

Michel F Audiffren

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

2,579
citations

218677

26
h-index

197818

49
g-index

68
all docs

68
docs citations

68
times ranked

2846
citing authors

#	ARTICLE	IF	CITATIONS
1	The reticular-activating hypofrontality (RAH) model of acute exercise. <i>Neuroscience and Biobehavioral Reviews</i> , 2011, 35, 1305-1325.	6.1	261
2	Increased heart rate variability and executive performance after aerobic training in the elderly. <i>European Journal of Applied Physiology</i> , 2010, 109, 617-624.	2.5	160
3	Processing speed and executive functions in cognitive aging: How to disentangle their mutual relationship?. <i>Brain and Cognition</i> , 2012, 79, 1-11.	1.8	156
4	Acute aerobic exercise and information processing: Energizing motor processes during a choice reaction time task. <i>Acta Psychologica</i> , 2008, 129, 410-419.	1.5	138
5	Facilitating effects of exercise on information processing. <i>Journal of Sports Sciences</i> , 2004, 22, 419-428.	2.0	122
6	Influence of Physical Exercise on Simple Reaction Time: Effect of Physical Fitness. <i>Perceptual and Motor Skills</i> , 1997, 85, 1019-1027.	1.3	105
7	Acute aerobic exercise and information processing: Modulation of executive control in a Random Number Generation task. <i>Acta Psychologica</i> , 2009, 132, 85-95.	1.5	101
8	Information processing during physical exercise: a chronometric and electromyographic study. <i>Experimental Brain Research</i> , 2005, 165, 532-540.	1.5	94
9	Effects of Acute Exercise on Sensory and Executive Processing Tasks. <i>Medicine and Science in Sports and Exercise</i> , 2010, 42, 1396-1402.	0.4	88
10	The strength model of self-control revisited: Linking acute and chronic effects of exercise on executive functions. <i>Journal of Sport and Health Science</i> , 2015, 4, 30-46.	6.5	84
11	Physical exercise facilitates motor processes in simple reaction time performance: An electromyographic analysis. <i>Neuroscience Letters</i> , 2006, 396, 54-56.	2.1	80
12	Impact of Physical Activity on Executive Functions in Aging: A Selective Effect on Inhibition Among Old Adults. <i>Journal of Sport and Exercise Psychology</i> , 2012, 34, 808-827.	1.2	78
13	Executive functions improvement following a 5-month aquaerobics program in older adults: Role of cardiac vagal control in inhibition performance. <i>Biological Psychology</i> , 2016, 115, 69-77.	2.2	70
14	Single and choice reaction time during prolonged exercise in trained subjects: influence of carbohydrate availability. <i>European Journal of Applied Physiology</i> , 2001, 86, 150-156.	2.5	69
15	Does Acute Exercise Switch Off Switch Costs? A Study With Younger and Older Athletes. <i>Journal of Sport and Exercise Psychology</i> , 2011, 33, 609-626.	1.2	67
16	A distributional analysis of the effect of physical exercise on a choice reaction time task. <i>Journal of Sports Sciences</i> , 2006, 24, 323-329.	2.0	63
17	Effect of overreaching on cognitive performance and related cardiac autonomic control. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2014, 24, 234-242.	2.9	60
18	The interactive effect of achievement motivation and task difficulty on mental effort. <i>International Journal of Psychophysiology</i> , 2008, 70, 144-150.	1.0	59

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19	Use of near-infrared spectroscopy in the investigation of brain activation during cognitive aging: A systematic review of an emerging area of research. <i>Ageing Research Reviews</i> , 2017, 38, 52-66.	10.9	58
20	The exercise-cognition relationship: A virtuous circle. <i>Journal of Sport and Health Science</i> , 2019, 8, 339-347.	6.5	57
21	Reliability of heart rate measures used to assess post-exercise parasympathetic reactivation. <i>Clinical Physiology and Functional Imaging</i> , 2012, 32, 296-304.	1.2	53
22	Effects of BDNF polymorphism and physical activity on episodic memory in the elderly: a cross sectional study. <i>European Review of Aging and Physical Activity</i> , 2015, 12, 15.	2.9	49
23	An Integrative Model of Effortful Control. <i>Frontiers in Systems Neuroscience</i> , 2019, 13, 79.	2.5	36
24	Contribution of four lifelong factors of cognitive reserve on late cognition in normal aging and Parkinson's disease. <i>Journal of Clinical and Experimental Neuropsychology</i> , 2017, 39, 142-162.	1.3	35
25	The effects of achievement motivation, task difficulty, and goal difficulty on physiological, behavioral, and subjective effort. <i>Psychophysiology</i> , 2008, 45, 859-868.	2.4	34
26	Night and postexercise cardiac autonomic control in functional overreaching. <i>Applied Physiology, Nutrition and Metabolism</i> , 2013, 38, 200-208.	1.9	30
27	Working Memory, Cognitive Load and Cardiorespiratory Fitness: Testing the CRUNCH Model with Near-Infrared Spectroscopy. <i>Brain Sciences</i> , 2019, 9, 38.	2.3	27
28	Age-Related Differences in the Preparatory Processes of Motor Programming. <i>Journal of Experimental Child Psychology</i> , 1998, 69, 49-65.	1.4	25
29	Dual-task Performance in Young and Older Adults: Speed-Accuracy Tradeoffs in Choice Responding While Treadmill Walking. <i>Journal of Aging and Physical Activity</i> , 2014, 22, 557-563.	1.0	20
30	Resting Heart Rate Predicts Depression and Cognition Early after Ischemic Stroke: A Pilot Study. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2017, 26, 2435-2441.	1.6	20
31	The Attentional Cost of Amplitude and Directional Requirements When Pointing to Targets. <i>Quarterly Journal of Experimental Psychology Section A: Human Experimental Psychology</i> , 1994, 47, 481-495.	2.3	19
32	Effects of a low dose of transdermal nicotine on information processing. <i>Nicotine and Tobacco Research</i> , 2002, 4, 275-285.	2.6	17
33	Overproduction Timing Errors in Expert Dancers. <i>Journal of Motor Behavior</i> , 2008, 40, 291-300.	0.9	16
34	Swimming as a Positive Moderator of Cognitive Aging: A Cross-Sectional Study with a Multitask Approach. <i>Journal of Aging Research</i> , 2012, 2012, 1-12.	0.9	15
35	The impact of physical activity and sex differences on intraindividual variability in inhibitory performance in older adults. <i>Aging, Neuropsychology, and Cognition</i> , 2019, 26, 1-23.	1.3	15
36	Interaction between BDNF Polymorphism and Physical Activity on Inhibitory Performance in the Elderly without Cognitive Impairment. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 541.	2.0	14

