

# Mathieu Vandenbulcke

## List of Publications by Year in descending order

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Version: 2024-02-01

94  
papers

3,632  
citations

126907

33  
h-index

155660

55  
g-index

97  
all docs

97  
docs citations

97  
times ranked

5565  
citing authors

#	ARTICLE	IF	CITATIONS
1	Longitudinal Assessment of Chemotherapy-Induced Structural Changes in Cerebral White Matter and Its Correlation With Impaired Cognitive Functioning. <i>Journal of Clinical Oncology</i> , 2012, 30, 274-281.	1.6	334
2	Chemotherapy-induced structural changes in cerebral white matter and its correlation with impaired cognitive functioning in breast cancer patients. <i>Human Brain Mapping</i> , 2011, 32, 480-493.	3.6	228
3	Age-related microstructural differences quantified using myelin water imaging and advanced diffusion MRI. <i>Neurobiology of Aging</i> , 2015, 36, 2107-2121.	3.1	183
4	Recommendations to distinguish behavioural variant frontotemporal dementia from psychiatric disorders. <i>Brain</i> , 2020, 143, 1632-1650.	7.6	158
5	Characterizing the microstructural basis of "unidentified bright objects" in neurofibromatosis type 1: A combined in vivo multicomponent T2 relaxation and multi-shell diffusion MRI analysis. <i>NeuroImage: Clinical</i> , 2014, 4, 649-658.	2.7	92
6	Brain Imaging of Alzheimer Dementia Patients and Elderly Controls with <sup>18</sup> F-MK-6240, a PET Tracer Targeting Neurofibrillary Tangles. <i>Journal of Nuclear Medicine</i> , 2019, 60, 107-114.	5.0	92
7	Necrosome complex detected in granulovacuolar degeneration is associated with neuronal loss in Alzheimer's disease. <i>Acta Neuropathologica</i> , 2020, 139, 463-484.	7.7	91
8	Relationship Between Hippocampal Volume, Serum BDNF, and Depression Severity Following Electroconvulsive Therapy in Late-Life Depression. <i>Neuropsychopharmacology</i> , 2016, 41, 2741-2748.	5.4	87
9	Clinical features of TBK1 carriers compared with C9orf72, GRN and non-mutation carriers in a Belgian cohort. <i>Brain</i> , 2016, 139, 452-467.	7.6	86
10	Grey matter volume increase following electroconvulsive therapy in patients with late life depression: a longitudinal MRI study. <i>Journal of Psychiatry and Neuroscience</i> , 2016, 41, 105-114.	2.4	84
11	Brain Changes Induced by Electroconvulsive Therapy Are Broadly Distributed. <i>Biological Psychiatry</i> , 2020, 87, 451-461.	1.3	72
12	What are the factors associated with physical activity (PA) participation in community dwelling adults with dementia? A systematic review of PA correlates. <i>Archives of Gerontology and Geriatrics</i> , 2014, 59, 195-203.	3.0	67
13	Longitudinal Assessment of Chemotherapy-Induced Alterations in Brain Activation During Multitasking and Its Relation With Cognitive Complaints. <i>Journal of Clinical Oncology</i> , 2014, 32, 2031-2038.	1.6	66
14	Knowledge of visual attributes in the right hemisphere. <i>Nature Neuroscience</i> , 2006, 9, 964-970.	14.8	63
15	Word Reading and Posterior Temporal Dysfunction in Amnesic Mild Cognitive Impairment. <i>Cerebral Cortex</i> , 2006, 17, 542-551.	2.9	63
16	Investigating the role of ALS genes CHCHD10 and TUBA4A in Belgian FTD-ALS spectrum patients. <i>Neurobiology of Aging</i> , 2017, 51, 177.e9-177.e16.	3.1	60
17	No Association of Lower Hippocampal Volume With Alzheimer's Disease Pathology in Late-Life Depression. <i>American Journal of Psychiatry</i> , 2017, 174, 237-245.	7.2	59
18	Early- and Late-Onset Depression in Late Life: A Prospective Study on Clinical and Structural Brain Characteristics and Response to Electroconvulsive Therapy. <i>American Journal of Geriatric Psychiatry</i> , 2017, 25, 178-189.	1.2	59

