Mathieu Vandenbulcke

List of Publications by Year
in descending order

94 papers	3,632 citations	126708 33 h-index	155451 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. Journal of Clinical Oncology, 2012, 30, 274-281.	0.8	334
2	Chemotherapyâ€induced structural changes in cerebral white matter and its correlation with impaired cognitive functioning in breast cancer patients. Human Brain Mapping, 2011, 32, 480-493.	1.9	228
3	Age-related microstructural differences quantified using myelin water imaging and advanced diffusion MRI. Neurobiology of Aging, 2015, 36, 2107-2121.	1.5	183
4	Recommendations to distinguish behavioural variant frontotemporal dementia from psychiatric disorders. Brain, 2020, 143, 1632-1650.	3.7	158
5	Characterizing the microstructural basis of â€œunidentified bright objectsâ€•in neurofibromatosis type 1: A combined in vivo multicomponent T2 relaxation and multi-shell diffusion MRI analysis. NeuroImage: Clinical, 2014, 4, 649-658.	1.4	92
6	Brain Imaging of Alzheimer Dementia Patients and Elderly Controls with ¹⁸F-MK-6240, a PET Tracer Targeting Neurofibrillary Tangles. Journal of Nuclear Medicine, 2019, 60, 107-114.	2.8	92
7	Necrosome complex detected in granulovacuolar degeneration is associated with neuronal loss in Alzheimerâ€™s disease. Acta Neuropathologica, 2020, 139, 463-484.	3.9	91
8	Relationship Between Hippocampal Volume, Serum BDNF, and Depression Severity Following Electroconvulsive Therapy in Late-Life Depression. Neuropsychopharmacology, 2016, 41, 2741-2748.	2.8	87
9	Clinical features ofTBK1carriers compared withC9orf72,GRNand non-mutation carriers in a Belgian cohort. Brain, 2016, 139, 452-467.	3.7	86
10	Grey matter volume increase following electroconvulsive therapy in patients with late life depression: a longitudinal MRI study. Journal of Psychiatry and Neuroscience, 2016, 41, 105-114.	1.4	84
11	Brain Changes Induced by Electroconvulsive Therapy Are Broadly Distributed. Biological Psychiatry, 2020, 87, 451-461.	0.7	72
12	What are the factors associated with physical activity (PA) participation in community dwelling adults with dementia? A systematic review of PA correlates. Archives of Gerontology and Geriatrics, 2014, 59, 195-203.	1.4	67
13	Longitudinal Assessment of Chemotherapy-Induced Alterations in Brain Activation During Multitasking and Its Relation With Cognitive Complaints. Journal of Clinical Oncology, 2014, 32, 2031-2038.	0.8	66
14	Knowledge of visual attributes in the right hemisphere. Nature Neuroscience, 2006, 9, 964-970.	7.1	63
15	Word Reading and Posterior Temporal Dysfunction in Amnestic Mild Cognitive Impairment. Cerebral Cortex, 2006, 17, 542-551.	1.6	63
16	Investigating the role of ALS genes CHCHD10 and TUBA4A in Belgian FTD-ALS spectrum patients. Neurobiology of Aging, 2017, 51, 177.e9-177.e16.	1.5	60
17	No Association of Lower Hippocampal Volume With Alzheimerâ€™s Disease Pathology in Late-Life Depression. American Journal of Psychiatry, 2017, 174, 237-245.	4.0	59
18	Early- and Late-Onset Depression in Late Life: A Prospective Study on Clinical and Structural Brain Characteristics and Response to Electroconvulsive Therapy. American Journal of Geriatric Psychiatry, 2017, 25, 178-189.	0.6	59

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19	APP Processing in Human Pluripotent Stem Cell-Derived Neurons Is Resistant to NSAID-Based Î³-Secretase Modulation. Stem Cell Reports, 2013, 1, 491-498.	2.3	58
20	Lateralization for dynamic facial expressions in human superior temporal sulcus. NeuroImage, 2015, 106, 340-352.	2.1	56
21	In vivo synaptic density loss is related to tau deposition in amnestic mild cognitive impairment. Neurology, 2020, 95, e545-e553.	1.5	56
