

Bogdan Draganski

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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|--------------------|--------------------------|---------------|-----------------|
| 124 papers | 10,350 citations | 44 h-index | 101 g-index |
| 138 ext. papers | 11,982 ext. citations | 7 avg, IF | 5.83 L-index |

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 124 | Neuroplasticity: changes in grey matter induced by training. <i>Nature</i> , 2004 , 427, 311-2 | 50.4 | 1674 |
| 123 | Automatic classification of MR scans in Alzheimer's disease. <i>Brain</i> , 2008 , 131, 681-9 | 11.2 | 847 |
| 122 | Temporal and spatial dynamics of brain structure changes during extensive learning. <i>Journal of Neuroscience</i> , 2006 , 26, 6314-7 | 6.6 | 584 |
| 121 | Evidence for segregated and integrative connectivity patterns in the human Basal Ganglia. <i>Journal of Neuroscience</i> , 2008 , 28, 7143-52 | 6.6 | 576 |
| 120 | How the brain translates money into force: a neuroimaging study of subliminal motivation. <i>Science</i> , 2007 , 316, 904-6 | 33.3 | 455 |
| 119 | A comparison between voxel-based cortical thickness and voxel-based morphometry in normal aging. <i>NeuroImage</i> , 2009 , 48, 371-80 | 7.9 | 420 |
| 118 | Dynamic properties of human brain structure: learning-related changes in cortical areas and associated fiber connections. <i>Journal of Neuroscience</i> , 2010 , 30, 11670-7 | 6.6 | 355 |
| 117 | Gray matter decrease in patients with chronic tension type headache. <i>Neurology</i> , 2005 , 65, 1483-6 | 6.5 | 327 |
| 116 | Training-induced structural changes in the adult human brain. <i>Behavioural Brain Research</i> , 2008 , 192, 137-42 | 3.4 | 319 |
| 115 | Affective components and intensity of pain correlate with structural differences in gray matter in chronic back pain patients. <i>Pain</i> , 2006 , 125, 89-97 | 8 | 299 |
| 114 | Confirmation of functional zones within the human subthalamic nucleus: patterns of connectivity and sub-parcellation using diffusion weighted imaging. <i>NeuroImage</i> , 2012 , 60, 83-94 | 7.9 | 246 |
| 113 | Regional specificity of MRI contrast parameter changes in normal ageing revealed by voxel-based quantification (VBQ). <i>NeuroImage</i> , 2011 , 55, 1423-34 | 7.9 | 204 |
| 112 | Widespread age-related differences in the human brain microstructure revealed by quantitative magnetic resonance imaging. <i>Neurobiology of Aging</i> , 2014 , 35, 1862-72 | 5.6 | 182 |
| 111 | Interpreting scan data acquired from multiple scanners: a study with Alzheimer's disease. <i>NeuroImage</i> , 2008 , 39, 1180-5 | 7.9 | 175 |
| 110 | Decrease of thalamic gray matter following limb amputation. <i>NeuroImage</i> , 2006 , 31, 951-7 | 7.9 | 154 |
| 109 | Voxel-based morphometry reveals reduced grey matter volume in the temporal cortex of developmental prosopagnosics. <i>Brain</i> , 2009 , 132, 3443-55 | 11.2 | 148 |
| 108 | Improved segmentation of deep brain grey matter structures using magnetization transfer (MT) parameter maps. <i>NeuroImage</i> , 2009 , 47, 194-8 | 7.9 | 143 |

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|-----|--|------|-----|
| 107 | White matter connections reflect changes in voluntary-guided saccades in pre-symptomatic Huntington's disease. <i>Brain</i> , 2008 , 131, 196-204 | 11.2 | 143 |