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19	APP Processing in Human Pluripotent Stem Cell-Derived Neurons Is Resistant to NSAID-Based $\beta$ -Secretase Modulation. <i>Stem Cell Reports</i> , 2013, 1, 491-498.	4.8	58
20	Lateralization for dynamic facial expressions in human superior temporal sulcus. <i>NeuroImage</i> , 2015, 106, 340-352.	4.2	56
21	In vivo synaptic density loss is related to tau deposition in amnesic mild cognitive impairment. <i>Neurology</i> , 2020, 95, e545-e553.	1.1	56
22	Anterior temporal laterality in primary progressive aphasia shifts to the right. <i>Annals of Neurology</i> , 2005, 58, 362-370.	5.3	54
23	Recovery from chemotherapy-induced white matter changes in young breast cancer survivors?. <i>Brain Imaging and Behavior</i> , 2018, 12, 64-77.	2.1	52
24	A European Academy of Neurology guideline on medical management issues in dementia. <i>European Journal of Neurology</i> , 2020, 27, 1805-1820.	3.3	52
25	Dissimilar processing of emotional facial expressions in human and monkey temporal cortex. <i>NeuroImage</i> , 2013, 66, 402-411.	4.2	51
26	In vivo type 1 cannabinoid receptor availability in Alzheimer's disease. <i>European Neuropsychopharmacology</i> , 2014, 24, 242-250.	0.7	51
27	Impaired recognition of body expressions in the behavioral variant of frontotemporal dementia. <i>Neuropsychologia</i> , 2015, 75, 496-504.	1.6	47
28	How affective information from faces and scenes interacts in the brain. <i>Social Cognitive and Affective Neuroscience</i> , 2014, 9, 1481-1488.	3.0	43
29	The neuropsychology and neurobiology of late-onset schizophrenia and very-late-onset schizophrenia-like psychosis: A critical review. <i>Neuroscience and Biobehavioral Reviews</i> , 2017, 83, 604-621.	6.1	43
30	Mild cognitive impairment and physical activity in the general population: Findings from six low- and middle-income countries. <i>Experimental Gerontology</i> , 2017, 100, 100-105.	2.8	43
31	Amyloid imaging in cognitively normal older adults: comparison between $^{18}\text{F}$ -flutemetamol and $^{11}\text{C}$ -Pittsburgh compound B. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2016, 43, 142-151.	6.4	41
32	Functional dissociation between anterior temporal lobe and inferior frontal gyrus in the processing of dynamic body expressions: Insights from behavioral variant frontotemporal dementia. <i>Human Brain Mapping</i> , 2016, 37, 4472-4486.	3.6	39
33	Long-term neurocognitive functioning after electroconvulsive therapy in patients with late-life depression. <i>Acta Psychiatrica Scandinavica</i> , 2018, 138, 223-231.	4.5	38
34	The Neuropsychological Profile and Phenomenology of Late Onset Psychosis: A Cross-sectional Study on the Differential Diagnosis of Very-Late-Onset Schizophrenia-Like Psychosis, Dementia with Lewy Bodies and Alzheimer's Type Dementia with Psychosis. <i>Archives of Clinical Neuropsychology</i> , 2019, 34, 183-199.	0.5	38
35	Common neural correlates of emotion perception in humans. <i>Human Brain Mapping</i> , 2015, 36, 4184-4201.	3.6	35
36	Amygdala atrophy affects emotion-related activity in face-responsive regions in frontotemporal degeneration. <i>Cortex</i> , 2016, 82, 179-191.	2.4	34

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37	Effects of a mindfulness-based intervention on cancer-related cognitive impairment: Results of a randomized controlled functional magnetic resonance imaging pilot study. <i>Cancer</i> , 2020, 126, 4246-4255.	4.1	32
38	Structural changes induced by electroconvulsive therapy are associated with clinical outcome. <i>Brain Stimulation</i> , 2020, 13, 696-704.	1.6	31
39	Synaptic density in healthy human aging is not influenced by age or sex: a 11C-UCB-J PET study. <i>NeuroImage</i> , 2021, 232, 117877.	4.2	31
40	Functional brain changes underlying irritability in premanifest Huntington's disease. <i>Human Brain Mapping</i> , 2015, 36, 2681-2690.	3.6	30
41	Ghosts from the past? The association between childhood interpersonal trauma, attachment and anxiety and depression in late life. <i>Aging and Mental Health</i> , 2020, 24, 898-905.	2.8	30
42	Combination of snapshot hyperspectral retinal imaging and optical coherence tomography to identify Alzheimer's disease patients. <i>Alzheimer's Research and Therapy</i> , 2020, 12, 144.	6.2	29
43	The efficacy of exergaming in people with major neurocognitive disorder residing in long-term care facilities: a pilot randomized controlled trial. <i>Alzheimer's Research and Therapy</i> , 2021, 13, 70.	6.2	28
44	3D Shape Perception in Posterior Cortical Atrophy: A Visual Neuroscience Perspective. <i>Journal of Neuroscience</i> , 2015, 35, 12673-12692.	3.6	27
45	Corpus callosum macro and microstructure in late-life depression. <i>Journal of Affective Disorders</i> , 2017, 222, 63-70.	4.1	27
46	MMSE Changes During and After ECT in Late-Life Depression: A Prospective Study. <i>American Journal of Geriatric Psychiatry</i> , 2019, 27, 934-944.	1.2	26
47	Direct prospective comparison of 18F-FDG PET and arterial spin labelling MR using simultaneous PET/MR in patients referred for diagnosis of dementia. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2020, 47, 2142-2154.	6.4	25
48	Rare Variants in <i>PLD3</i> Do Not Affect Risk for Early-Onset Alzheimer Disease in a European Consortium Cohort. <i>Human Mutation</i> , 2015, 36, 1226-1235.	2.5	23
49	An atlas of white matter anatomy, its variability, and reproducibility based on constrained spherical deconvolution of diffusion MRI. <i>NeuroImage</i> , 2022, 254, 119029.	4.2	23
50	Cholinergic depletion and basal forebrain volume in primary progressive aphasia. <i>NeuroImage: Clinical</i> , 2017, 13, 271-279.	2.7	22
51	Mild cognitive impairment and sedentary behavior: A multinational study. <i>Experimental Gerontology</i> , 2018, 108, 174-180.	2.8	22
52	Regional changes in the type 1 cannabinoid receptor are associated with cognitive dysfunction in Parkinson's disease. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2019, 46, 2348-2357.	6.4	21
53	Multivariate analysis reveals anatomical correlates of naming errors in primary progressive aphasia. <i>Neurobiology of Aging</i> , 2020, 88, 71-82.	3.1	21
54	Inflammation and remission in older patients with depression treated with electroconvulsive therapy; findings from the MODECT study. <i>Journal of Affective Disorders</i> , 2019, 256, 509-516.	4.1	20