22	Anterior temporal laterality in primary progressive aphasia shifts to the right. Annals of Neurology, 2005, 58, 362-370.	2.8	54
23	Recovery from chemotherapy-induced white matter changes in young breast cancer survivors?. Brain Imaging and Behavior, 2018, 12, 64-77.	1.1	52
24	A European Academy of Neurology guideline on medical management issues in dementia. European Journal of Neurology, 2020, 27, 1805-1820.	1.7	52
25	Dissimilar processing of emotional facial expressions in human and monkey temporal cortex. NeuroImage, 2013, 66, 402-411.	2.1	51
26	In vivo type 1 cannabinoid receptor availability in Alzheimer's disease. European Neuropsychopharmacology, 2014, 24, 242-250.	0.3	51
27	Impaired recognition of body expressions in the behavioral variant of frontotemporal dementia. Neuropsychologia, 2015, 75, 496-504.	0.7	47
28	How affective information from faces and scenes interacts in the brain. Social Cognitive and Affective Neuroscience, 2014, 9, 1481-1488.	1.5	43
29	The neuropsychology and neurobiology of late-onset schizophrenia and very-late-onset schizophrenia-like psychosis: A critical review. Neuroscience and Biobehavioral Reviews, 2017, 83, 604-621.	2.9	43
30	Mild cognitive impairment and physical activity in the general population: Findings from six low- and middle-income countries. Experimental Gerontology, 2017, 100, 100-105.	1.2	43
31	Amyloid imaging in cognitively normal older adults: comparison between 18F-flutemetamol and 11C-Pittsburgh compound B. European Journal of Nuclear Medicine and Molecular Imaging, 2016, 43, 142-151.	3.3	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. Human Brain Mapping, 2016, 37, 4472-4486.	1.9	39
33	Longâ€term neurocognitive functioning after electroconvulsive therapy in patients with lateâ€life depression. Acta Psychiatrica Scandinavica, 2018, 138, 223-231.	2.2	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 Alzheimerâ€™s Type Dementia with Psychosis. Archives of Clinical Neuropsychology, 2019, 34, 183-199.	0.3	38
35	Common neural correlates of emotion perception in humans. Human Brain Mapping, 2015, 36, 4184-4201.	1.9	35
36	Amygdala atrophy affects emotion-related activity in face-responsive regions in frontotemporal degeneration. Cortex, 2016, 82, 179-191.	1.1	34

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37	Effects of a mindfulnessâ€based intervention on cancerâ€related cognitive impairment: Results of a randomized controlled functional magnetic resonance imaging pilot study. Cancer, 2020, 126, 4246-4255.	2.0	32
38	Structural changes induced by electroconvulsive therapy are associated with clinical outcome. Brain Stimulation, 2020, 13, 696-704.	0.7	31
39	Synaptic density in healthy human aging is not influenced by age or sex: a 11C-UCB-J PET study. NeuroImage, 2021, 232, 117877.	2.1	31
40	Functional brain changes underlying irritability in premanifest <scp>H</scp>untington's disease. Human Brain Mapping, 2015, 36, 2681-2690.	1.9	30
41	Ghosts from the past? The association between childhood interpersonal trauma, attachment and anxiety and depression in late life. Aging and Mental Health, 2020, 24, 898-905.	1.5	30
42	Combination of snapshot hyperspectral retinal imaging and optical coherence tomography to identify Alzheimerâ€™s disease patients. Alzheimer's Research and Therapy, 2020, 12, 144.	3.0	29
43	The efficacy of exergaming in people with major neurocognitive disorder residing in long-term care facilities: a pilot randomized controlled trial. Alzheimer's Research and Therapy, 2021, 13, 70.	3.0	28
44	3D Shape Perception in Posterior Cortical Atrophy: A Visual Neuroscience Perspective. Journal of Neuroscience, 2015, 35, 12673-12692.	1.7	27
45	Corpus callosum macro and microstructure in late-life depression. Journal of Affective Disorders, 2017, 222, 63-70.	2.0	27
