

Katrin Amunts

List of Publications by Year in descending order

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Version: 2024-02-01

359
papers

37,688
citations

5782

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4853

174
g-index

398
all docs

398
docs citations

398
times ranked

30112
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Effects of copy number variations on brain structure and risk for psychiatric illness: Large-scale studies from the ENIGMA working groups on CNVs. Human Brain Mapping, 2022, 43, 300-328. | 1.9 | 30 |
| 2 | A short review on emotion processing: a lateralized network of neuronal networks. Brain Structure and Function, 2022, 227, 673-684. | 1.2 | 54 |
| 3 | A comparative study of pre-alpha islands in the entorhinal cortex from selected primates and in lissencephaly. Journal of Comparative Neurology, 2022, 530, 683-704. | 0.9 | 3 |
| 4 | Contour proposal networks for biomedical instance segmentation. Medical Image Analysis, 2022, 77, 102371. | 7.0 | 23 |
| 5 | Cytoarchitectonic parcellation and functional characterization of four new areas in the caudal parahippocampal cortex. Brain Structure and Function, 2022, 227, 1439-1455. | 1.2 | 5 |
| 6 | Additional fiber orientations in the sagittal stratum "noise or anatomical fine structure?. Brain Structure and Function, 2022, 227, 1331-1345. | 1.2 | 5 |
| 7 | Brain simulation as a cloud service: The Virtual Brain on EBRAINS. NeuroImage, 2022, 251, 118973. | 2.1 | 42 |
| 8 | Linking Brain Structure, Activity, and Cognitive Function through Computation. ENeuro, 2022, 9, ENEURO.0316-21.2022. | 0.9 | 22 |
| 9 | Regional changes of brain structure during progression of idiopathic Parkinson's disease " A longitudinal study using deformation based morphometry. Cortex, 2022, 151, 188-210. | 1.1 | 11 |
| 10 | Automated computation of nerve fibre inclinations from 3D polarised light imaging measurements of brain tissue. Scientific Reports, 2022, 12, 4328. | 1.6 | 5 |
| 11 | Cytoarchitectonic Maps of the Human Metathalamus in 3D Space. Frontiers in Neuroanatomy, 2022, 16, 837485. | 0.9 | 3 |
| 12 | Genetic variants associated with longitudinal changes in brain structure across the lifespan. Nature Neuroscience, 2022, 25, 421-432. | 7.1 | 75 |
| 13 | Receptor architecture of macaque and human early visual areas: not equal, but comparable. Brain Structure and Function, 2022, 227, 1247-1263. | 1.2 | 16 |
| 14 | The inferior frontal sulcus: Cortical segregation, molecular architecture and function. Cortex, 2022, 153, 235-256. | 1.1 | 9 |
| 15 | GORDA: Graph-Based Orientation Distribution Analysis of SLI Scatterometry Patterns of Nerve Fibres. , 2022, , . | | 2 |
| 16 | Behavioral Training Related Neurotransmitter Receptor Expression Dynamics in the Nidopallium Caudolaterale and the Hippocampal Formation of Pigeons. Frontiers in Physiology, 2022, 13, . | 1.3 | 2 |
| 17 | Combined analysis of cytoarchitectonic, molecular and transcriptomic patterns reveal differences in brain organization across human functional brain systems. NeuroImage, 2022, 257, 119286. | 2.1 | 12 |
| 18 | System Comparison for Gait and Balance Monitoring Used for the Evaluation of a Home-Based Training. Sensors, 2022, 22, 4975. | 2.1 | 4 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Cytoarchitecture, probability maps and segregation of the human insula. <i>NeuroImage</i> , 2022, 260, 119453. | 2.1 | 9 |
| 20 | New boundaries and dissociation of the mouse hippocampus along the dorsal-ventral axis based on glutamatergic, <scp>GABAergic</scp> and catecholaminergic receptor densities. <i>Hippocampus</i> , 2021, 31, 56-78. | 0.9 | 21 |
| 21 | The natural axis of transmitter receptor distribution in the human cerebral cortex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, . | 3.3 | 66 |
| 22 | Advanced brain ageing in Parkinson's disease is related to disease duration and individual impairment. <i>Brain Communications</i> , 2021, 3, fcab191. | 1.5 | 23 |
| 23 | Brodman Areas. , 2021, , 821-824. | | 0 |
| 24 | When your brain looks older than expected: combined lifestyle risk and BrainAGE. <i>Brain Structure and Function</i> , 2021, 226, 621-645. | 1.2 | 47 |
| 25 | A High-Resolution Model of the Human Entorhinal Cortex in the "BigBrain" Use Case for Machine Learning and 3D Analyses. <i>Lecture Notes in Computer Science</i> , 2021, , 3-21. | 1.0 | 3 |
| 26 | Genetic factors influencing a neurobiological substrate for psychiatric disorders. <i>Translational Psychiatry</i> , 2021, 11, 192. | 2.4 | 4 |
