

Vincent Koppelmans

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

1,954
citations

331259

21
h-index

264894

42
g-index

45
all docs

45
docs citations

45
times ranked

2319
citing authors

#	ARTICLE	IF	CITATIONS
1	Neuropsychological Performance in Survivors of Breast Cancer More Than 20 Years After Adjuvant Chemotherapy. <i>Journal of Clinical Oncology</i> , 2012, 30, 1080-1086.	0.8	408
2	Global and focal brain volume in long-term breast cancer survivors exposed to adjuvant chemotherapy. <i>Breast Cancer Research and Treatment</i> , 2012, 132, 1099-1106.	1.1	145
3	Brain structural plasticity with spaceflight. <i>Npj Microgravity</i> , 2016, 2, 2.	1.9	107
4	Multimodal MRI and cognitive function in patients with breast cancer prior to adjuvant treatment – The role of fatigue. <i>NeuroImage: Clinical</i> , 2015, 7, 547-554.	1.4	104
5	Spaceflight-Associated Brain White Matter Microstructural Changes and Intracranial Fluid Redistribution. <i>JAMA Neurology</i> , 2019, 76, 412.	4.5	103
6	Global and focal white matter integrity in breast cancer survivors 20 years after adjuvant chemotherapy. <i>Human Brain Mapping</i> , 2014, 35, 889-899.	1.9	98
7	Associations between age, motor function, and resting state sensorimotor network connectivity in healthy older adults. <i>NeuroImage</i> , 2015, 108, 47-59.	2.1	90
8	Study protocol to examine the effects of spaceflight and a spaceflight analog on neurocognitive performance: extent, longevity, and neural bases. <i>BMC Neurology</i> , 2013, 13, 205.	0.8	77
9	Brain plasticity and sensorimotor deterioration as a function of 70 days head down tilt bed rest. <i>PLoS ONE</i> , 2017, 12, e0182236.	1.1	75
10	Structural and functional connectivity in healthy aging: Associations for cognition and motor behavior. <i>Human Brain Mapping</i> , 2016, 37, 855-867.	1.9	66
11	Late effects of adjuvant chemotherapy for adult onset non-CNS cancer; cognitive impairment, brain structure and risk of dementia. <i>Critical Reviews in Oncology/Hematology</i> , 2013, 88, 87-101.	2.0	59
12	Effects of a spaceflight analog environment on brain connectivity and behavior. <i>NeuroImage</i> , 2016, 141, 18-30.	2.1	58
13	Regional cerebellar volumetric correlates of manual motor and cognitive function. <i>Brain Structure and Function</i> , 2017, 222, 1929-1944.	1.2	49
14	Increased Brain Activation for Dual Tasking with 70-Days Head-Down Bed Rest. <i>Frontiers in Systems Neuroscience</i> , 2016, 10, 71.	1.2	46
15	Vestibular brain changes within 70 days of head down bed rest. <i>Human Brain Mapping</i> , 2018, 39, 2753-2763.	1.9	43
16	Cerebellar gray and white matter volume and their relation with age and manual motor performance in healthy older adults. <i>Human Brain Mapping</i> , 2015, 36, 2352-2363.	1.9	40
17	Exercise as potential countermeasure for the effects of 70 days of bed rest on cognitive and sensorimotor performance. <i>Frontiers in Systems Neuroscience</i> , 2015, 9, 121.	1.2	40
18	Brain and Behavioral Evidence for Reweighting of Vestibular Inputs with Long-Duration Spaceflight. <i>Cerebral Cortex</i> , 2022, 32, 755-769.	1.6	39

