Bogdan Draganski

List of Publications by Year
in descending order

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125	13,104	41344 49	24258 110
papers	citations	h-index	g-index

138	138	138	16161
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Changes in grey matter induced by training. Nature, 2004, 427, 311-312.	27.8	2,015
2	Automatic classification of MR scans in Alzheimer's disease. Brain, 2008, 131, 681-689.	7.6	1,017
3	Evidence for Segregated and Integrative Connectivity Patterns in the Human Basal Ganglia. Journal of Neuroscience, 2008, 28, 7143-7152.	3.6	695
4	Temporal and Spatial Dynamics of Brain Structure Changes during Extensive Learning. Journal of Neuroscience, 2006, 26, 6314-6317.	3.6	681
5	How the Brain Translates Money into Force: A Neuroimaging Study of Subliminal Motivation. Science, 2007, 316, 904-906.	12.6	525
6	A comparison between voxel-based cortical thickness and voxel-based morphometry in normal aging. NeuroImage, 2009, 48, 371-380.	4.2	504
7	Dynamic Properties of Human Brain Structure: Learning-Related Changes in Cortical Areas and Associated Fiber Connections. Journal of Neuroscience, 2010, 30, 11670-11677.	3.6	442
8	Gray matter decrease in patients with chronic tension type headache. Neurology, 2005, 65, 1483-1486.	1.1	381
9	Training-induced structural changes in the adult human brain. Behavioural Brain Research, 2008, 192, 137-142.	2.2	362
10	Affective components and intensity of pain correlate with structural differences in gray matter in chronic back pain patients. Pain, 2006, 125, 89-97.	4.2	358
11	Confirmation of functional zones within the human subthalamic nucleus: Patterns of connectivity and sub-parcellation using diffusion weighted imaging. NeuroImage, 2012, 60, 83-94.	4.2	294
12	Regional specificity of MRI contrast parameter changes in normal ageing revealed by voxel-based quantification (VBQ). NeuroImage, 2011, 55, 1423-1434.	4.2	259
13	Widespread age-related differences in the human brain microstructure revealed by quantitative magnetic resonance imaging. Neurobiology of Aging, 2014, 35, 1862-1872.	3.1	248
14	Interpreting scan data acquired from multiple scanners: A study with Alzheimer's disease. NeuroImage, 2008, 39, 1180-1185.	4.2	200
15	Defining the Effect of the 16p11.2 Duplication on Cognition, Behavior, and Medical Comorbidities. JAMA Psychiatry, 2016, 73, 20.	11.0	195
16	Decrease of thalamic gray matter following limb amputation. NeuroImage, 2006, 31, 951-957.	4.2	172
17	Voxel-based morphometry reveals reduced grey matter volume in the temporal cortex of developmental prosopagnosics. Brain, 2009, 132, 3443-3455.	7.6	166
18	Improved segmentation of deep brain grey matter structures using magnetization transfer (MT) parameter maps. NeuroImage, 2009, 47, 194-198.	4.2	164