| 27 | 1q21.1 distal copy number variants are associated with cerebral and cognitive alterations in humans. <i>Translational Psychiatry</i> , 2021, 11, 182. | 2.4 | 24 |
| 28 | Autofluorescence enhancement for label-free imaging of myelinated fibers in mammalian brains. <i>Scientific Reports</i> , 2021, 11, 8038. | 1.6 | 24 |
| 29 | Generalizing Longitudinal Age Effects on Brain Structure " A Two-Study Comparison Approach. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 635687. | 1.0 | 3 |
| 30 | A short-term musical training affects implicit emotion regulation only in behaviour but not in brain activity. <i>BMC Neuroscience</i> , 2021, 22, 30. | 0.8 | 1 |
| 31 | Contrastive Representation Learning For Whole Brain Cytoarchitectonic Mapping In Histological Human Brain Sections. , 2021, , . | | 2 |
| 32 | The Neurotransmitter Receptor Architecture of the Mouse Olfactory System. <i>Frontiers in Neuroanatomy</i> , 2021, 15, 632549. | 0.9 | 1 |
| 33 | A linguistic complexity pattern that defies aging: The processing of multiple negations. <i>Journal of Neurolinguistics</i> , 2021, 58, 100982. | 0.5 | 2 |
| 34 | fastPLI: A Fiber Architecture Simulation Toolbox for 3D-PLI. <i>Journal of Open Source Software</i> , 2021, 6, 3042. | 2.0 | 5 |
| 35 | Scattered Light Imaging: Resolving the substructure of nerve fiber crossings in whole brain sections with micrometer resolution. <i>NeuroImage</i> , 2021, 233, 117952. | 2.1 | 18 |
| 36 | The BigBrainWarp toolbox for integration of BigBrain 3D histology with multimodal neuroimaging. <i>ELife</i> , 2021, 10, . | 2.8 | 42 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Deep characterization of individual brain-phenotype relations using a multilevel atlas. <i>Current Opinion in Behavioral Sciences</i> , 2021, 40, 153-160. | 2.0 | 4 |
| 38 | Identification of Phonology-Related Genes and Functional Characterization of Broca's and Wernicke's Regions in Language and Learning Disorders. <i>Frontiers in Neuroscience</i> , 2021, 15, 680762. | 1.4 | 7 |
| 39 | Convolutional neural networks for cytoarchitectonic brain mapping at large scale. <i>NeuroImage</i> , 2021, 240, 118327. | 2.1 | 10 |
| 40 | The many dimensions of human hippocampal organization and (dys)function. <i>Trends in Neurosciences</i> , 2021, 44, 977-989. | 4.2 | 57 |
| 41 | Brain research challenges supercomputing. <i>Science</i> , 2021, 374, 1054-1055. | 6.0 | 10 |
| 42 | Scatterometry Measurements With Scattered Light Imaging Enable New Insights Into the Nerve Fiber Architecture of the Brain. <i>Frontiers in Neuroanatomy</i> , 2021, 15, 767223. | 0.9 | 8 |
| 43 | Dose response of the 16p11.2 distal copy number variant on intracranial volume and basal ganglia. <i>Molecular Psychiatry</i> , 2020, 25, 584-602. | 4.1 | 49 |
| 44 | Association of Copy Number Variation of the 15q11.2 BP1-BP2 Region With Cortical and Subcortical Morphology and Cognition. <i>JAMA Psychiatry</i> , 2020, 77, 420. | 6.0 | 54 |
| 45 | Logical negation mapped onto the brain. <i>Brain Structure and Function</i> , 2020, 225, 19-31. | 1.2 | 9 |
| 46 | Somatosensory area 3b is selectively unaffected in corticobasal syndrome: combining MRI and histology. <i>Neurobiology of Aging</i> , 2020, 94, 89-100. | 1.5 | 1 |
| 47 | Julich-Brain: A 3D probabilistic atlas of the human brain's cytoarchitecture. <i>Science</i> , 2020, 369, 988-992. | 6.0 | 246 |
| 48 | Hippocampus co-atrophy pattern in dementia deviates from covariance patterns across the lifespan. <i>Brain</i> , 2020, 143, 2788-2802. | 3.7 | 13 |
| 49 | A cortex-like canonical circuit in the avian forebrain. <i>Science</i> , 2020, 369, . | 6.0 | 133 |
| 50 | Deep learning networks reflect cytoarchitectonic features used in brain mapping. <i>Scientific Reports</i> , 2020, 10, 22039. | 1.6 | 6 |
| 51 | Toward a High-Resolution Reconstruction of 3D Nerve Fiber Architectures and Crossings in the Brain Using Light Scattering Measurements and Finite-Difference Time-Domain Simulations. <i>Physical Review X</i> , 2020, 10, . | 2.8 | 20 |
| 52 | Functional network reorganization in older adults: Graph-theoretical analyses of age, cognition and sex. <i>NeuroImage</i> , 2020, 214, 116756. | 2.1 | 76 |
| 53 | Cytoarchitectonic Characterization and Functional Decoding of Four New Areas in the Human Lateral Orbitofrontal Cortex. <i>Frontiers in Neuroanatomy</i> , 2020, 14, 2. | 0.9 | 15 |
| 54 | Multimodal mapping and analysis of the cyto- and receptorarchitecture of the human hippocampus. <i>Brain Structure and Function</i> , 2020, 225, 881-907. | 1.2 | 45 |