| 106 | Defining the Effect of the 16p11.2 Duplication on Cognition, Behavior, and Medical Comorbidities. <i>JAMA Psychiatry</i> , 2016 , 73, 20-30 | 14.5 | 120 |
| 105 | Electroconvulsive therapy-induced brain plasticity determines therapeutic outcome in mood disorders. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 1156-61 | 11.5 | 116 |
| 104 | Multispectral brain morphometry in Tourette syndrome persisting into adulthood. <i>Brain</i> , 2010 , 133, 3661-75 | 11.5 | 113 |
| 103 | The 16p11.2 locus modulates brain structures common to autism, schizophrenia and obesity. <i>Molecular Psychiatry</i> , 2015 , 20, 140-7 | 15.1 | 112 |
| 102 | Structural brain plasticity in Parkinson's disease induced by balance training. <i>Neurobiology of Aging</i> , 2014 , 35, 232-9 | 5.6 | 107 |
| 101 | Bilateral thalamic gray matter changes in patients with restless legs syndrome. <i>NeuroImage</i> , 2005 , 24, 1242-7 | 7.9 | 100 |
| 100 | Brain networks modulated by subthalamic nucleus deep brain stimulation. <i>Brain</i> , 2016 , 139, 2503-15 | 11.2 | 88 |
| 99 | Hypothalamic gray matter changes in narcoleptic patients. <i>Nature Medicine</i> , 2002 , 8, 1186-8 | 50.5 | 88 |
| 98 | Functional compensation of motor function in pre-symptomatic Huntington's disease. <i>Brain</i> , 2009 , 132, 1624-32 | 11.2 | 87 |
| 97 | Structural correlates of preterm birth in the adolescent brain. <i>Pediatrics</i> , 2009 , 124, e964-72 | 7.4 | 85 |
| 96 | Automatic detection of preclinical neurodegeneration: presymptomatic Huntington disease. <i>Neurology</i> , 2009 , 72, 426-31 | 6.5 | 81 |
| 95 | Dopamine reverses reward insensitivity in apathy following globus pallidus lesions. <i>Cortex</i> , 2013 , 49, 1292-303 | 3.8 | 75 |
| 94 | hMRI - A toolbox for quantitative MRI in neuroscience and clinical research. <i>NeuroImage</i> , 2019 , 194, 191-210 | 21.0 | 73 |
| 93 | Analysis of CO2 vasomotor reactivity and vessel diameter changes by simultaneous venous and arterial Doppler recordings. <i>Stroke</i> , 1999 , 30, 81-6 | 6.7 | 73 |
| 92 | Altered brain mechanisms of emotion processing in pre-manifest Huntington's disease. <i>Brain</i> , 2012 , 135, 1165-79 | 11.2 | 69 |
| 91 | How early can we predict Alzheimer's disease using computational anatomy?. <i>Neurobiology of Aging</i> , 2013 , 34, 2815-26 | 5.6 | 67 |
| 90 | New tissue priors for improved automated classification of subcortical brain structures on MRI. <i>NeuroImage</i> , 2016 , 130, 157-166 | 7.9 | 65 |

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|----|--|------|----|
| 89 | Brain tissue properties differentiate between motor and limbic basal ganglia circuits. <i>Human Brain Mapping</i> , 2014 , 35, 5083-92 | 5.9 | 63 |
| 88 | Neurobiological origin of spurious brain morphological changes: A quantitative MRI study. <i>Human Brain Mapping</i> , 2016 , 37, 1801-15 | 5.9 | 62 |
| 87 | The Number of Genomic Copies at the 16p11.2 Locus Modulates Language, Verbal Memory, and Inhibition. <i>Biological Psychiatry</i> , 2016 , 80, 129-139 | 7.9 | 57 |
| 86 | Generative FDG-PET and MRI model of aging and disease progression in Alzheimer's disease. <i>PLoS Computational Biology</i> , 2013 , 9, e1002987 | 5 | 56 |
| 85 | Genotype-phenotype interactions in primary dystonias revealed by differential changes in brain structure. <i>NeuroImage</i> , 2009 , 47, 1141-7 | 7.9 | 53 |
