

# Vincent Koppelmans

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

38  
papers

1,349  
citations

19  
h-index

36  
g-index

45  
ext. papers

1,716  
ext. citations

4.8  
avg, IF

4.37  
L-index

#	Paper	IF	Citations
38	Risk for opioid misuse in chronic pain patients is associated with endogenous opioid system dysregulation.. <i>Translational Psychiatry</i> , <b>2022</b> , 12, 20	8.6	0
37	Longitudinal surface-based spatial Bayesian GLM reveals complex trajectories of motor neurodegeneration in ALS.. <i>NeuroImage</i> , <b>2022</b> , 119180	7.9	0
36	Cortical thickness of primary motor and vestibular brain regions predicts recovery from fall and balance directly after spaceflight.. <i>Brain Structure and Function</i> , <b>2022</b> , 1	4	0
35	Repeatable battery for the assessment of neuropsychological status and its relationship to biomarkers of Alzheimer's disease. <i>Clinical Neuropsychologist</i> , <b>2021</b> , 1-17	4.4	2
34	Cognition in Motion: Evidence for Intact Action Control With Healthy Aging. <i>Journals of Gerontology - Series B Psychological Sciences and Social Sciences</i> , <b>2021</b> , 76, 252-261	4.6	2
33	Long-term effects of adjuvant treatment for breast cancer on carotid plaques and brain perfusion. <i>Breast Cancer Research and Treatment</i> , <b>2021</b> , 186, 167-176	4.4	1
32	Effects of Spaceflight Stressors on Brain Volume, Microstructure, and Intracranial Fluid Distribution. <i>Cerebral Cortex Communications</i> , <b>2021</b> , 2, tgab022	1.9	3
31	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> , <b>2021</b> ,	3.4	1
30	Brain and Behavioral Evidence for Reweighting of Vestibular Inputs with Long-Duration Spaceflight. <i>Cerebral Cortex</i> , <b>2021</b> ,	5.1	8
29	Neuropeptide Y Variation Is Associated With Altered Static and Dynamic Functional Connectivity of the Salience Network. <i>Frontiers in Systems Neuroscience</i> , <b>2021</b> , 15, 629488	3.5	0
28	Motor dysfunction as a marker for mild cognitive impairment and Alzheimer's disease. <i>Alzheimer's and Dementia</i> , <b>2020</b> , 16, e047309	1.2	
27	Spaceflight-Associated Brain White Matter Microstructural Changes and Intracranial Fluid Redistribution. <i>JAMA Neurology</i> , <b>2019</b> , 76, 412-419	17.2	65
26	Neural predictors of sensorimotor adaptation rate and savings. <i>Human Brain Mapping</i> , <b>2018</b> , 39, 1516-1534	5.4	18
25	Vestibular brain changes within 70 days of head down bed rest. <i>Human Brain Mapping</i> , <b>2018</b> , 39, 2753-2763	5.3	26
24	Change of cortical foot activation following 70 days of head-down bed rest. <i>Journal of Neurophysiology</i> , <b>2018</b> , 119, 2145-2152	3.2	14
23	Impulsivity in Parkinson's Disease Is Associated With Alterations in Affective and Sensorimotor Striatal Networks. <i>Frontiers in Neurology</i> , <b>2018</b> , 9, 279	4.1	17
22	Exercise effects on bed rest-induced brain changes. <i>PLoS ONE</i> , <b>2018</b> , 13, e0205515	3.7	5

21	Neural correlates of multi-day learning and savings in sensorimotor adaptation. <i>Scientific Reports</i> , <b>2018</b> , 8, 14286	4.9	12
20	Sensory and Sensorimotor Changes with Spaceflight: Implications for Functional Performance <b>2017</b> , 225-251		1
19	Brain plasticity and sensorimotor deterioration as a function of 70 days head down tilt bed rest. <i>PLoS ONE</i> , <b>2017</b> , 12, e0182236	3.7	47
18	Intracranial Fluid Redistribution But No White Matter Microstructural Changes During a Spaceflight Analog. <i>Scientific Reports</i> , <b>2017</b> , 7, 3154	4.9	17
17	Regional cerebellar volumetric correlates of manual motor and cognitive function. <i>Brain Structure and Function</i> , <b>2017</b> , 222, 1929-1944	4	25
16	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> , <b>2017</b> , 9, 373	5.3	22
15	Effects of a spaceflight analog environment on brain connectivity and behavior. <i>NeuroImage</i> , <b>2016</b> , 141, 18-30	7.9	39
14	Structural and functional connectivity in healthy aging: Associations for cognition and motor behavior. <i>Human Brain Mapping</i> , <b>2016</b> , 37, 855-67	5.9	41
13	Increased Brain Activation for Dual Tasking with 70-Days Head-Down Bed Rest. <i>Frontiers in Systems Neuroscience</i> , <b>2016</b> , 10, 71	3.5	31
12	Brain structural plasticity with spaceflight. <i>Npj Microgravity</i> , <b>2016</b> , 2, 2	5.3	72
11	Multimodal MRI and cognitive function in patients with breast cancer prior to adjuvant treatment--the role of fatigue. <i>NeuroImage: Clinical</i> , <b>2015</b> , 7, 547-54	5.3	82
10	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> , <b>2015</b> , 33, 588-93	2.2	33
9	Cerebellar gray and white matter volume and their relation with age and manual motor performance in healthy older adults. <i>Human Brain Mapping</i> , <b>2015</b> , 36, 2352-63	5.9	34
8	Exercise as potential countermeasure for the effects of 70 days of bed rest on cognitive and sensorimotor performance. <i>Frontiers in Systems Neuroscience</i> , <b>2015</b> , 9, 121	3.5	28
7	Associations between age, motor function, and resting state sensorimotor network connectivity in healthy older adults. <i>NeuroImage</i> , <b>2015</b> , 108, 47-59	7.9	61
6	Global and focal white matter integrity in breast cancer survivors 20 years after adjuvant chemotherapy. <i>Human Brain Mapping</i> , <b>2014</b> , 35, 889-99	5.9	85
5	Study protocol to examine the effects of spaceflight and a spaceflight analog on neurocognitive performance: extent, longevity, and neural bases. <i>BMC Neurology</i> , <b>2013</b> , 13, 205	3.1	55
4	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> , <b>2013</b> , 88, 87-101	7	53

3	Global and focal brain volume in long-term breast cancer survivors exposed to adjuvant chemotherapy. <i>Breast Cancer Research and Treatment</i> , <b>2012</b> , 132, 1099-106	4.4	122
2	Neuropsychological performance in survivors of breast cancer more than 20 years after adjuvant chemotherapy. <i>Journal of Clinical Oncology</i> , <b>2012</b> , 30, 1080-6	2.2	307
1	Incidental findings on brain Magnetic Resonance Imaging in long-term survivors of breast cancer treated with adjuvant chemotherapy. <i>European Journal of Cancer</i> , <b>2011</b> , 47, 2531-6	7.5	19