effects on unconstrained reaching behavior: a pilot study. <i>Experimental Brain Research</i> , 2021, 239, 3585-3600.	0.7	2
79	Normal aging affects unconstrained three-dimensional reaching against gravity with reduced vertical precision and increased co-contraction: a pilot study. <i>Experimental Brain Research</i> , 2022, 240, 1029.	0.7	2
80	Is standing postural control more impaired in young patients with hip-disarticulation than transfemoral amputation? A pilot study. <i>Annals of Physical and Rehabilitation Medicine</i> , 2015, 58, 354-356.	1.1	1
81	Daily Life Physical Activity and Concussion Symptoms in Adolescents. <i>Canadian Journal of Occupational Therapy</i> , 2020, 87, 364-371.	0.8	1
82	Commentary: Cerebellar direct current stimulation enhances on-line motor skill acquisition through an effect on accuracy. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 578.	1.0	0
83	Tous paresseux? , 2019, N° 110, 15-18.		0