46	MMSE Changes During and After ECT in Late-Life Depression: AÂProspective Study. American Journal of Geriatric Psychiatry, 2019, 27, 934-944.	0.6	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. European Journal of Nuclear Medicine and Molecular Imaging, 2020, 47, 2142-2154.	3.3	25
48	Rare Variants inPLD3Do Not Affect Risk for Early-Onset Alzheimer Disease in a European Consortium Cohort. Human Mutation, 2015, 36, 1226-1235.	1.1	23
49	An atlas of white matter anatomy, its variability, and reproducibility based on constrained spherical deconvolution of diffusion MRI. NeuroImage, 2022, 254, 119029.	2.1	23
50	Cholinergic depletion and basal forebrain volume in primary progressive aphasia. NeuroImage: Clinical, 2017, 13, 271-279.	1.4	22
51	Mild cognitive impairment and sedentary behavior: A multinational study. Experimental Gerontology, 2018, 108, 174-180.	1.2	22
52	Regional changes in the type 1 cannabinoid receptor are associated with cognitive dysfunction in Parkinsonâ€™s disease. European Journal of Nuclear Medicine and Molecular Imaging, 2019, 46, 2348-2357.	3.3	21
53	Multivariate analysis reveals anatomical correlates of naming errors in primary progressive aphasia. Neurobiology of Aging, 2020, 88, 71-82.	1.5	21
54	Inflammation and remission in older patients with depression treated with electroconvulsive therapy; findings from the MODECT studyâœ°. Journal of Affective Disorders, 2019, 256, 509-516.	2.0	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. NeuroImage: Clinical, 2019, 22, 101770.	1.4	20
56	Rare nonsynonymous variants in SORT1 are associated with increased risk for frontotemporal dementia. Neurobiology of Aging, 2018, 66, 181.e3-181.e10.	1.5	19
57	Sources of well-being for older adults with and without dementia in residential care: relations to presence of meaning and life satisfaction. Aging and Mental Health, 2021, 25, 170-178.	1.5	19
58	Behavioral Symptoms in Premanifest Huntington Disease Correlate with Reduced Frontal CB₁R Levels. Journal of Nuclear Medicine, 2019, 60, 115-121.	2.8	18
59	Hippocampal volume change following ECT is mediated by rs699947 in the promotor region of VEGF. Translational Psychiatry, 2019, 9, 191.	2.4	17
60	Association between hippocampal volume change and change in memory following electroconvulsive therapy in lateâ€life depression. Acta Psychiatrica Scandinavica, 2019, 140, 435-445.	2.2	16
61	Exergames in people with major neurocognitive disorder: a systematic review. Disability and Rehabilitation: Assistive Technology, 2020, , 1-14.	1.3	16
62	Outcome after epilepsy surgery at the University Hospitals Leuven 1998â€“2012. Acta Neurologica Belgica, 2016, 116, 271-278.	0.5	15
63	No supportive evidence for TIA1 gene mutations in a European cohort of ALS-FTD spectrum patients. Neurobiology of Aging, 2018, 69, 293.e9-293.e11.	1.5	15
64	Spatial decrease of synaptic density in amnestic mild cognitive impairment follows the tau build-up pattern. Molecular Psychiatry, 2022, 27, 4244-4251.	4.1	15
65	Studying emotion theories through connectivity analysis: Evidence from generalized psychophysiological interactions and graph theory. NeuroImage, 2018, 172, 250-262.	2.1	14
66	Biophysical mechanisms of electroconvulsive therapy-induced volume expansion in the medial temporal lobe: A longitudinal inÂvivo human imaging study. Brain Stimulation, 2021, 14, 1038-1047.	0.7	14
67	Investigating the role of filamin C in Belgian patients with frontotemporal dementia linked to GRN deficiency in FTLD-TDP brains. Acta Neuropathologica Communications, 2015, 3, 68.	2.4	13
68	Electroconvulsive therapy response in late-life depression unaffected by age-related brain changes. Journal of Affective Disorders, 2019, 251, 114-120.	2.0	13
