

Lothar Spies

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

465
citations

759055

12
h-index

713332

21
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24
all docs

24
docs citations

24
times ranked

1068
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Global and regional annual brain volume loss rates in physiological aging. <i>Journal of Neurology</i> , 2017, 264, 520-528. | 1.8 | 74 |
| 2 | 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 |
| 3 | 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 |
| 4 | 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 |
| 5 | 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 |
| 6 | 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 |
| 7 | 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 |
| 8 | Hypermetabolism in the hippocampal formation of cognitively impaired patients indicates detrimental maladaptation. <i>Neurobiology of Aging</i> , 2018, 65, 41-50. | 1.5 | 21 |
| 9 | 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 |
| 10 | 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 |
| 11 | 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 |
| 12 | 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 |
| 13 | Segmentation-aided adaptive filtering for metal artifact reduction in radio-therapeutic CT images. , 2004, 5370, 1991. | | 14 |
| 14 | 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 |
| 15 | 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 |
| 16 | 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 |
| 17 | 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 |
| 18 | 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 |

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|----|--|-----|-----------|
| 19 | 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 |
| 20 | 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 |
| 21 | 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 |
| 22 | 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 |
| 23 | Preserved brain metabolic activity at the age of 96 years. <i>International Psychogeriatrics</i> , 2016, 28, 1575-1577. | 0.6 | 0 |
| 24 | 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 |