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|----|--|-----|-----------|
| 55 | Four new cytoarchitectonic areas surrounding the primary and early auditory cortex in human brains. <i>Cortex</i> , 2020, 128, 1-21. | 1.1 | 32 |
| 56 | BigBrain 3D atlas of cortical layers: Cortical and laminar thickness gradients diverge in sensory and motor cortices. <i>PLoS Biology</i> , 2020, 18, e3000678. | 2.6 | 120 |
| 57 | Improving a probabilistic cytoarchitectonic atlas of auditory cortex using a novel method for inter-individual alignment. <i>ELife</i> , 2020, 9, . | 2.8 | 15 |
| 58 | Light Scattering Measurements Enable an Improved Reconstruction of Nerve Fiber Crossings. , 2020, , . | | 0 |
| 59 | Human Pregenual Anterior Cingulate Cortex: Structural, Functional, and Connectional Heterogeneity. <i>Cerebral Cortex</i> , 2019, 29, 2552-2574. | 1.6 | 64 |
| 60 | FAConstructor: an interactive tool for geometric modeling of nerve fiber architectures in the brain. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2019, 14, 1881-1889. | 1.7 | 3 |
| 61 | Pathway-Specific Genetic Risk for Alzheimer's Disease Differentiates Regional Patterns of Cortical Atrophy in Older Adults. <i>Cerebral Cortex</i> , 2019, 30, 801-811. | 1.6 | 11 |
| 62 | Progress update from the hippocampal subfields group. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2019, 11, 439-449. | 1.2 | 34 |
| 63 | The Human Brain Project's Synergy between neuroscience, computing, informatics, and brain-inspired technologies. <i>PLoS Biology</i> , 2019, 17, e3000344. | 2.6 | 64 |
| 64 | Generalizing age effects on brain structure and cognition: A two-study comparison approach. <i>Human Brain Mapping</i> , 2019, 40, 2305-2319. | 1.9 | 31 |
| 65 | Bilingualism and "brain reserve": a matter of age. <i>Neurobiology of Aging</i> , 2019, 81, 157-165. | 1.5 | 23 |
| 66 | The Human Brain Project: Responsible Brain Research for the Benefit of Society. <i>Neuron</i> , 2019, 101, 380-384. | 3.8 | 50 |
| 67 | Multimodal Parcellations and Extensive Behavioral Profiling Tackling the Hippocampus Gradient. <i>Cerebral Cortex</i> , 2019, 29, 4595-4612. | 1.6 | 82 |
| 68 | Combining lifestyle risks to disentangle brain structure and functional connectivity differences in older adults. <i>Nature Communications</i> , 2019, 10, 621. | 5.8 | 42 |
| 69 | Diattenuation Imaging reveals different brain tissue properties. <i>Scientific Reports</i> , 2019, 9, 1939. | 1.6 | 26 |
| 70 | Developmental Changes of Glutamate and GABA Receptor Densities in Wistar Rats. <i>Frontiers in Neuroanatomy</i> , 2019, 13, 100. | 0.9 | 37 |
| 71 | Cytoarchitectonic segregation of human posterior intraparietal and adjacent parieto-occipital sulcus and its relation to visuomotor and cognitive functions. <i>Cerebral Cortex</i> , 2019, 29, 1305-1327. | 1.6 | 32 |