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55	Reduced tendency to attribute mental states to abstract shapes in behavioral variant frontotemporal dementia links with cerebellar structural integrity. <i>NeuroImage: Clinical</i> , 2019, 22, 101770.	2.7	20
56	Rare nonsynonymous variants in SORT1 are associated with increased risk for frontotemporal dementia. <i>Neurobiology of Aging</i> , 2018, 66, 181.e3-181.e10.	3.1	19
57	Sources of well-being for older adults with and without dementia in residential care: relations to presence of meaning and life satisfaction. <i>Aging and Mental Health</i> , 2021, 25, 170-178.	2.8	19
58	Behavioral Symptoms in Premanifest Huntington Disease Correlate with Reduced Frontal CB <sub>1</sub> R Levels. <i>Journal of Nuclear Medicine</i> , 2019, 60, 115-121.	5.0	18
59	Hippocampal volume change following ECT is mediated by rs699947 in the promotor region of VEGF. <i>Translational Psychiatry</i> , 2019, 9, 191.	4.8	17
60	Association between hippocampal volume change and change in memory following electroconvulsive therapy in late-life depression. <i>Acta Psychiatrica Scandinavica</i> , 2019, 140, 435-445.	4.5	16
61	Exergames in people with major neurocognitive disorder: a systematic review. <i>Disability and Rehabilitation: Assistive Technology</i> , 2020, , 1-14.	2.2	16
62	Outcome after epilepsy surgery at the University Hospitals Leuven 1998–2012. <i>Acta Neurologica Belgica</i> , 2016, 116, 271-278.	1.1	15
63	No supportive evidence for TIA1 gene mutations in a European cohort of ALS-FTD spectrum patients. <i>Neurobiology of Aging</i> , 2018, 69, 293.e9-293.e11.	3.1	15
64	Spatial decrease of synaptic density in amnesic mild cognitive impairment follows the tau build-up pattern. <i>Molecular Psychiatry</i> , 2022, 27, 4244-4251.	7.9	15
65	Studying emotion theories through connectivity analysis: Evidence from generalized psychophysiological interactions and graph theory. <i>NeuroImage</i> , 2018, 172, 250-262.	4.2	14
66	Biophysical mechanisms of electroconvulsive therapy-induced volume expansion in the medial temporal lobe: A longitudinal in vivo human imaging study. <i>Brain Stimulation</i> , 2021, 14, 1038-1047.	1.6	14
67	Investigating the role of filamin C in Belgian patients with frontotemporal dementia linked to GRN deficiency in FTLD-TDP brains. <i>Acta Neuropathologica Communications</i> , 2015, 3, 68.	5.2	13
68	Electroconvulsive therapy response in late-life depression unaffected by age-related brain changes. <i>Journal of Affective Disorders</i> , 2019, 251, 114-120.	4.1	13
69	Exergaming for people with major neurocognitive disorder: a qualitative study. <i>Disability and Rehabilitation</i> , 2022, 44, 2044-2052.	1.8	12
70	Are Apathy and Depressive Symptoms Related to Vascular White Matter Hyperintensities in Severe Late Life Depression?. <i>Journal of Geriatric Psychiatry and Neurology</i> , 2021, 34, 21-28.	2.3	12
71	Changes in synaptic density in the subacute phase after ischemic stroke: A 11C-UCB-J PET/MR study. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, , 0271678X21110477.	4.3	12
72	Face shape and face identity processing in behavioral variant fronto-temporal dementia: A specific deficit for familiarity and name recognition of famous faces. <i>NeuroImage: Clinical</i> , 2016, 11, 368-377.	2.7	11