| 84 | Transcranial duplex sonography in the detection of patent foramen ovale. <i>Radiology</i> , 2002 , 225, 693-9 | 20.5 | 53 |
| 83 | Relationship between imaging biomarkers, age, progression and symptom severity in Alzheimer's disease. <i>NeuroImage: Clinical</i> , 2013 , 3, 84-94 | 5.3 | 49 |
| 82 | Brain structure in asymptomatic FMR1 premutation carriers at risk for fragile X-associated tremor/ataxia syndrome. <i>Neurobiology of Aging</i> , 2013 , 34, 1700-7 | 5.6 | 47 |
| 81 | Disentangling in vivo the effects of iron content and atrophy on the ageing human brain. <i>NeuroImage</i> , 2014 , 103, 280-289 | 7.9 | 47 |
| 80 | Evolution of white matter tract microstructure across the life span. <i>Human Brain Mapping</i> , 2019 , 40, 2253-2268 | 3.3 | 43 |
| 79 | Body context and posture affect mental imagery of hands. <i>PLoS ONE</i> , 2012 , 7, e34382 | 3.7 | 43 |
| 78 | Characterizing aging in the human brainstem using quantitative multimodal MRI analysis. <i>Frontiers in Human Neuroscience</i> , 2013 , 7, 462 | 3.3 | 43 |
| 77 | Grey matter changes in motor conversion disorder. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2014 , 85, 236-8 | 5.5 | 42 |
| 76 | 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, 2527-43 | 5.9 | 41 |
| 75 | The perception of touch and the ventral somatosensory pathway. <i>Brain</i> , 2015 , 138, 540-8 | 11.2 | 38 |
| 74 | Complex regional pain syndrome type I affects brain structure in prefrontal and motor cortex. <i>PLoS ONE</i> , 2014 , 9, e85372 | 3.7 | 38 |
| 73 | The Global ECT-MRI Research Collaboration (GEMRIC): Establishing a multi-site investigation of the neural mechanisms underlying response to electroconvulsive therapy. <i>NeuroImage: Clinical</i> , 2017 , 14, 422-432 | 5.3 | 37 |
| 72 | Observation on the integrity of the blood-brain barrier after microbubble destruction by diagnostic transcranial color-coded sonography. <i>Journal of Ultrasound in Medicine</i> , 2002 , 21, 419-29 | 2.9 | 36 |

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| 71 | Modulatory effects of 5Hz rTMS over the primary somatosensory cortex in focal dystonia--an fMRI-TMS study. <i>Movement Disorders</i> , 2010 , 25, 76-83 | 7 | 34 |
| 70 | Quantifying the Effects of 16p11.2 Copy Number Variants on Brain Structure: A Multisite Genetic-First Study. <i>Biological Psychiatry</i> , 2018 , 84, 253-264 | 7.9 | 33 |
| 69 | Deep brain stimulation of the posterior gyrus rectus region for treatment resistant depression. <i>Journal of Affective Disorders</i> , 2016 , 194, 33-7 | 6.6 | 33 |
| 68 | Outcome Prediction of Consciousness Disorders in the Acute Stage Based on a Complementary Motor Behavioural Tool. <i>PLoS ONE</i> , 2016 , 11, e0156882 | 3.7 | 33 |
| 67 | Embodied neurology: an integrative framework for neurological disorders. <i>Brain</i> , 2016 , 139, 1855-61 | 11.2 | 32 |
| 66 | Transcranial ultrasound brain perfusion assessment with a contrast agent-specific imaging mode: results of a two-center trial. <i>Stroke</i> , 2005 , 36, 2283-5 | 6.7 | 30 |
| 65 | Basal ganglia-cortical structural connectivity in Huntington's disease. <i>Human Brain Mapping</i> , 2015 , 36, 1728-40 | 5.9 | 26 |
| 64 | Influence of magnetic field strength and image registration strategy on voxel-based morphometry in a study of Alzheimer's disease. <i>Human Brain Mapping</i> , 2014 , 35, 1865-74 | 5.9 | 25 |
