# Robin Wolz

## List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/11197082/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 46 papers | 3,395 citations | 201674 27 h-index | 302126 39 g-index |
| 47 all docs | 47 docs citations | 47 times ranked | 4694 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Impact of cerebral blood flow and amyloid load on SUVR bias. EJNMMI Research, 2022, 12, 29. | 2.5 | 6 |
| 2 | Application of the ATN classification scheme in a population without dementia: Findings from the EPAD cohort. Alzheimer's and Dementia, 2021, 17, 1189-1204. | 0.8 | 44 |
| 3 | Imaging markers associated with the development of post-stroke depression and apathy: Results of the Cognition and Affect after Stroke â€“ a Prospective Evaluation of Risks study. European Stroke Journal, 2020, 5, 78-84. | 5.5 | 18 |
| 4 | Quantitative amyloid PET in Alzheimer's disease: the AMYPAD prognostic and natural history study. Alzheimer's and Dementia, 2020, 16, 750-758. | 0.8 | 29 |
| 5 | Transfer Learning for Brain Segmentation: Pre-task Selection and Data Limitations. Communications in Computer and Information Science, 2020, , 118-130. | 0.5 | 3 |
| 6 | The impact of automated hippocampal volumetry on diagnostic confidence in patients with suspected Alzheimer's disease: A European Alzheimer's Disease Consortium study. Alzheimer's and Dementia, 2017, 13, 1013-1023. | 0.8 | 33 |
| 7 | Enrichment of clinical trials in MCI due to AD using markers of amyloid and neurodegeneration. Neurology, 2016, 87, 1235-1241. | 1.1 | 34 |
| 8 | Predicting Progression from Cognitive Impairment to Alzheimerâ€™s Disease with the Disease State Index. Current Alzheimer Research, 2015, 12, 69-79. | 1.4 | 22 |
| 9 | Discriminative dictionary learning for abdominal multi-organ segmentation. Medical Image Analysis, 2015, 23, 92-104. | 11.6 | 122 |
| 10 | Geodesic Information Flows: Spatially-Variant Graphs and Their Application to Segmentation and Fusion. IEEE Transactions on Medical Imaging, 2015, 34, 1976-1988. | 8.9 | 265 |
| 11 | Robustness of automated hippocampal volumetry across magnetic resonance field strengths and repeat images. Alzheimer's and Dementia, 2014, 10, 430. | 0.8 | 33 |
| 12 | Extended boundary shift integral. , 2014, , . | | 1 |
| 13 | Multiple instance learning for classification of dementia in brain MRI. Medical Image Analysis, 2014, 18, 808-818. | 11.6 | 163 |
| 14 | Hierarchical Manifold Learning for Regional Image Analysis. IEEE Transactions on Medical Imaging, 2014, 33, 444-461. | 8.9 | 26 |
| 15 | Coalition Against Major Diseases/European Medicines Agency biomarker qualification of hippocampal volume for enrichment of clinical trials in predementia stages of Alzheimer's disease. Alzheimer's and Dementia, 2014, 10, 421. | 0.8 | 77 |
| 16 | Operationalizing hippocampal volume as an enrichment biomarker for amnestic mild cognitive impairment trials: effect of algorithm, test-retest variability, and cut point on trial cost, duration, and sample size. Neurobiology of Aging, 2014, 35, 808-818. | 3.1 | 37 |
| 17 | Automated Abdominal Multi-Organ Segmentation With Subject-Specific Atlas Generation. IEEE Transactions on Medical Imaging, 2013, 32, 1723-1730. | 8.9 | 225 |
| 18 | Measurements of medial temporal lobe atrophy for prediction of Alzheimer's disease in subjects with mild cognitive impairment. Neurobiology of Aging, 2013, 34, 2003-2013. | 3.1 | 86 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Prediction of Alzheimer disease in subjects with amnestic and nonamnestic MCI. Neurology, 2013, 80, 1124-1132. | 1.1 | 110 |
| 20 | Segmentation of MR images via discriminative dictionary learning and sparse coding: Application to hippocampus labeling. NeuroImage, 2013, 76, 11-23. | 4.2 | 196 |
