

Wietske van der Zwaag

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8724126/publications.pdf>

Version: 2024-02-01

83
papers

4,305
citations

159358

30
h-index

133063

59
g-index

91
all docs

91
docs citations

91
times ranked

5104
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Functional magnetic resonance imaging responses during perceptual decision-making at 3 and 7T in human cortex, striatum, and brainstem. <i>Human Brain Mapping</i> , 2022, 43, 1265-1279. | 1.9 | 11 |
| 2 | Comparing BOLD and VASO-CBV population receptive field estimates in human visual cortex. <i>NeuroImage</i> , 2022, 248, 118868. | 2.1 | 8 |
| 3 | Predictive coding during action observation – A depth-resolved intersubject functional correlation study at 7T. <i>Cortex</i> , 2022, 148, 121-138. | 1.1 | 7 |
| 4 | Auditory timing-tuned neural responses in the human auditory cortices. <i>NeuroImage</i> , 2022, 258, 119366. | 2.1 | 1 |
| 5 | Comparing hand movement rate dependence of cerebral blood volume and BOLD responses at 7T. <i>NeuroImage</i> , 2021, 226, 117623. | 2.1 | 8 |
| 6 | Relation between palm and finger cortical representations in primary somatosensory cortex: A 7T fMRI study. <i>Human Brain Mapping</i> , 2021, 42, 2262-2277. | 1.9 | 4 |
| 7 | QSM reconstruction challenge 2.0: A realistic in silico head phantom for MRI data simulation and evaluation of susceptibility mapping procedures. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 526-542. | 1.9 | 34 |
| 8 | Ultra-high field fMRI reveals origins of feedforward and feedback activity within laminae of human ocular dominance columns. <i>NeuroImage</i> , 2021, 228, 117683. | 2.1 | 25 |
| 9 | Topographic numerosity maps cover subitizing and estimation ranges. <i>Nature Communications</i> , 2021, 12, 3374. | 5.8 | 24 |
| 10 | A local multi-transmit coil combined with a high-density receive array for cerebellar fMRI at 7T. <i>NMR in Biomedicine</i> , 2021, 34, e4586. | 1.6 | 7 |
| 11 | Individualized cognitive neuroscience needs 7T: Comparing numerosity maps at 3T and 7T MRI. <i>NeuroImage</i> , 2021, 237, 118184. | 2.1 | 23 |
| 12 | A line through the brain: implementation of human line-scanning at 7T for ultra-high spatiotemporal resolution fMRI. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 2831-2843. | 2.4 | 18 |
| 13 | Can 7T MPRAGE match MP2RAGE for gray-white matter contrast?. <i>NeuroImage</i> , 2021, 240, 118384. | 2.1 | 15 |
| 14 | Advances in resting state fMRI acquisitions for functional connectomics. <i>NeuroImage</i> , 2021, 243, 118503. | 2.1 | 58 |
| 15 | Metabolite concentration changes associated with positive and negative BOLD responses in the human visual cortex: A functional MRS study at 7 Tesla. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 488-500. | 2.4 | 40 |
| 16 | Whole brain 7T fMRI during pelvic floor muscle contraction in male subjects. <i>Neurourology and Urodynamics</i> , 2020, 39, 382-392. | 0.8 | 9 |
| 17 | Laminar analysis of the cerebellar cortex shows widespread damage in early MS patients: A pilot study at 7T MRI. <i>Multiple Sclerosis Journal - Experimental, Translational and Clinical</i> , 2020, 6, 205521732096140. | 0.5 | 1 |
| 18 | Sharpness in motion corrected quantitative imaging at 7T. <i>NeuroImage</i> , 2020, 222, 117227. | 2.1 | 13 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | fMRI protocol optimization for simultaneously studying small subcortical and cortical areas at 7T. <i>NeuroImage</i> , 2020, 219, 116992. | 2.1 | 32 |