| 72 | The hippocampus of birds in a view of evolutionary connectomics. <i>Cortex</i> , 2019, 118, 165-187. | 1.1 | 42 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 73 | Dense Fiber Modeling for 3D-Polarized Light Imaging Simulations. Advances in Parallel Computing, 2019, , . | 0.3 | 3 |
| 74 | Transmittance and Diattenuation Measurements Reveal Different Properties of Brain Tissue. , 2019, , . | | 0 |
| 75 | Towards 3D Reconstruction of Neuronal Cell Distributions from Histological Human Brain Sections. Advances in Parallel Computing, 2019, , . | 0.3 | 2 |
| 76 | Receptor-driven, multimodal mapping of the human amygdala. Brain Structure and Function, 2018, 223, 1637-1666. | 1.2 | 19 |
| 77 | Evaluation of non-negative matrix factorization of grey matter in age prediction. NeuroImage, 2018, 173, 394-410. | 2.1 | 99 |
| 78 | Integration of transcriptomic and cytoarchitectonic data implicates a role for MAOA and TAC1 in the limbic-cortical network. Brain Structure and Function, 2018, 223, 2335-2342. | 1.2 | 19 |
| 79 | How to Characterize the Function of a Brain Region. Trends in Cognitive Sciences, 2018, 22, 350-364. | 4.0 | 158 |
| 80 | Mapping Cortical Laminar Structure in the 3D BigBrain. Cerebral Cortex, 2018, 28, 2551-2562. | 1.6 | 69 |
| 81 | Molecular composition of the human primary visual cortex profiled by multimodal mass spectrometry imaging. Brain Structure and Function, 2018, 223, 2767-2783. | 1.2 | 18 |
| 82 | Big-data studies need to be part of policy discussion. Nature Human Behaviour, 2018, 2, 94-94. | 6.2 | 1 |
| 83 | Sentence repetition deficits in the logopenic variant of PPA: linguistic analysis of longitudinal and cross-sectional data. Aphasiology, 2018, 32, 1445-1467. | 1.4 | 9 |
| 84 | Cytoarchitectonic and receptorarchitectonic organization in Broca's region and surrounding cortex. Current Opinion in Behavioral Sciences, 2018, 21, 93-105. | 2.0 | 41 |
| 85 | Defining the most probable location of the parahippocampal place area using cortex-based alignment and cross-validation. NeuroImage, 2018, 170, 373-384. | 2.1 | 71 |
| 86 | The heterogeneity of the left dorsal premotor cortex evidenced by multimodal connectivity-based parcellation and functional characterization. NeuroImage, 2018, 170, 400-411. | 2.1 | 63 |
| 87 | A cross-validated cytoarchitectonic atlas of the human ventral visual stream. NeuroImage, 2018, 170, 257-270. | 2.1 | 63 |
| 88 | Implicit Affective Rivalry: A Behavioral and fMRI Study Combining Olfactory and Auditory Stimulation. Frontiers in Behavioral Neuroscience, 2018, 12, 313. | 1.0 | 4 |
| 89 | Improving Cytoarchitectonic Segmentation of Human Brain Areas with Self-supervised Siamese Networks. Lecture Notes in Computer Science, 2018, , 663-671. | 1.0 | 47 |
| 90 | Derivation of Fiber Orientations From Oblique Views Through Human Brain Sections in 3D-Polarized Light Imaging. Frontiers in Neuroanatomy, 2018, 12, 75. | 0.9 | 21 |