#	ARTICLE	IF	CITATIONS
19	Prevalence of Cerebral Small-Vessel Disease in Long-Term Breast Cancer Survivors Exposed to Both Adjuvant Radiotherapy and Chemotherapy. <i>Journal of Clinical Oncology</i> , 2015, 33, 588-593.	0.8	38
20	Executive Functions in Healthy Older Adults Are Differentially Related to Macro- and Microstructural White Matter Characteristics of the Cerebral Lobes. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 373.	1.7	38
21	Neural predictors of sensorimotor adaptation rate and savings. <i>Human Brain Mapping</i> , 2018, 39, 1516-1531.	1.9	28
22	Intracranial Fluid Redistribution But No White Matter Microstructural Changes During a Spaceflight Analog. <i>Scientific Reports</i> , 2017, 7, 3154.	1.6	27
23	Impulsivity in Parkinson's Disease Is Associated With Alterations in Affective and Sensorimotor Striatal Networks. <i>Frontiers in Neurology</i> , 2018, 9, 279.	1.1	26
24	Neural correlates of multi-day learning and savings in sensorimotor adaptation. <i>Scientific Reports</i> , 2018, 8, 14286.	1.6	24
25	Change of cortical foot activation following 70 days of head-down bed rest. <i>Journal of Neurophysiology</i> , 2018, 119, 2145-2152.	0.9	22
26	Incidental findings on brain Magnetic Resonance Imaging in long-term survivors of breast cancer treated with adjuvant chemotherapy. <i>European Journal of Cancer</i> , 2011, 47, 2531-2536.	1.3	21
27	Effects of Spaceflight Stressors on Brain Volume, Microstructure, and Intracranial Fluid Distribution. <i>Cerebral Cortex Communications</i> , 2021, 2, tgab022.	0.7	13
28	Neural Mechanisms of Motor Dysfunction in Mild Cognitive Impairment and Alzheimer's Disease: A Systematic Review. <i>Journal of Alzheimer's Disease Reports</i> , 2022, 6, 307-344.	1.2	12
29	Exercise effects on bed rest-induced brain changes. <i>PLoS ONE</i> , 2018, 13, e0205515.	1.1	8
30	Repeatable battery for the assessment of neuropsychological status and its relationship to biomarkers of Alzheimer's disease. <i>Clinical Neuropsychologist</i> , 2023, 37, 157-173.	1.5	8
31	Long-term effects of adjuvant treatment for breast cancer on carotid plaques and brain perfusion. <i>Breast Cancer Research and Treatment</i> , 2021, 186, 167-176.	1.1	7
32	Cognition in Motion: Evidence for Intact Action Control With Healthy Aging. <i>Journals of Gerontology - Series B Psychological Sciences and Social Sciences</i> , 2021, 76, 252-261.	2.4	6
33	Trait Anxiety as a Risk Factor for Impulse Control Disorders in de novo Parkinson's Disease. <i>Journal of Parkinson's Disease</i> , 2022, 12, 689-697.	1.5	6
34	Novelty exposure induces stronger sensorimotor representations during a manual adaptation task. <i>Annals of the New York Academy of Sciences</i> , 2022, 1510, 68-78.	1.8	5
35	Cortical thickness of primary motor and vestibular brain regions predicts recovery from fall and balance directly after spaceflight. <i>Brain Structure and Function</i> , 2022, 227, 2073-2086.	1.2	5
36	Risk for opioid misuse in chronic pain patients is associated with endogenous opioid system dysregulation. <i>Translational Psychiatry</i> , 2022, 12, 20.	2.4	3

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37	Using Network Parcels and Resting-State Networks to Estimate Correlates of Mood Disorder and Related Research Domain Criteria Constructs of Reward Responsiveness and Inhibitory Control. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2021, , .	1.1	2
38	Unique and joint associations of polygenic risk for major depression and opioid use disorder with endogenous opioid system function. <i>Neuropsychopharmacology</i> , 2022, 47, 1784-1790.	2.8	2
39	Sensory and Sensorimotor Changes with Spaceflight: Implications for Functional Performance. , 2017, , 225-251.		1
40	Mechanisms Underlying Exercise as a Treatment for Depression. <i>American Journal of Geriatric Psychiatry</i> , 2019, 27, 617-618.	0.6	1
41	Longitudinal surface-based spatial Bayesian GLM reveals complex trajectories of motor neurodegeneration in ALS. <i>NeuroImage</i> , 2022, , 119180.	2.1	1
42	Neuropeptide Y Variation Is Associated With Altered Static and Dynamic Functional Connectivity of the Salience Network. <i>Frontiers in Systems Neuroscience</i> , 2021, 15, 629488.	1.2	1
43	Motor dysfunction as a marker for mild cognitive impairment and Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2020, 16, e047309.	0.4	0
44	Motor proficiency composite scores as a novel biomarker for Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.4	0