

Lothar Spies

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

465
citations

758635

12
h-index

713013

21
g-index

24
all docs

24
docs citations

24
times ranked

1068
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-subject analysis of regional brain volumetric measures can be strongly influenced by the method for head size adjustment. <i>Neuroradiology</i> , 2022, 64, 2001-2009.	1.1	6
2	Infratentorial lesions in multiple sclerosis patients: intra- and inter-rater variability in comparison to a fully automated segmentation using 3D convolutional neural networks. <i>European Radiology</i> , 2021, , 1.	2.3	7
3	Age-dependent cut-offs for pathological deep gray matter and thalamic volume loss using Jacobian integration. <i>NeuroImage: Clinical</i> , 2020, 28, 102478.	1.4	4
4	Impact of plasma glucose level on the pattern of brain FDG uptake and the predictive power of FDG PET in mild cognitive impairment. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2018, 45, 1417-1422.	3.3	15
5	Hypermetabolism in the hippocampal formation of cognitively impaired patients indicates detrimental maladaptation. <i>Neurobiology of Aging</i> , 2018, 65, 41-50.	1.5	21
6	MRI-Based Brain Volumetry at a Single Time Point Complements Clinical Evaluation of Patients With Multiple Sclerosis in an Outpatient Setting. <i>Frontiers in Neurology</i> , 2018, 9, 545.	1.1	15
7	Global and regional annual brain volume loss rates in physiological aging. <i>Journal of Neurology</i> , 2017, 264, 520-528.	1.8	74
8	Mental speed is associated with the shape irregularity of white matter MRI hyperintensity load. <i>Brain Imaging and Behavior</i> , 2017, 11, 1720-1730.	1.1	6
9	Prediction of Alzheimer's Dementia in Patients with Amnesic Mild Cognitive Impairment in Clinical Routine: Incremental Value of Biomarkers of Neurodegeneration and Brain Amyloidosis Added Stepwise to Cognitive Status. <i>Journal of Alzheimer's Disease</i> , 2017, 61, 373-388.	1.2	15
10	Alzheimer's Disease Diagnosis Relies on a Twofold Clinical-Biological Algorithm: Three Memory Clinic Case Reports. <i>Journal of Alzheimer's Disease</i> , 2017, 60, 577-583.	1.2	2
11	Fully Automatic MRI-Based Hippocampus Volumetry Using FSL-FIRST: Intra-Scanner Test-Retest Stability, Inter-Field Strength Variability, and Performance as Enrichment Biomarker for Clinical Trials Using Prodromal Target Populations at Risk for Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2017, 60, 151-164.	1.2	7
12	Optimization of Statistical Single Subject Analysis of Brain FDG PET for the Prognosis of Mild Cognitive Impairment-to-Alzheimer's Disease Conversion. <i>Journal of Alzheimer's Disease</i> , 2016, 49, 945-959.	1.2	52
13	Preserved brain metabolic activity at the age of 96 years. <i>International Psychogeriatrics</i> , 2016, 28, 1575-1577.	0.6	0
14	P4-174: Evaluation of Cutoff Values For Fully Automated Hippocampus Volumetry With Fsl-First For Prediction Of Alzheimer's Disease Dementia In Mci Subjects. , 2016, 12, P1084-P1085.		0
15	Performance of Hippocampus Volumetry with FSL-FIRST for Prediction of Alzheimer's Disease Dementia in at Risk Subjects with Amnesic Mild Cognitive Impairment. <i>Journal of Alzheimer's Disease</i> , 2016, 51, 867-873.	1.2	19
16	Combination of Structural MRI and FDG-PET of the Brain Improves Diagnostic Accuracy in Newly Manifested Cognitive Impairment in Geriatric Inpatients. <i>Journal of Alzheimer's Disease</i> , 2016, 54, 1319-1331.	1.2	9
17	Atlas based brain volumetry: How to distinguish regional volume changes due to biological or physiological effects from inherent noise of the methodology. <i>Magnetic Resonance Imaging</i> , 2016, 34, 455-461.	1.0	32
18	Fully Automated Atlas-Based Hippocampus Volumetry for Clinical Routine: Validation in Subjects with Mild Cognitive Impairment from the ADNI Cohort. <i>Journal of Alzheimer's Disease</i> , 2015, 46, 199-209.	1.2	25

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19	Fully Automated Atlas-Based Hippocampal Volumetry for Detection of Alzheimer's Disease in a Memory Clinic Setting. <i>Journal of Alzheimer's Disease</i> , 2015, 44, 183-193.	1.2	29
20	A novel computerized algorithm to detect microstructural brainstem pathology in Parkinson's disease using standard 3 Tesla MR imaging. <i>Journal of Neurology</i> , 2014, 261, 1968-1975.	1.8	1
21	Association between fully automated MRI-based volumetry of different brain regions and neuropsychological test performance in patients with amnesic mild cognitive impairment and Alzheimer's disease. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2013, 263, 335-344.	1.8	42
22	Fully automatic detection of deep white matter T1 hypointense lesions in multiple sclerosis. <i>Physics in Medicine and Biology</i> , 2013, 58, 8323-8337.	1.6	12
23	The impact of dental metal artifacts on head and neck IMRT dose distributions. <i>Radiotherapy and Oncology</i> , 2006, 79, 198-202.	0.3	58
24	Segmentation-aided adaptive filtering for metal artifact reduction in radio-therapeutic CT images. , 2004, 5370, 1991.		14