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19	hMRI â€“ A toolbox for quantitative MRI in neuroscience and clinical research. NeuroImage, 2019, 194, 191-210.	4.2	161
20	The 16p11.2 locus modulates brain structures common to autism, schizophrenia and obesity. Molecular Psychiatry, 2015, 20, 140-147.	7.9	160
21	White matter connections reflect changes in voluntary-guided saccades in pre-symptomatic Huntington's disease. Brain, 2008, 131, 196-204.	7.6	153
22	Electroconvulsive therapy-induced brain plasticity determines therapeutic outcome in mood disorders. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 1156-1161.	7.1	141
23	Structural brain plasticity in Parkinson's disease induced by balance training. Neurobiology of Aging, 2014, 35, 232-239.	3.1	135
24	Multispectral brain morphometry in Tourette syndrome persisting into adulthood. Brain, 2010, 133, 3661-3675.	7.6	133
25	Brain networks modulated by subthalamic nucleus deep brain stimulation. Brain, 2016, 139, 2503-2515.	7.6	119
26	Bilateral thalamic gray matter changes in patients with restless legs syndrome. NeuroImage, 2005, 24, 1242-1247.	4.2	117
27	Hypothalamic gray matter changes in narcoleptic patients. Nature Medicine, 2002, 8, 1186-1188.	30.7	112
28	Functional compensation of motor function in pre-symptomatic Huntington's disease. Brain, 2009, 132, 1624-1632.	7.6	106
29	New tissue priors for improved automated classification of subcortical brain structures on MRI. NeuroImage, 2016, 130, 157-166.	4.2	104
30	Structural Correlates of Preterm Birth in the Adolescent Brain. Pediatrics, 2009, 124, e964-e972.	2.1	100
31	Automatic detection of preclinical neurodegeneration. Neurology, 2009, 72, 426-431.	1.1	91
32	Dopamine reverses reward insensitivity in apathy following globus pallidus lesions. Cortex, 2013, 49, 1292-1303.	2.4	90
33	How early can we predict Alzheimer's disease using computational anatomy?. Neurobiology of Aging, 2013, 34, 2815-2826.	3.1	90
34	Evolution of white matter tract microstructure across the life span. Human Brain Mapping, 2019, 40, 2252-2268.	3.6	88
35	Neurobiological origin of spurious brain morphological changes: A quantitative MRI study. Human Brain Mapping, 2016, 37, 1801-1815.	3.6	87
36	Altered brain mechanisms of emotion processing in pre-manifest Huntington's disease. Brain, 2012, 135, 1165-1179.	7.6	85

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37	Brain tissue properties differentiate between motor and limbic basal ganglia circuits. Human Brain Mapping, 2014, 35, 5083-5092.	3.6	82
38	Analysis of CO ₂ Vasomotor Reactivity and Vessel Diameter Changes by Simultaneous Venous and Arterial Doppler Recordings. Stroke, 1999, 30, 81-86.	2.0	81
39	The Number of Genomic Copies at the 16p11.2 Locus Modulates Language, Verbal Memory, and Inhibition. Biological Psychiatry, 2016, 80, 129-139.	1.3	78
40	Disentangling in vivo the effects of iron content and atrophy on the ageing human brain. NeuroImage, 2014, 103, 280-289.	4.2	68
41	The Global ECT-MRI Research Collaboration (GEMRIC): Establishing a multi-site investigation of the neural mechanisms underlying response to electroconvulsive therapy. NeuroImage: Clinical, 2017, 14, 422-432.	2.7	68
42	Generative FDG-PET and MRI Model of Aging and Disease Progression in Alzheimer's Disease. PLoS Computational Biology, 2013, 9, e1002987.	3.2	67
43	Relationship between imaging biomarkers, age, progression and symptom severity in Alzheimer's disease. NeuroImage: Clinical, 2013, 3, 84-94.	2.7	63
44	Genotypeâ€“phenotype interactions in primary dystonias revealed by differential changes in brain structure. NeuroImage, 2009, 47, 1141-1147.	4.2	62
45	Transcranial Duplex Sonography in the Detection of Patent Foramen Ovale. Radiology, 2002, 225, 693-699.	7.3	61
46	Mind the gap: Performance metric evaluation in brainâ€age prediction. Human Brain Mapping, 2022, 43, 3113-3129.	3.6	58
47	Differential patterns of functional and structural plasticity within and between inferior frontal gyri support trainingâ€induced improvements in inhibitory control proficiency. Human Brain Mapping, 2015, 36, 2527-2543.	3.6	57
48	Body Context and Posture Affect Mental Imagery of Hands. PLoS ONE, 2012, 7, e34382.	2.5	56
49	Quantifying the Effects of 16p11.2 Copy Number Variants on Brain Structure: A Multisite Genetic-First Study. Biological Psychiatry, 2018, 84, 253-264.	1.3	56
50	Brain structure in asymptomatic FMR1 premutation carriers at risk for fragile X-associated tremor/ataxia syndrome. Neurobiology of Aging, 2013, 34, 1700-1707.	3.1	52
51	Grey matter changes in motor conversion disorder. Journal of Neurology, Neurosurgery and Psychiatry, 2014, 85, 236-238.	1.9	52
52	The perception of touch and the ventral somatosensory pathway. Brain, 2015, 138, 540-548.	7.6	51
53	Characterizing Aging in the Human Brainstem Using Quantitative Multimodal MRI Analysis. Frontiers in Human Neuroscience, 2013, 7, 462.	2.0	50
54	Dose response of the 16p11.2 distal copy number variant on intracranial volume and basal ganglia. Molecular Psychiatry, 2020, 25, 584-602.	7.9	49