| 63 | Do we need to revise the tripartite subdivision hypothesis of the human subthalamic nucleus (STN)? Response to Alkemade and Forstmann. <i>NeuroImage</i> , 2015 , 110, 1-2 | 7.9 | 24 |
| 62 | Dose response of the 16p11.2 distal copy number variant on intracranial volume and basal ganglia. <i>Molecular Psychiatry</i> , 2020 , 25, 584-602 | 15.1 | 24 |
| 61 | Computational anatomy for studying use-dependant brain plasticity. <i>Frontiers in Human Neuroscience</i> , 2014 , 8, 380 | 3.3 | 23 |
| 60 | Reference cluster normalization improves detection of frontotemporal lobar degeneration by means of FDG-PET. <i>PLoS ONE</i> , 2013 , 8, e55415 | 3.7 | 22 |
| 59 | Converging patterns of aging-associated brain volume loss and tissue microstructure differences. <i>Neurobiology of Aging</i> , 2020 , 88, 108-118 | 5.6 | 21 |
| 58 | Impact of brain aging and neurodegeneration on cognition: evidence from MRI. <i>Current Opinion in Neurology</i> , 2013 , 26, 640-5 | 7.1 | 21 |
| 57 | Regional volumetric change in Parkinson's disease with cognitive decline. <i>Journal of the Neurological Sciences</i> , 2017 , 373, 88-94 | 3.2 | 20 |
| 56 | Anti-basal ganglia antibodies and Tourette's syndrome: a voxel-based morphometry and diffusion tensor imaging study in an adult population. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2008 , 79, 820-2 | 5.5 | 20 |
| 55 | Neuroticism, depression, and anxiety traits exacerbate the state of cognitive impairment and hippocampal vulnerability to Alzheimer's disease. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2017 , 7, 107-114 | 5.2 | 19 |
| 54 | Networks of myelin covariance. <i>Human Brain Mapping</i> , 2018 , 39, 1532-1554 | 5.9 | 18 |

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| 53 | Brain structure in movement disorders: a neuroimaging perspective. <i>Current Opinion in Neurology</i> , 2010 , 23, 413-9 | 7.1 | 18 |
| 52 | 16p11.2 Locus modulates response to satiety before the onset of obesity. <i>International Journal of Obesity</i> , 2016 , 40, 870-6 | 5.5 | 16 |
| 51 | Investigation of memory, executive functions, and anatomic correlates in asymptomatic FMR1 premutation carriers. <i>Neurobiology of Aging</i> , 2014 , 35, 1939-46 | 5.6 | 16 |
| 50 | 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 | 4 | 14 |
| 49 | Controlling motion artefact levels in MR images by suspending data acquisition during periods of head motion. <i>Magnetic Resonance in Medicine</i> , 2018 , 80, 2415-2426 | 4.4 | 14 |
| 48 | In vivo assessment of use-dependent brain plasticity--beyond the "one trick pony" imaging strategy. <i>NeuroImage</i> , 2013 , 73, 255-9; discussion 265-7 | 7.9 | 14 |
| 47 | The Combination of DAT-SPECT, Structural and Diffusion MRI Predicts Clinical Progression in Parkinson's Disease. <i>Frontiers in Aging Neuroscience</i> , 2019 , 11, 57 | 5.3 | 12 |
| 46 | Example dataset for the hMRI toolbox. <i>Data in Brief</i> , 2019 , 25, 104132 | 1.2 | 12 |
| 45 | The concept of schizotypy - A computational anatomy perspective. <i>Schizophrenia Research: Cognition</i> , 2015 , 2, 89-92 | 2.8 | 11 |
| 44 | Detection of cardiac right-to-left shunts by contrast-enhanced harmonic carotid duplex sonography. <i>Journal of Ultrasound in Medicine</i> , 2005 , 24, 1071-6 | 2.9 | 10 |