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73	Anterior Temporal Lobectomy Impairs Neural Classification of Body Emotions in Right Superior Temporal Sulcus and Reduces Emotional Enhancement in Distributed Brain Areas without Affecting Behavioral Classification. <i>Journal of Neuroscience</i> , 2018, 38, 9263-9274.	3.6	11
74	Reproducibility and Robustness of Graph Measures of the Associative-Semantic Network. <i>PLoS ONE</i> , 2014, 9, e115215.	2.5	10
75	Extended FTL D pedigree segregating a Belgian GRN-null mutation: neuropathological heterogeneity in one family. <i>Alzheimer's Research and Therapy</i> , 2018, 10, 7.	6.2	10
76	Exploring resting state connectivity in patients with psychotic depression. <i>PLoS ONE</i> , 2019, 14, e0209908.	2.5	10
77	Impact of meningeal uptake and partial volume correction techniques on [ <sup>18</sup> F]MK-6240 binding in aMCI patients and healthy controls. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2022, 42, 1236-1246.	4.3	10
78	Noun and knowledge retrieval for biological and non-biological entities following right occipitotemporal lesions. <i>Neuropsychologia</i> , 2014, 62, 163-174.	1.6	9
79	Correlates of sedentary behavior in middle-aged and old age people with mild cognitive impairment: a multinational study. <i>International Psychogeriatrics</i> , 2019, 31, 579-589.	1.0	8
80	The Leuven late life depression (L3D) study: PET-MRI biomarkers of pathological brain ageing in late-life depression: study protocol. <i>BMC Psychiatry</i> , 2021, 21, 64.	2.6	7
81	What Can We Learn About the Concept of Meaning in Life from Older Adults with Alzheimer's Disease? A Directed Content Analysis Study. <i>Journal of Happiness Studies</i> , 2021, 22, 2845-2871.	3.2	7
82	The course of apathy in late-life depression treated with electroconvulsive therapy; a prospective cohort study. <i>International Journal of Geriatric Psychiatry</i> , 2018, 33, 1253-1259.	2.7	6
83	An optimized MRI and PET based clinical protocol for improving the differential diagnosis of geriatric depression and Alzheimer's disease. <i>Psychiatry Research - Neuroimaging</i> , 2022, 320, 111443.	1.8	6
84	S100 calcium-binding protein B in older patients with depression treated with electroconvulsive therapy. <i>Psychoneuroendocrinology</i> , 2019, 110, 104414.	2.7	5
85	Frontotemporal Lobar Degeneration Case with an N-Terminal TUBA4A Mutation Exhibits Reduced TUBA4A Levels in the Brain and TDP-43 Pathology. <i>Biomolecules</i> , 2022, 12, 440.	4.0	5
86	Asymmetric Amyloid Deposition in the Brain Following Unilateral Electroconvulsive Therapy. <i>Biological Psychiatry</i> , 2017, 81, e11-e13.	1.3	4
87	The ratio and interaction between neurotrophin and immune signaling during electroconvulsive therapy in late-life depression. <i>Brain, Behavior, &amp; Immunity - Health</i> , 2021, 18, 100389.	2.5	4
88	Pathological Crying Associated With Fragile X-Associated Tremor/Ataxia Syndrome. <i>Journal of Neuropsychiatry and Clinical Neurosciences</i> , 2014, 26, E21-E22.	1.8	3
89	Cortisol is not associated with pre-treatment medial temporal lobe volume or volume changes after electroconvulsive therapy in patients with late-life depression. <i>Psychiatry Research - Neuroimaging</i> , 2019, 291, 26-33.	1.8	2
90	Living Meaningfully with Dementia. , 2022, , 63-80.		1

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91	O2-10-03: In vivo characterization of basal forebrain atrophy and cholinergic denervation in primary progressive aphasia. , 2015, 11, P198-P198.		0
92	Management Approaches for Behavioural and Psychological Symptoms of Dementia. , 2021, , 129-153.		0
93	Comparison of kinetic modelling strategies of N-[11C]-methylpiperidin-4-yl-propionate ([11C]-PMP) in normals and patients with mild cognitive impairment (MCI). Journal of Cerebral Blood Flow and Metabolism, 2005, 25, S593-S593.	4.3	0
94	Hippocampal volume as a vulnerability marker for late onset psychosis: Associations with memory function and childhood trauma. Schizophrenia Research, 2020, 224, 201-202.	2.0	0