| 21 | Multiple Instance Learning for Classification of Dementia in Brain MRI. Lecture Notes in Computer Science, 2013, 16, 599-606. | 1.3 | 9 |
| 22 | Injury markers predict time to dementia in subjects with MCI and amyloid pathology. Neurology, 2012, 79, 1809-1816. | 1.1 | 129 |
| 23 | Landmark localisation in brain MR images using feature point descriptors based on 3D local self-similarities. , 2012, , . | | 4 |
| 24 | Hippocampal atrophy rate using an expectation maximization classifier with a disease-specific prior. , 2012, , . | | 1 |
| 25 | Optimizing the Diagnosis of Early Alzheimer's Disease in Mild Cognitive Impairment Subjects. Journal of Alzheimer's Disease, 2012, 32, 969-979. | 2.6 | 32 |
| 26 | Multi-class brain segmentation using atlas propagation and EM-based refinement. , 2012, , . | | 20 |
| 27 | Test sequence of CSF and MRI biomarkers for prediction of AD in subjects with MCI. Neurobiology of Aging, 2012, 33, 2272-2281. | 3.1 | 75 |
| 28 | Sparse reduced-rank regression detects genetic associations with voxel-wise longitudinal phenotypes in Alzheimer's disease. NeuroImage, 2012, 60, 700-716. | 4.2 | 121 |
| 29 | Multi-region analysis of longitudinal FDG-PET for the classification of Alzheimer's disease. NeuroImage, 2012, 60, 221-229. | 4.2 | 136 |
| 30 | Geodesic Information Flows. Lecture Notes in Computer Science, 2012, 15, 262-270. | 1.3 | 27 |
| 31 | Structural MRI in Frontotemporal Dementia: Comparisons between Hippocampal Volumetry, Tensor-Based Morphometry and Voxel-Based Morphometry. PLoS ONE, 2012, 7, e52531. | 2.5 | 49 |
| 32 | Nonlinear dimensionality reduction combining MR imaging with non-imaging information. Medical Image Analysis, 2012, 16, 819-830. | 11.6 | 50 |
| 33 | A Multi-image Graph Cut Approach for Cardiac Image Segmentation and Uncertainty Estimation. Lecture Notes in Computer Science, 2012, , 178-187. | 1.3 | 4 |
| 34 | Hierarchical Manifold Learning. Lecture Notes in Computer Science, 2012, 15, 512-519. | 1.3 | 11 |
| 35 | Manifold Learning for Medical Image Registration, Segmentation, and Classification. Advances in Bioinformatics and Biomedical Engineering Book Series, 2012, , 351-372. | 0.4 | 30 |
| 36 | Fast and robust extraction of hippocampus from MR images for diagnostics of Alzheimer's disease. NeuroImage, 2011, 56, 185-196. | 4.2 | 109 |

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|---|---|---|---|
| 37 | Multi-Method Analysis of MRI Images in Early Diagnostics of Alzheimer's Disease. PLoS ONE, 2011, 6, e25446. | 2.5 | 240 |
| 38 | Simultaneous Multi-scale Registration Using Large Deformation Diffeomorphic Metric Mapping. IEEE Transactions on Medical Imaging, 2011, 30, 1746-1759. | 8.9 | 75 |
| 39 | Manifold learning combining imaging with non-imaging information. , 2011, , . | | 6 |
| 40 | Improved generation of probabilistic atlases for the expectation maximization classification. , 2011, , . | | 4 |
| 41 | Measuring atrophy by simultaneous segmentation of serial MR images using 4-D graph-cuts. , 2010, , . | | 0 |
| 42 | Measurement of hippocampal atrophy using 4D graph-cut segmentation: Application to ADNI. NeuroImage, 2010, 52, 109-118. | 4.2 | 122 |
| 43 | LEAP: Learning embeddings for atlas propagation. NeuroImage, 2010, 49, 1316-1325. | 4.2 | 216 |
| 44 | Fast and robust multi-atlas segmentation of brain magnetic resonance images. NeuroImage, 2010, 49, 2352-2365. | 4.2 | 357 |
| 45 | Manifold Learning for Biomarker Discovery in MR Imaging. Lecture Notes in Computer Science, 2010, , 116-123. | 1.3 | 16 |
| 46 | Simultaneous Fine and Coarse Diffeomorphic Registration: Application to Atrophy Measurement in Alzheimerâ€™s Disease. Lecture Notes in Computer Science, 2010, 13, 610-617. | 1.3 | 20 |