| 20 | Whole-body somatotopic maps in the cerebellum revealed with 7T fMRI. <i>NeuroImage</i> , 2020, 211, 116624. | 2.1 | 48 |
| 21 | Single subject and group whole-brain fMRI mapping of male genital sensation at 7 Tesla. <i>Scientific Reports</i> , 2020, 10, 2487. | 1.6 | 10 |
| 22 | Denoising High-Field Multi-Dimensional MRI With Local Complex PCA. <i>Frontiers in Neuroscience</i> , 2019, 13, 1066. | 1.4 | 20 |
| 23 | The neural correlates of the awe experience: Reduced default mode network activity during feelings of awe. <i>Human Brain Mapping</i> , 2019, 40, 3561-3574. | 1.9 | 58 |
| 24 | Topographic Maps of Visual Space in the Human Cerebellum. <i>Current Biology</i> , 2019, 29, 1689-1694.e3. | 1.8 | 69 |
| 25 | Chronotopic maps in human supplementary motor area. <i>PLoS Biology</i> , 2019, 17, e3000026. | 2.6 | 74 |
| 26 | Whole brain measurements of the positive BOLD response variability during a finger tapping task at 7 T show regional differences in its profiles. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 2720-2727. | 1.9 | 12 |
| 27 | MP2RAGEME: T ₁ , T ₂ [*] , and QSM mapping in one sequence at 7 tesla. <i>Human Brain Mapping</i> , 2019, 40, 1786-1798. | 1.9 | 61 |
| 28 | Multi-center mapping of human ocular dominance columns with BOLD fMRI. <i>Journal of Vision</i> , 2019, 19, 64b. | 0.1 | 0 |
| 29 | Topographic maps of visual space in the human cerebellum. <i>Journal of Vision</i> , 2019, 19, 307. | 0.1 | 0 |
| 30 | Mapping and characterization of positive and negative BOLD responses to visual stimulation in multiple brain regions at 7T. <i>Human Brain Mapping</i> , 2018, 39, 2426-2441. | 1.9 | 27 |
| 31 | Visualizing the Human Subcortex Using Ultra-high Field Magnetic Resonance Imaging. <i>Brain Topography</i> , 2018, 31, 513-545. | 0.8 | 38 |
| 32 | Distortion-matched T1 maps and unbiased T1-weighted images as anatomical reference for high-resolution fMRI. <i>NeuroImage</i> , 2018, 176, 41-55. | 2.1 | 32 |
| 33 | Surface-based characteristics of the cerebellar cortex visualized with ultra-high field MRI. <i>NeuroImage</i> , 2018, 172, 1-8. | 2.1 | 18 |
| 34 | Ultra-high field MRI: Advancing systems neuroscience towards mesoscopic human brain function. <i>NeuroImage</i> , 2018, 168, 345-357. | 2.1 | 151 |
| 35 | High spatio-temporal resolution in functional MRI with 3D echo planar imaging using cylindrical excitation and a CAIPIRINHA undersampling pattern. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 2589-2596. | 1.9 | 7 |
| 36 | Representations of time in human frontoparietal cortex. <i>Communications Biology</i> , 2018, 1, 233. | 2.0 | 35 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Functional organization of face processing in the human superior temporal sulcus: a 7T high-resolution fMRI study. <i>Social Cognitive and Affective Neuroscience</i> , 2018, 13, 102-113. | 1.5 | 38 |
| 38 | Examples of sub-millimeter, 7T, T1-weighted EPI datasets acquired with the T123DEPI sequence. <i>Data in Brief</i> , 2018, 20, 415-418. | 0.5 | 4 |
| 39 | Chronotopic maps in human premotor cortex. <i>Journal of Vision</i> , 2018, 18, 963. | 0.1 | 0 |
| 40 | Sustained enhancements in inhibitory control depend primarily on the reinforcement of fronto-basal anatomical connectivity. <i>Brain Structure and Function</i> , 2017, 222, 635-643. | 1.2 | 17 |
| 41 | High-Resolution fMRI of Auditory Cortical Map Changes in Unilateral Hearing Loss and Tinnitus. <i>Brain Topography</i> , 2017, 30, 685-697. | 0.8 | 20 |