| 43 | Investigating Neuroanatomical Features in Top Athletes at the Single Subject Level. <i>PLoS ONE</i> , 2015 , 10, e0129508 | 3.7 | 9 |
| 42 | A plea for confidence intervals and consideration of generalizability in diagnostic studies. <i>Brain</i> , 2008 , 132, e102-e102 | 11.2 | 9 |
| 41 | On the Compatibility of Big Data Driven Research and Informed Consent: The Example of the Human Brain Project. <i>Law, Governance and Technology Series</i> , 2016 , 199-218 | 0 | 9 |
| 40 | Mean Oxygen Saturation during Sleep Is Related to Specific Brain Atrophy Pattern. <i>Annals of Neurology</i> , 2020 , 87, 921-930 | 9.4 | 8 |
| 39 | Simultaneous estimation of population receptive field and hemodynamic parameters from single point BOLD responses using Metropolis-Hastings sampling. <i>NeuroImage</i> , 2018 , 172, 175-193 | 7.9 | 8 |
| 38 | Change in Emotional and Theory of Mind Processing in Borderline Personality Disorder: A Pilot Study. <i>Journal of Nervous and Mental Disease</i> , 2018 , 206, 935-943 | 1.8 | 8 |
| 37 | Spatial Resolution and Imaging Encoding fMRI Settings for Optimal Cortical and Subcortical Motor Somatotopy in the Human Brain. <i>Frontiers in Neuroscience</i> , 2019 , 13, 571 | 5.1 | 7 |
| 36 | Automatic target validation based on neuroscientific literature mining for tractography. <i>Frontiers in Neuroanatomy</i> , 2015 , 9, 66 | 3.6 | 7 |

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| 35 | Selective activation of ectopic grey matter during motor task. <i>NeuroReport</i> , 2004 , 15, 251-3 | 1.7 | 7 |
| 34 | Developmental trajectories of neuroanatomical alterations associated with the 16p11.2 Copy Number Variations. <i>NeuroImage</i> , 2019 , 203, 116155 | 7.9 | 6 |
| 33 | 1q21.1 distal copy number variants are associated with cerebral and cognitive alterations in humans. <i>Translational Psychiatry</i> , 2021 , 11, 182 | 8.6 | 6 |
| 32 | Temporal trajectory of brain tissue property changes induced by electroconvulsive therapy. <i>NeuroImage</i> , 2021 , 232, 117895 | 7.9 | 6 |
| 31 | Effects of copy number variations on brain structure and risk for psychiatric illness: Large-scale studies from the ENIGMA working groups on CNVs. <i>Human Brain Mapping</i> , 2021 , | 5.9 | 6 |
| 30 | The Relationship between Life Course Socioeconomic Conditions and Objective and Subjective Memory in Older Age. <i>Brain Sciences</i> , 2021 , 11, | 3.4 | 5 |
| 29 | Multiple Linear Regression: Bayesian Inference for Distributed and Big Data in the Medical Informatics Platform of the Human Brain Project | | 3 |
| 28 | Mind the gap: performance metric evaluation in brain-age prediction | | 3 |
| 27 | Effects of eight neuropsychiatric copy number variants on human brain structure. <i>Translational Psychiatry</i> , 2021 , 11, 399 | 8.6 | 3 |
| 26 | Dopaminergic modulation of motor network compensatory mechanisms in Parkinson's disease. <i>Human Brain Mapping</i> , 2019 , 40, 4397-4416 | 5.9 | 2 |
| 25 | Brain Perfusion Imaging of a Craniopharyngioma by Transcranial Duplex Sonography 2003 , 13, 303-306 | | 2 |
| 24 | Composite trait Mendelian Randomization reveals distinct metabolic and lifestyle consequences of differences in body shape | | 2 |
| 23 | A nation-wide initiative for brain imaging and clinical phenotype data federation in Swiss university memory centres. <i>Current Opinion in Neurology</i> , 2019 , 32, 557-563 | 7.1 | 2 |