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|-----|--|-----|-----------|
| 91 | Towards Ultra-High Resolution 3D Reconstruction of a Whole Rat Brain from 3D-PLI Data. Lecture Notes in Computer Science, 2018, , 1-10. | 1.0 | 1 |
| 92 | A framework based on sulcal constraints to align preterm, infant and adult human brain images acquired in vivo and post mortem. Brain Structure and Function, 2018, 223, 4153-4168. | 1.2 | 23 |
| 93 | Cytoarchitecture, probability maps, and functions of the human supplementary and pre-supplementary motor areas. Brain Structure and Function, 2018, 223, 4169-4186. | 1.2 | 74 |
| 94 | Correlation of Dynamic O-(2-[18F]Fluoroethyl)-L-Tyrosine Positron Emission Tomography, Conventional Magnetic Resonance Imaging, and Whole-Brain Histopathology in a Pretreated Glioblastoma: A Postmortem Study. World Neurosurgery, 2018, 119, e653-e660. | 0.7 | 3 |
| 95 | Evaluating local features in high-resolution 3D-PLI data. , 2018, , . | | 0 |
| 96 | Scale-bundle spline-based non-rigid registration for handling fissures. , 2018, , . | | 0 |
| 97 | Rigid and non-rigid registration of polarized light imaging data for 3D reconstruction of the temporal lobe of the human brain at micrometer resolution. NeuroImage, 2018, 181, 235-251. | 2.1 | 20 |
| 98 | Brodman Areas. , 2018, , 1-4. | | 0 |
| 99 | Two New Cytoarchitectonic Areas on the Human Mid-Fusiform Gyrus. Cerebral Cortex, 2017, 27, bhv225. | 1.6 | 91 |
| 100 | Direct Visualization and Mapping of the Spatial Course of Fiber Tracts at Microscopic Resolution in the Human Hippocampus. Cerebral Cortex, 2017, 27, bhw010. | 1.6 | 80 |
| 101 | The Right Dorsal Premotor Mosaic: Organization, Functions, and Connectivity. Cerebral Cortex, 2017, 27, bhw065. | 1.6 | 66 |
| 102 | Age- and function-related regional changes in cortical folding of the default mode network in older adults. Brain Structure and Function, 2017, 222, 83-99. | 1.2 | 50 |
| 103 | A seed-based cross-modal comparison of brain connectivity measures. Brain Structure and Function, 2017, 222, 1131-1151. | 1.2 | 24 |
| 104 | Microstructural proliferation in human cortex is coupled with the development of face processing. Science, 2017, 355, 68-71. | 6.0 | 150 |
| 105 | Influence of age and cognitive performance on resting-state brain networks of older adults in a population-based cohort. Cortex, 2017, 89, 28-44. | 1.1 | 53 |
| 106 | Cross-cultural consistency and diversity in intrinsic functional organization of Broca's Region. NeuroImage, 2017, 150, 177-190. | 2.1 | 20 |
| 107 | Understanding the brain through large, multidisciplinary research initiatives. Lancet Neurology, The, 2017, 16, 183-184. | 4.9 | 6 |
| 108 | Data on a cytoarchitectonic brain atlas: effects of brain template and a comparison to a multimodal atlas. Data in Brief, 2017, 12, 327-332. | 0.5 | 5 |