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55	Outcome Prediction of Consciousness Disorders in the Acute Stage Based on a Complementary Motor Behavioural Tool. PLoS ONE, 2016, 11, e0156882.	2.5	47
56	Complex Regional Pain Syndrome Type I Affects Brain Structure in Prefrontal and Motor Cortex. PLoS ONE, 2014, 9, e85372.	2.5	47
57	Modulatory effects of 5Hz rTMS over the primary somatosensory cortex in focal dystoniaâ€"An fMRIâ€TMS study. Movement Disorders, 2010, 25, 76-83.	3.9	46
58	Observation on the Integrity of the Bloodâ€Brain Barrier After Microbubble Destruction by Diagnostic Transcranial Colorâ€Coded Sonography. Journal of Ultrasound in Medicine, 2002, 21, 419-429.	1.7	44
59	Deep brain stimulation of the posterior gyrus rectus region for treatment resistant depression. Journal of Affective Disorders, 2016, 194, 33-37.	4.1	44
60	Converging patterns of aging-associated brain volume loss and tissue microstructure differences. Neurobiology of Aging, 2020, 88, 108-118.	3.1	43
61	Transcranial Ultrasound Brain Perfusion Assessment With a Contrast Agent-Specific Imaging Mode. Stroke, 2005, 36, 2283-2285.	2.0	41
62	Embodied neurology: an integrative framework for neurological disorders. Brain, 2016, 139, 1855-1861.	7.6	39
63	Networks of myelin covariance. Human Brain Mapping, 2018, 39, 1532-1554.	3.6	36
64	Do we need to revise the tripartite subdivision hypothesis of the human subthalamic nucleus (STN)? Response to Alkemade and Forstmann. NeuroImage, 2015, 110, 1-2.	4.2	33
65	Controlling motion artefact levels in MR images by suspending data acquisition during periods of head motion. Magnetic Resonance in Medicine, 2018, 80, 2415-2426.	3.0	33
66	Computational anatomy for studying use-dependant brain plasticity. Frontiers in Human Neuroscience, 2014, 8, 380.	2.0	31
67	16p11.2 Locus modulates response to satiety before the onset of obesity. International Journal of Obesity, 2016, 40, 870-876.	3.4	31
68	Effects of copy number variations on brain structure and risk for psychiatric illness: Largeâ€scale studies from the<scp>ENIGMA</scp>working groups on<scp>CNVs</scp>. Human Brain Mapping, 2022, 43, 300-328.	3.6	30
69	Influence of magnetic field strength and image registration strategy on voxelâ€based morphometry in a study of Alzheimer's disease. Human Brain Mapping, 2014, 35, 1865-1874.	3.6	29
70	Basal gangliaâ€cortical structural connectivity in Huntington's disease. Human Brain Mapping, 2015, 36, 1728-1740.	3.6	29
71	Neuroticism, depression, and anxiety traits exacerbate the state of cognitive impairment and hippocampal vulnerability to Alzheimer's disease. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2017, 7, 107-114.	2.4	29
72	Mean Oxygen Saturation during Sleep Is Related to Specific Brain Atrophy Pattern. Annals of Neurology, 2020, 87, 921-930.	5.3	28