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37	Efficiency of Sensorimotor Networks: Posture and Gait in Young and Older Adults. <i>Experimental Aging Research</i> , 2019, 45, 41-56.	1.2	14
38	No ego-depletion effect without a good control task. <i>Psychology of Sport and Exercise</i> , 2021, 57, 102033.	2.1	14
39	The Reticular-Activating Hypofrontality (RAH) Model of Acute Exercise. , 2016, , 147-166.		13
40	Assessing Muscular Oxygenation During Incremental Exercise Using Near-Infrared Spectroscopy: Comparison of Three Different Methods. <i>Physiological Research</i> , 2017, 66, 979-985.	0.9	13
41	Age Differences in Using Precued Information to Preprogram Interception of a Ball. <i>Perceptual and Motor Skills</i> , 1997, 85, 123-127.	1.3	9
42	Perceptual factors contribute to akinesia in Parkinson's disease. <i>Experimental Brain Research</i> , 2007, 179, 245-253.	1.5	8
43	Cognitive Strategies and Physical Activity in Older Adults: A Discriminant Analysis. <i>Journal of Aging Research</i> , 2018, 2018, 1-9.	0.9	8
44	How does achievement motivation influence mental effort mobilization? Physiological evidence of deteriorative effects of negative affects on the level of engagement. <i>International Journal of Psychophysiology</i> , 2009, 74, 236-242.	1.0	7
45	Dietary patterns in French home-living older adults: Results from the PRAUSE study. <i>Archives of Gerontology and Geriatrics</i> , 2017, 70, 180-185.	3.0	5
46	Dietary patterns in french home-living older adults: Results from the PRAUSE study. <i>Archives of Gerontology and Geriatrics</i> , 2018, 74, 88-93.	3.0	5
47	Acute Effects of Low- and High-Speed Resistance Exercise on Cognitive Function in Frail Older Nursing-Home Residents: A Randomized Crossover Study. <i>Journal of Aging Research</i> , 2021, 2021, 1-10.	0.9	5
48	Coût attentionnel d'une tâche de pédalage en fonction de l'intensité de l'exercice. <i>Science and Sports</i> , 1998, 13, 81-83.	0.5	4
49	Training Willpower: Reducing Costs and Valuing Effort. <i>Frontiers in Neuroscience</i> , 2022, 16, 699817.	2.8	4
50	Local Muscular Fatigue and Attentional Processes in a Fencing Task. <i>Perceptual and Motor Skills</i> , 2000, 90, 315-318.	1.3	3
51	The effect of expertise on spatial and temporal representations of a choreographed dance solo. <i>International Journal of Sport and Exercise Psychology</i> , 2003, 1, 372-389.	2.1	3
52	Summary and Direction for Future Research. , 0, , 307-317.		1
53	A Chronometric and Electromyographic Approach to the Effect of Exercise on Reaction Time. , 0, , 153-159.		1
54	The moderating effect of BDNF Val66Met polymorphism on inhibitory control in elderly individuals. , 2021, , 79-89.		1

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55	The Immediate and Delayed Effects of Acute Exercise on Low- and High-level Processing Tasks. <i>Medicine and Science in Sports and Exercise</i> , 2008, 40, S90.	0.4	1
56	Étude des processus de généralisation et d'inhibition des ajustements posturaux anticipés lors d'un paradigme stop. <i>Science Et Motricite</i> , 2008, , 83-92.	0.3	1
57	Working Memory Resource Depletion Effect in Academic Learning: Steps to an Integrated Approach. <i>Communications in Computer and Information Science</i> , 2020, , 13-26.	0.5	1
58	Good Physical Fitness Counteracts Deleterious Effect Of Aging On Executive Functions: A Cross-sectional Study. <i>Medicine and Science in Sports and Exercise</i> , 2011, 43, 260.	0.4	0
59	Evaluation Of VO2max By Field Tests In Older People: Effects Of 2 Different Exercise Programs. <i>Medicine and Science in Sports and Exercise</i> , 2011, 43, 935.	0.4	0
60	Facilitating Effect of Acute Exercise on Choice Reaction Time. <i>Medicine and Science in Sports and Exercise</i> , 2007, 39, S329.	0.4	0
61	Further Evidence of Independence Between the Motive to Achieve Success and the Motive to Avoid Failure: A Confirmatory Factor Analysis. <i>Psychologica Belgica</i> , 2013, 51, 93.	1.9	0
62	Vieillesse, exercice et cognition: les connexions entre cœur et cerveau. , 2012, , 199-215.		0
63	Overcoming Barriers. <i>Medicine and Science in Sports and Exercise</i> , 2014, 46, 468.	0.4	0