Nikolai V Malykhin

List of Publications by Year
in descending order

33 papers	2,538 citations	257101 24 h-index	395343 33 g-index
38 all docs	38 docs citations	38 times ranked	4703 citing authors

#	Article	IF	Citations
1	Quantitative comparison of 21 protocols for labeling hippocampal subfields and parahippocampal subregions in in vivo MRI: Towards a harmonized segmentation protocol. NeuroImage, 2015, 111, 526-541.	2.1	284
2	Structural changes in the hippocampus in major depressive disorder: contributions of disease and treatment. Journal of Psychiatry and Neuroscience, 2010, 35, 337-343.	1.4	171
3	The EADCâ€ADNI Harmonized Protocol for manual hippocampal segmentation on magnetic resonance: Evidence of validity. Alzheimer's and Dementia, 2015, 11, 111-125.	0.4	162
4	Structural Changes in Hippocampal Subfields in Major Depressive Disorder: A High-Field Magnetic Resonance Imaging Study. Biological Psychiatry, 2013, 74, 62-68.	0.7	158
5	Age and dementia-associated atrophy predominates in the hippocampal head and amygdala in Parkinson's disease. Neurobiology of Aging, 2008, 29, 1027-1039.	1.5	146
6	Hippocampal neuroplasticity in major depressive disorder. Neuroscience, 2015, 309, 200-213.	1.1	146
7	Selective effects of aging on brain white matter microstructure: A diffusion tensor imaging tractography study. NeuroImage, 2010, 52, 1190-1201.	2.1	134
8	Delphi definition of the EADCâ€ADNI Harmonized Protocol for hippocampal segmentation on magnetic resonance. Alzheimer's and Dementia, 2015, 11, 126-138.	0.4	123
9	In vivo quantification of hippocampal subfields using 4.7 T fast spin echo imaging. NeuroImage, 2010, 49, 1224-1230.	2.1	121
10	Three-dimensional volumetric analysis and reconstruction of amygdala and hippocampal head, body and tail. Psychiatry Research - Neuroimaging, 2007, 155, 155-165.	0.9	110
11	Diffusion tensor imaging tractography and reliability analysis for limbic and paralimbic white matter tracts. Psychiatry Research - Neuroimaging, 2008, 164, 132-142.	0.9	96
12	Hippocampal Shape Analysis in Alzheimer's Disease and Frontotemporal Lobar Degeneration Subtypes. Journal of Alzheimer's Disease, 2012, 30, 355-365.	1.2	94
13	Differential vulnerability of hippocampal subfields and anteroposterior hippocampal subregions in healthy cognitive aging. Neurobiology of Aging, 2017, 59, 121-134.	1.5	82
14	High field structural MRI reveals specific episodic memory correlates in the subfields of the hippocampus. Neuropsychologia, 2014, 53, 233-245.	0.7	81
15	Intact limbic-prefrontal connections and reduced amygdala volumes in Parkinson's disease with mild depressive symptoms. Parkinsonism and Related Disorders, 2012, 18, 809-813.	1.1	74
16	Amygdala subnuclei response and connectivity during emotional processing. NeuroImage, 2016, 133, 98-110.	2.1	73
17	Aging hippocampus and amygdala. NeuroReport, 2008, 19, 543-547.	0.6	64
18	Fronto-limbic volumetric changes in major depressive disorder. Journal of Affective Disorders, 2012, 136, 1104-1113.	2.0	60

#	Article	IF	Citations
19	Dentate gyrus volume and memory performance in major depressive disorder. Journal of Affective Disorders, 2015, 172, 159-164.	2.0	51
20	Operationalizing protocol differences for EADCâ€ADNI manual hippocampal segmentation. Alzheimer's and Dementia, 2015, 11, 184-194.	0.4	48
21	Effects of cortisol on hippocampal subfields volumes and memory performance in healthy control subjects and patients with major depressive disorder. Journal of Affective Disorders, 2016, 201, 34-41.	2.0	44
22	Involvement of hippocampal subfields and anterior-posterior subregions in encoding and retrieval of item, spatial, and associative memories: Longitudinal versus transverse axis. NeuroImage, 2019, 191, 568-586.	2.1	43
23	Harmonized benchmark labels of the hippocampus on magnetic resonance: The EADCâ€ADNI project. Alzheimer's and Dementia, 2015, 11, 151.	0.4	41
24	Structural organization of the prefrontal white matter pathways in the adult and aging brain measured by diffusion tensor imaging. Brain Structure and Function, 2011, 216, 417-431.	1.2	30
25	Effects of childhood adversity on the volumes of the amygdala subnuclei and hippocampal subfields in individuals with major depressive disorder. Journal of Psychiatry and Neuroscience, 2021, 46, E186-E195.	1.4	20
26	Diffusion tensor imaging of the corpus callosum in healthy aging: Investigating higher order polynomial regression modelling. NeuroImage, 2020, 213, 116675.	2.1	18
27	Development of a histologically validated segmentation protocol for the hippocampal body. NeuroImage, 2017, 157, 219-232.	2.1	17
28	Investigating the effects of healthy cognitive aging on brain functional connectivity using 4.7ÂT resting-state functional magnetic resonance imaging. Brain Structure and Function, 2021, 226, 1067-1098.	1.2	15
29	Amygdala subnuclei and healthy cognitive aging. Human Brain Mapping, 2019, 40, 34-52.	1.9	12
30	In vivo quantification of amygdala subnuclei using 4.7 T fast spin echo imaging. NeuroImage, 2018, 170, 151-163.	2.1	9
31	Detection of themyo-inositol 4.06-ppm resonance by selectiveJ rewinding: Application to human prefrontal cortex in vivo. Magnetic Resonance in Medicine, 2005, 54, 1536-1540.	1.9	6
32	The associations of the BDNF and APOE polymorphisms, hippocampal subfield volumes, and episodic memory performance across the lifespan. Hippocampus, 2020, 30, 1081-1097.	0.9	4
33	Selective Effects of Healthy Cognitive Aging and Catechol-O-Methyl Transferase Polymorphism on Limbic White Matter Tracts. Brain Connectivity, 2021, , .	0.8	1