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73	Impact of brain aging and neurodegeneration on cognition. Current Opinion in Neurology, 2013, 26, 640-645.	3.6	27
74	Reference Cluster Normalization Improves Detection of Frontotemporal Lobar Degeneration by Means of FDG-PET. PLoS ONE, 2013, 8, e55415.	2.5	25
75	Regional volumetric change in Parkinson's disease with cognitive decline. Journal of the Neurological Sciences, 2017, 373, 88-94.	0.6	24
76	Example dataset for the hMRI toolbox. Data in Brief, 2019, 25, 104132.	1.0	24
77	1q21.1 distal copy number variants are associated with cerebral and cognitive alterations in humans. Translational Psychiatry, 2021, 11, 182.	4.8	24
78	Lessons Learned From Neuroimaging Studies of Copy Number Variants: A Systematic Review. Biological Psychiatry, 2021, 90, 596-610.	1.3	22
79	Anti-basal ganglia antibodies and Tourette's syndrome: a voxel-based morphometry and diffusion tensor imaging study in an adult population. Journal of Neurology, Neurosurgery and Psychiatry, 2008, 79, 820-822.	1.9	21
80	Investigation of memory, executive functions, and anatomic correlates in asymptomatic FMR1 premutation carriers. Neurobiology of Aging, 2014, 35, 1939-1946.	3.1	20
81	Temporal trajectory of brain tissue property changes induced by electroconvulsive therapy. NeuroImage, 2021, 232, 117895.	4.2	20
82	Brain structure in movement disorders: a neuroimaging perspective. Current Opinion in Neurology, 2010, 23, 413-419.	3.6	18
83	The Combination of DAT-SPECT, Structural and Diffusion MRI Predicts Clinical Progression in Parkinsonâ€™s Disease. Frontiers in Aging Neuroscience, 2019, 11, 57.	3.4	18
84	Effects of eight neuropsychiatric copy number variants on human brain structure. Translational Psychiatry, 2021, 11, 399.	4.8	18
85	Sustained enhancements in inhibitory control depend primarily on the reinforcement of fronto-basal anatomical connectivity. Brain Structure and Function, 2017, 222, 635-643.	2.3	17
86	In vivo assessment of use-dependent brain plasticityâ€”Beyond the â€œone trick ponyâ€•imaging strategy. NeuroImage, 2013, 73, 255-259.	4.2	16
87	Brain plasticity dynamics during tactile Braille learning in sighted subjects: Multi-contrast MRI approach. NeuroImage, 2021, 227, 117613.	4.2	16
88	Sexâ€•and ageâ€specific associations between cardiometabolic risk and white matter brain age in the <scp>UK</scp> Biobank cohort. Human Brain Mapping, 2022, 43, 3759-3774.	3.6	16
89	Investigating Neuroanatomical Features in Top Athletes at the Single Subject Level. PLoS ONE, 2015, 10, e0129508.	2.5	15
90	Spatial Resolution and Imaging Encoding fMRI Settings for Optimal Cortical and Subcortical Motor Somatotopy in the Human Brain. Frontiers in Neuroscience, 2019, 13, 571.	2.8	14

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91	Brain tissue properties link cardio-vascular risk factors, mood and cognitive performance in the CoLaus|PsyCoLaus epidemiological cohort. Neurobiology of Aging, 2021, 102, 50-63.	3.1	14
92	Detection of Cardiac Right-to-Left Shunts by Contrast-Enhanced Harmonic Carotid Duplex Sonography. Journal of Ultrasound in Medicine, 2005, 24, 1071-1076.	1.7	13
93	The concept of schizotypy â€" A computational anatomy perspective. Schizophrenia Research: Cognition, 2015, 2, 89-92.	1.3	13
94	Composite trait Mendelian randomization reveals distinct metabolic and lifestyle consequences of differences in body shape. Communications Biology, 2021, 4, 1064.	4.4	13
95	On the Compatibility of Big Data Driven Research and Informed Consent: The Example of the Human Brain Project. Law, Governance and Technology Series, 2016, , 199-218.	0.4	13
96	Simultaneous estimation of population receptive field and hemodynamic parameters from single point BOLD responses using Metropolis-Hastings sampling. NeuroImage, 2018, 172, 175-193.	4.2	12
97	A nation-wide initiative for brain imaging and clinical phenotype data federation in Swiss university memory centres. Current Opinion in Neurology, 2019, 32, 557-563.	3.6	12
98	The Relationship between Life Course Socioeconomic Conditions and Objective and Subjective Memory in Older Age. Brain Sciences, 2021, 11, 61.	2.3	12
99	Selective activation of ectopic grey matter during motor task. NeuroReport, 2004, 15, 251-253.	1.2	11
100	Change in Emotional and Theory of Mind Processing in Borderline Personality Disorder. Journal of Nervous and Mental Disease, 2018, 206, 935-943.	1.0	11
101	A plea for confidence intervals and consideration of generalizability in diagnostic studies. Brain, 2008, 132, e102-e102.	7.6	10
102	Automatic target validation based on neuroscientific literature mining for tractography. Frontiers in Neuroanatomy, 2015, 9, 66.	1.7	9
103	Developmental trajectories of neuroanatomical alterations associated with the 16p11.2 Copy Number Variations. NeuroImage, 2019, 203, 116155.	4.2	9
104	Apolipoprotein E4 effects on topological brain network organization in mild cognitive impairment. Scientific Reports, 2021, 11, 845.	3.3	6
105	Mapping grip force to motor networks. NeuroImage, 2021, 229, 117735.	4.2	6
106	Temporal Dynamics of Brain White Matter Plasticity in Sighted Subjects during Tactile Braille Learning: A Longitudinal Diffusion Tensor Imaging Study. Journal of Neuroscience, 2021, 41, 7076-7085.	3.6	5
107	Dopaminergic modulation of motor network compensatory mechanisms in Parkinson's disease. Human Brain Mapping, 2019, 40, 4397-4416.	3.6	4
108	Trajectories of brain remodeling in temporal lobe epilepsy. Journal of Neurology, 2019, 266, 3150-3159.	3.6	3