| 42 | Anatomical and functional properties of the foot and leg representation in areas 3b, 1 and 2 of primary somatosensory cortex in humans: A 7T fMRI study. <i>NeuroImage</i> , 2017, 159, 473-487. | 2.1 | 59 |
| 43 | Comparing functional MRI protocols for small, iron-rich basal ganglia nuclei such as the subthalamic nucleus at 7T and 3T. <i>Human Brain Mapping</i> , 2017, 38, 3226-3248. | 1.9 | 76 |
| 44 | Influence of physiological noise on accelerated 2D and 3D resting state functional MRI data at 7T. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 888-896. | 1.9 | 34 |
| 45 | Upper limb cortical maps in amputees with targeted muscle and sensory reinnervation. <i>Brain</i> , 2017, 140, 2993-3011. | 3.7 | 78 |
| 46 | Retinotopic encoding of the Ternus-Pikler display reflected in the early visual areas. <i>Journal of Vision</i> , 2016, 16, 26. | 0.1 | 6 |
| 47 | Three-dimensional echo planar imaging with controlled aliasing: A sequence for high temporal resolution functional MRI. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 2350-2361. | 1.9 | 53 |
| 48 | Neural decoding of discriminative auditory object features depends on their socio-affective valence. <i>Social Cognitive and Affective Neuroscience</i> , 2016, 11, 1638-1649. | 1.5 | 26 |
| 49 | Recent applications of UHF-MRI in the study of human brain function and structure: a review. <i>NMR in Biomedicine</i> , 2016, 29, 1274-1288. | 1.6 | 81 |
| 50 | Ballistocardiogram artifact correction taking into account physiological signal preservation in simultaneous EEG-fMRI. <i>NeuroImage</i> , 2016, 135, 45-63. | 2.1 | 39 |
| 51 | Presurgical brain mapping in epilepsy using simultaneous EEG and functional MRI at ultra-high field: feasibility and first results. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2016, 29, 605-616. | 1.1 | 19 |
| 52 | Differential patterns of functional and structural plasticity within and between inferior frontal gyri support training-induced improvements in inhibitory control proficiency. <i>Human Brain Mapping</i> , 2015, 36, 2527-2543. | 1.9 | 57 |
| 53 | Representation of Sound Objects within Early-Stage Auditory Areas: A Repetition Effect Study Using 7T fMRI. <i>PLoS ONE</i> , 2015, 10, e0124072. | 1.1 | 5 |
| 54 | Stroking or Buzzing? A Comparison of Somatosensory Touch Stimuli Using 7 Tesla fMRI. <i>PLoS ONE</i> , 2015, 10, e0134610. | 1.1 | 14 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | Distinct contributions of Brodmann areas 1 and 2 to body ownership. <i>Social Cognitive and Affective Neuroscience</i> , 2015, 10, 1449-1459. | 1.5 | 22 |
| 56 | Tonotopic Gradients in Human Primary Auditory Cortex: Concurring Evidence From High-Resolution 7T and 3T fMRI. <i>Brain Topography</i> , 2015, 28, 66-69. | 0.8 | 26 |
| 57 | Physiological noise in human cerebellar fMRI. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2015, 28, 485-492. | 1.1 | 14 |
| 58 | Towards high-quality simultaneous EEG-fMRI at 7 T: Detection and reduction of EEG artifacts due to head motion. <i>NeuroImage</i> , 2015, 120, 143-153. | 2.1 | 53 |
| 59 | Simultaneous EEG-fMRI at ultra-high field: Artifact prevention and safety assessment. <i>NeuroImage</i> , 2015, 105, 132-144. | 2.1 | 63 |
| 60 | EEG and fMRI correlates of non-retinotopic motion processing in the human visual system. <i>Journal of Vision</i> , 2015, 15, 1183. | 0.1 | 0 |
| 61 | Improved temporal resolution for functional studies with reduced number of segments with three-dimensional echo planar imaging. <i>Magnetic Resonance in Medicine</i> , 2014, 72, 786-792. | 1.9 | 9 |