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|-----|---|-----|-----------|
| 109 | The Cytoarchitecture of Domain-specific Regions in Human High-level Visual Cortex. <i>Cerebral Cortex</i> , 2017, 27, 146-161. | 1.6 | 94 |
| 110 | Correlative polarized light imaging and two-photon fluorescence microscopy for 3D myelinated fibers reconstruction. <i>Proceedings of SPIE</i> , 2017, , . | 0.8 | 0 |
| 111 | Registration of ultra-high resolution 3D PLI data of human brain sections to their corresponding high-resolution counterpart. , 2017, , . | | 1 |
| 112 | Elastic registration of high-resolution 3D PLI data of the human brain. , 2017, , . | | 6 |
| 113 | Parcellation of visual cortex on high-resolution histological brain sections using convolutional neural networks. , 2017, , . | | 7 |
| 114 | A harmonized segmentation protocol for hippocampal and parahippocampal subregions: Why do we need one and what are the key goals?. <i>Hippocampus</i> , 2017, 27, 3-11. | 0.9 | 130 |
| 115 | Diattenuation of brain tissue and its impact on 3D polarized light imaging. <i>Biomedical Optics Express</i> , 2017, 8, 3163. | 1.5 | 24 |
| 116 | A Complex Interplay of Vitamin B1 and B6 Metabolism with Cognition, Brain Structure, and Functional Connectivity in Older Adults. <i>Frontiers in Neuroscience</i> , 2017, 11, 596. | 1.4 | 34 |
| 117 | Polarized Light Imaging and Two-Photon Fluorescence Microscopy correlative approach for 3D reconstruction of the orientation of myelinated fibers. , 2017, , . | | 2 |
| 118 | Konnektivität und kortikale Architektur. <i>E-Neuroforum</i> , 2016, 22, 83-90. | 0.2 | 0 |
| 119 | High-Resolution Fiber and Fiber Tract Imaging Using Polarized Light Microscopy in the Human, Monkey, Rat, and Mouse Brain. , 2016, , 369-389. | | 17 |
| 120 | Estimating Fiber Orientation Distribution Functions in 3D-Polarized Light Imaging. <i>Frontiers in Neuroanatomy</i> , 2016, 10, 40. | 0.9 | 63 |
| 121 | 3D Reconstructed Cyto-, Muscarinic M2 Receptor, and Fiber Architecture of the Rat Brain Registered to the Waxholm Space Atlas. <i>Frontiers in Neuroanatomy</i> , 2016, 10, 51. | 0.9 | 25 |
| 122 | Connectivity and cortical architecture. <i>E-Neuroforum</i> , 2016, 22, . | 0.2 | 0 |
| 123 | Workflows for Ultra-High Resolution 3D Models of the Human Brain on Massively Parallel Supercomputers. <i>Lecture Notes in Computer Science</i> , 2016, , 15-27. | 1.0 | 3 |
| 124 | Behavior, sensitivity, and power of activation likelihood estimation characterized by massive empirical simulation. <i>NeuroImage</i> , 2016, 137, 70-85. | 2.1 | 547 |
| 125 | Connectivity and cortical architecture. <i>E-Neuroforum</i> , 2016, 7, 56-63. | 0.2 | 4 |
| 126 | The Human Brain Project: Creating a European Research Infrastructure to Decode the Human Brain. <i>Neuron</i> , 2016, 92, 574-581. | 3.8 | 235 |