69	Exergaming for people with major neurocognitive disorder: a qualitative study. Disability and Rehabilitation, 2022, 44, 2044-2052.	0.9	12
70	Are Apathy and Depressive Symptoms Related to Vascular White Matter Hyperintensities in Severe Late Life Depression?. Journal of Geriatric Psychiatry and Neurology, 2021, 34, 21-28.	1.2	12
71	Changes in synaptic density in the subacute phase after ischemic stroke: A 11C-UCB-J PET/MR study. Journal of Cerebral Blood Flow and Metabolism, 2021, , 0271678X2110477.	2.4	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. NeuroImage: Clinical, 2016, 11, 368-377.	1.4	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. Journal of Neuroscience, 2018, 38, 9263-9274.	1.7	11
74	Reproducibility and Robustness of Graph Measures of the Associative-Semantic Network. PLoS ONE, 2014, 9, e115215.	1.1	10
75	Extended FTLD pedigree segregating a Belgian GRN-null mutation: neuropathological heterogeneity in one family. Alzheimer's Research and Therapy, 2018, 10, 7.	3.0	10
76	Exploring resting state connectivity in patients with psychotic depression. PLoS ONE, 2019, 14, e0209908.	1.1	10
77	Impact of meningeal uptake and partial volume correction techniques on [¹⁸F]MK-6240 binding in aMCI patients and healthy controls. Journal of Cerebral Blood Flow and Metabolism, 2022, 42, 1236-1246.	2.4	10
78	Noun and knowledge retrieval for biological and non-biological entities following right occipitotemporal lesions. Neuropsychologia, 2014, 62, 163-174.	0.7	9
79	Correlates of sedentary behavior in middle-aged and old age people with mild cognitive impairment: a multinational study. International Psychogeriatrics, 2019, 31, 579-589.	0.6	8
80	The Leuven late life depression (L3D) study: PET-MRI biomarkers of pathological brain ageing in late-life depression: study protocol. BMC Psychiatry, 2021, 21, 64.	1.1	7
81	What Can We Learn About the Concept of Meaning in Life from Older Adults with Alzheimerâ€™s Disease? A Directed Content Analysis Study. Journal of Happiness Studies, 2021, 22, 2845-2871.	1.9	7
82	The course of apathy in lateâ€life depression treated with electroconvulsive therapy; a prospective cohort study. International Journal of Geriatric Psychiatry, 2018, 33, 1253-1259.	1.3	6
83	An optimized MRI and PET based clinical protocol for improving the differential diagnosis of geriatric depression and Alzheimer's disease. Psychiatry Research - Neuroimaging, 2022, 320, 111443.	0.9	6
84	S100 calcium-binding protein B in older patients with depression treated with electroconvulsive therapy. Psychoneuroendocrinology, 2019, 110, 104414.	1.3	5
85	Frontotemporal Lobar Degeneration Case with an N-Terminal TUBA4A Mutation Exhibits Reduced TUBA4A Levels in the Brain and TDP-43 Pathology. Biomolecules, 2022, 12, 440.	1.8	5
86	Asymmetric Amyloid Deposition in the Brain Following Unilateral Electroconvulsive Therapy. Biological Psychiatry, 2017, 81, e11-e13.	0.7	4
87	The ratio and interaction between neurotrophin and immune signaling during electroconvulsive therapy in late-life depression. Brain, Behavior, & Immunity - Health, 2021, 18, 100389.	1.3	4
88	Pathological Crying Associated With Fragile X-Associated Tremor/Ataxia Syndrome. Journal of Neuropsychiatry and Clinical Neurosciences, 2014, 26, E21-E22.	0.9	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. Psychiatry Research - Neuroimaging, 2019, 291, 26-33.	0.9	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-proprionate ([11C]-PMP) in normals and patients with mild cognitive impairment (MCI). Journal of Cerebral Blood Flow and Metabolism, 2005, 25, S593-S593.	2.4	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.	1.1	0