| 62 | Human finger somatotopy in areas 3b, 1, and 2: A 7T fMRI study using a natural stimulus. <i>Human Brain Mapping</i> , 2014, 35, 213-226. | 1.9 | 182 |
| 63 | Comparison of an 8-Channel and a 32-Channel Coil for High-Resolution fMRI at 7T. <i>Brain Topography</i> , 2014, 27, 209-212. | 0.8 | 22 |
| 64 | A novel manipulation method of human body ownership using an fMRI-compatible master-slave system. <i>Journal of Neuroscience Methods</i> , 2014, 235, 25-34. | 1.3 | 22 |
| 65 | EEG-fMRI integration for the study of human brain function. <i>NeuroImage</i> , 2014, 102, 24-34. | 2.1 | 117 |
| 66 | Digit somatotopy in the human cerebellum: A 7T fMRI study. <i>NeuroImage</i> , 2013, 67, 354-362. | 2.1 | 44 |
| 67 | Tuning In to Sound: Frequency-Selective Attentional Filter in Human Primary Auditory Cortex. <i>Journal of Neuroscience</i> , 2013, 33, 1858-1863. | 1.7 | 76 |
| 68 | Signal fluctuations in fMRI data acquired with 2D-EPI and 3D-EPI at 7 Tesla. <i>Magnetic Resonance Imaging</i> , 2013, 31, 212-220. | 1.0 | 60 |
| 69 | In vivo Structural Imaging of the Cerebellum, the Contribution of Ultra-High Fields. <i>Cerebellum</i> , 2012, 11, 384-391. | 1.4 | 15 |
| 70 | A 7 Tesla fMRI Study of Amygdala Responses to Fearful Faces. <i>Brain Topography</i> , 2012, 25, 125-128. | 0.8 | 32 |
| 71 | Temporal SNR characteristics in segmented 3D-EPI at 7T. <i>Magnetic Resonance in Medicine</i> , 2012, 67, 344-352. | 1.9 | 64 |
| 72 | Where sound position influences sound object representations: A 7-T fMRI study. <i>NeuroImage</i> , 2011, 54, 1803-1811. | 2.1 | 38 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 73 | Human Primary Auditory Cortex Follows the Shape of Heschl's Gyrus. <i>Journal of Neuroscience</i> , 2011, 31, 14067-14075. | 1.7 | 245 |
| 74 | Eddy current effects on a clinical 7T-68cm bore scanner. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2010, 23, 39-43. | 1.1 | 11 |
| 75 | Cerebellar Cortical Layers: In Vivo Visualization with Structural High-Field-Strength MR Imaging. <i>Radiology</i> , 2010, 254, 942-948. | 3.6 | 66 |
| 76 | MP2RAGE, a self bias-field corrected sequence for improved segmentation and T1-mapping at high field. <i>NeuroImage</i> , 2010, 49, 1271-1281. | 2.1 | 1,075 |
| 77 | Minimization of Nyquist ghosting for echo-planar imaging at ultra-high fields based on a "negative readout gradient" strategy. <i>Journal of Magnetic Resonance Imaging</i> , 2009, 30, 1171-1178. | 1.9 | 31 |
| 78 | In vivo measurement of glycine with short echo-time 1H MRS in human brain at 7 T. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2009, 22, 1-4. | 1.1 | 42 |
| 79 | Investigation of high-resolution functional magnetic resonance imaging by means of surface and array radiofrequency coils at 7 T. <i>Magnetic Resonance Imaging</i> , 2009, 27, 1011-1018. | 1.0 | 26 |
| 80 | fMRI at 1.5, 3 and 7 T: Characterising BOLD signal changes. <i>NeuroImage</i> , 2009, 47, 1425-1434. | 2.1 | 240 |
| 81 | High resolution SE-fMRI in humans at 3 and 7 T using a motor task. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2008, 21, 113-120. | 1.1 | 20 |
| 82 | Comparison of three commercially available radio frequency coils for human brain imaging at 3 Tesla. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2008, 21, 53-61. | 1.1 | 13 |
| 83 | Improved echo volumar imaging (EVI) for functional MRI. <i>Magnetic Resonance in Medicine</i> , 2006, 56, 1320-1327. | 1.9 | 36 |