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|-----|--|-----|-----------|
| 127 | To the Cloud! A Grassroots Proposal to Accelerate Brain Science Discovery. <i>Neuron</i> , 2016, 92, 622-627. | 3.8 | 46 |
| 128 | Spatial normalization of brain images and beyond. <i>Medical Image Analysis</i> , 2016, 33, 127-133. | 7.0 | 24 |
| 129 | Cytoarchitecture of the human lateral occipital cortex: mapping of two extrastriate areas hOc4la and hOc4lp. <i>Brain Structure and Function</i> , 2016, 221, 1877-1897. | 1.2 | 50 |
| 130 | Multimodal connectivity mapping of the human left anterior and posterior lateral prefrontal cortex. <i>Brain Structure and Function</i> , 2016, 221, 2589-2605. | 1.2 | 25 |
| 131 | Cytoarchitecture and probability maps of the human medial orbitofrontal cortex. <i>Cortex</i> , 2016, 75, 87-112. | 1.1 | 66 |
| 132 | Medial Prefrontal Aberrations in Major Depressive Disorder Revealed by Cytoarchitecturally Informed Voxel-Based Morphometry. <i>American Journal of Psychiatry</i> , 2016, 173, 291-298. | 4.0 | 52 |
| 133 | ANIMA: A data-sharing initiative for neuroimaging meta-analyses. <i>NeuroImage</i> , 2016, 124, 1245-1253. | 2.1 | 37 |
| 134 | Visualization of Vector Fields Derived from 3D Polarized Light Imaging. <i>Informatik Aktuell</i> , 2016, , 176-181. | 0.4 | 2 |
| 135 | Changes in the expression of neurotransmitter receptors in Parkin and DJ-1 knockout mice – A quantitative multireceptor study. <i>Neuroscience</i> , 2015, 311, 539-551. | 1.1 | 25 |
| 136 | A Jones matrix formalism for simulating three-dimensional polarized light imaging of brain tissue. <i>Journal of the Royal Society Interface</i> , 2015, 12, 20150734. | 1.5 | 47 |
| 137 | A multiscale approach for the reconstruction of the fiber architecture of the human brain based on 3D-PLI. <i>Frontiers in Neuroanatomy</i> , 2015, 9, 118. | 0.9 | 30 |
| 138 | Multi-Modal Imaging of Neural Correlates of Motor Speed Performance in the Trail Making Test. <i>Frontiers in Neurology</i> , 2015, 6, 219. | 1.1 | 8 |
| 139 | Whole-Body MR Imaging in the German National Cohort: Rationale, Design, and Technical Background. <i>Radiology</i> , 2015, 277, 206-220. | 3.6 | 137 |
| 140 | Cytoarchitectonic mapping of the human brain cerebellar nuclei in stereotaxic space and delineation of their co-activation patterns. <i>Frontiers in Neuroanatomy</i> , 2015, 09, 54. | 0.9 | 35 |
| 141 | Architectonic Mapping of the Human Brain beyond Brodmann. <i>Neuron</i> , 2015, 88, 1086-1107. | 3.8 | 360 |
| 142 | Robust brain parcellation using sparse representation on resting-state fMRI. <i>Brain Structure and Function</i> , 2015, 220, 3565-3579. | 1.2 | 27 |
| 143 | Myeloarchitecture and Maps of the Cerebral Cortex. , 2015, , 137-156. | | 22 |
| 144 | Co-activation based parcellation of the human frontal pole. <i>NeuroImage</i> , 2015, 123, 200-211. | 2.1 | 30 |