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109	Remodeling of brain morphology in temporal lobe epilepsy. Brain and Behavior, 2020, 10, e01825.	2.2	3
110	Mechanisms of change in brief treatments for borderline personality disorder: a protocol of a randomized controlled trial. Trials, 2020, 21, 335.	1.6	3
111	Unraveling brain interactions in vision: The example of crowding. NeuroImage, 2021, 240, 118390.	4.2	3
112	Integrating core conflictual relationship themes in neurobiological assessment of interpersonal processes in psychotherapy. Counselling and Psychotherapy Research, 2020, 20, 488-496.	3.2	3
113	Clinical phenotype modulates brainâ€™s myelin and iron content in temporal lobe epilepsy. Brain Structure and Function, 2022, 227, 901-911.	2.3	3
114	Apolipoprotein E allele 4 effects on Single-Subject Gray Matter Networks in Mild Cognitive Impairment. NeuroImage: Clinical, 2021, 32, 102799.	2.7	2
115	Gradient of electro-convulsive therapyâ€™s antidepressant effects along the longitudinal hippocampal axis. Translational Psychiatry, 2021, 11, 191.	4.8	2
116	Brain Perfusion Imaging of a Craniopharyngioma by Transcranial Duplex Sonography. , 2003, 13, 303-306.		2
117	Poster Withdrawn: QUANTIFYING THE EFFECTS OF 16P11.2 CNVs ON BRAIN STRUCTURE, A MULTI-SITE â€˜GENETIC-FIRSTâ€™MRI STUDY. European Neuropsychopharmacology, 2019, 29, S859-S860.	0.7	1
118	Neuro-Clinical Signatures of Language Impairments after Acute Stroke: A VBQ Analysis of Quantitative Native CT Scans. Current Topics in Medicinal Chemistry, 2020, 20, 792-799.	2.1	1
119	Computer-based analysis of brain images. Current Opinion in Neurology, 2015, 28, 311-312.	3.6	0
120	Insights into Gilles de la Tourette Syndrome from the Neuroimaging Perspective. , 2015, , 737-741.		0
121	General Principles of Gene Dosage Effects on Brain Structure. Biological Psychiatry, 2020, 87, S177.	1.3	0
122	Isolate or combine: population receptive field size in (un)crowding. Journal of Vision, 2021, 21, 2196.	0.3	0
123	Morphometric Analyses in Movement Disorders. , 2013, , 25-47.		0
124	Un-crowding affects cortical activation in V1 differently from LOC. Journal of Vision, 2017, 17, 368.	0.3	0
125	SPHN - The Swiss Aging Citizen Reference (SACR). Studies in Health Technology and Informatics, 2020, 270, 1168-1169.	0.3	0