| 22 | Brain plasticity dynamics during tactile Braille learning in sighted subjects: Multi-contrast MRI approach. <i>NeuroImage</i> , 2021 , 227, 117613 | 7.9 | 2 |
| 21 | Integrating core conflictual relationship themes in neurobiological assessment of interpersonal processes in psychotherapy. <i>Counselling and Psychotherapy Research</i> , 2020 , 20, 488-496 | 1.3 | 2 |
| 20 | Trajectories of brain remodeling in temporal lobe epilepsy. <i>Journal of Neurology</i> , 2019 , 266, 3150-3159 | 5.5 | 1 |
| 19 | Neuro-Clinical Signatures of Language Impairments after Acute Stroke: A VBQ Analysis of Quantitative Native CT Scans. <i>Current Topics in Medicinal Chemistry</i> , 2020 , 20, 792-799 | 3 | 1 |
| 18 | Remodeling of brain morphology in temporal lobe epilepsy. <i>Brain and Behavior</i> , 2020 , 10, e01825 | 3.4 | 1 |

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| 17 | Gradient of electro-convulsive therapy's antidepressant effects along the longitudinal hippocampal axis. <i>Translational Psychiatry</i> , 2021 , 11, 191 | 8.6 | 1 |
| 16 | Mapping grip force to motor networks. <i>NeuroImage</i> , 2021 , 229, 117735 | 7.9 | 1 |
| 15 | Lessons Learned From Neuroimaging Studies of Copy Number Variants: A Systematic Review. <i>Biological Psychiatry</i> , 2021 , 90, 596-610 | 7.9 | 1 |
| 14 | Brain tissue properties link cardio-vascular risk factors, mood and cognitive performance in the CoLausPsyCoLaus epidemiological cohort. <i>Neurobiology of Aging</i> , 2021 , 102, 50-63 | 5.6 | 1 |
| 13 | Apolipoprotein E4 effects on topological brain network organization in mild cognitive impairment. <i>Scientific Reports</i> , 2021 , 11, 845 | 4.9 | 1 |
| 12 | Composite trait Mendelian randomization reveals distinct metabolic and lifestyle consequences of differences in body shape. <i>Communications Biology</i> , 2021 , 4, 1064 | 6.7 | 1 |
| 11 | Unraveling brain interactions in vision: The example of crowding. <i>NeuroImage</i> , 2021 , 240, 118390 | 7.9 | 1 |
| 10 | Mind the gap: Performance metric evaluation in brain-age prediction.. <i>Human Brain Mapping</i> , 2022 , | 5.9 | 1 |
| 9 | Clinical phenotype modulates brain's myelin and iron content in temporal lobe epilepsy. <i>Brain Structure and Function</i> , 2021 , 1 | 4 | 0 |
| 8 | Temporal Dynamics of Brain White Matter Plasticity in Sighted Subjects during Tactile Braille Learning: A Longitudinal Diffusion Tensor Imaging Study. <i>Journal of Neuroscience</i> , 2021 , 41, 7076-7085 | 6.6 | 0 |
| 7 | Mechanisms of change in brief treatments for borderline personality disorder: a protocol of a randomized controlled trial. <i>Trials</i> , 2020 , 21, 335 | 2.8 | 0 |
| 6 | Insights into Gilles de la Tourette Syndrome from the Neuroimaging Perspective 2015 , 737-741 | | |
| 5 | Un-crowding affects cortical activation in V1 differently from LOC. <i>Journal of Vision</i> , 2017 , 17, 368 | 0.4 | |
| 4 | Morphometric Analyses in Movement Disorders 2013 , 25-47 | | |
| 3 | Apolipoprotein E allele 4 effects on Single-Subject Gray Matter Networks in Mild Cognitive Impairment. <i>NeuroImage: Clinical</i> , 2021 , 32, 102799 | 5.3 | |
| 2 | Isolate or combine: population receptive field size in (un)crowding. <i>Journal of Vision</i> , 2021 , 21, 2196 | 0.4 | |
| 1 | SPHN - The Swiss Aging Citizen Reference (SACR). <i>Studies in Health Technology and Informatics</i> , 2020 , 270, 1168-1169 | 0.5 | |