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|-----|--|-----|-----------|
| 145 | Basal Forebrain Anatomical Systems in MRI Space. , 2015, , 395-409. | | 3 |
| 146 | Cytoarchitectonics, Receptorarchitectonics, and Network Topology of Language. , 2015, , 177-185. | | 5 |
| 147 | Transmitter Receptor Distribution in the Human Brain. , 2015, , 261-275. | | 21 |
| 148 | Cytoarchitecture and Maps of the Human Cerebral Cortex. , 2015, , 115-135. | | 19 |
| 149 | Functional organization of human subgenual cortical areas: Relationship between architectonical segregation and connectional heterogeneity. NeuroImage, 2015, 115, 177-190. | 2.1 | 98 |
| 150 | Target sites for transcallosal fibers in human visual cortex â€“ A combined diffusion and polarized light imaging study. Cortex, 2015, 72, 40-53. | 1.1 | 37 |
| 151 | Understanding fiber mixture by simulation in 3D Polarized Light Imaging. NeuroImage, 2015, 111, 464-475. | 2.1 | 45 |
| 152 | PaMiNI-Derived Co-Activation Patterns Indicate Differential Hierarchical Levels for Two Ventral Visual Areas of the Fusiform Gyrus. RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren, 2015, 187, 892-898. | 0.7 | 0 |
| 153 | Towards a High-resolution Fiber Model of the Human Brain with 3D Polarized Light Imaging. , 2015, , . | | 0 |
| 154 | Anatomical Basis for Functional Specialization. Biological Magnetic Resonance, 2015, , 27-66. | 0.4 | 15 |
| 155 | Simulation-Based Validation of the Physical Model in 3D Polarized Light Imaging. , 2015, , . | | 1 |
| 156 | Neurotransmitter receptor density changes in Pitx3ak mice â€“ A model relevant to Parkinsonâ€™s disease. Neuroscience, 2015, 285, 11-23. | 1.1 | 15 |
| 157 | Common molecular basis of the sentence comprehension network revealed by neurotransmitter receptor fingerprints. Cortex, 2015, 63, 79-89. | 1.1 | 64 |
| 158 | Receptor architecture of visual areas in the face and word-form recognition region of the posterior fusiform gyrus. Brain Structure and Function, 2015, 220, 205-219. | 1.2 | 43 |
| 159 | Aging and response conflict solution: behavioural and functional connectivity changes. Brain Structure and Function, 2015, 220, 1739-1757. | 1.2 | 27 |
| 160 | Reference Volume Generation for Subsequent 3D Reconstruction of Histological Sections. Informatik Aktuell, 2015, , 143-148. | 0.4 | 8 |
| 161 | The human brain project: neuroscience perspectives and German contributions. E-Neuroforum, 2014, 20, . | 0.2 | 0 |
| 162 | Studying variability in human brain aging in a population-based German cohortâ€™ rationale and design of 1000BRAINS. Frontiers in Aging Neuroscience, 2014, 6, 149. | 1.7 | 97 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 163 | Interactive 3D visualization of structural changes in the brain of a person with corticobasal syndrome. <i>Frontiers in Neuroinformatics</i> , 2014, 8, 42. | 1.3 | 13 |
| 164 | The Human Brain Project: Neurowissenschaftliche Perspektiven und Beiträge aus Deutschland. <i>E-Neuroforum</i> , 2014, 20, 222-229. | 0.2 | 0 |
| 165 | Functional characterization and differential coactivation patterns of two cytoarchitectonic visual areas on the human posterior fusiform gyrus. <i>Human Brain Mapping</i> , 2014, 35, 2754-2767. | 1.9 | 74 |
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