Gerard R Ridgway

List of Publications by Year
in descending order

100 papers	11,496 citations	46984 47 h-index	43868 91 g-index
122 all docs	122 docs citations	122 times ranked	16275 citing authors

#	Article	IF	Citations
1	Permutation inference for the general linear model. NeuroImage, 2014, 92, 381-397.	2.1	2,870
2	Fast free-form deformation using graphics processing units. Computer Methods and Programs in Biomedicine, 2010, 98, 278-284.	2.6	841
3	Apparent Fibre Density: A novel measure for the analysis of diffusion-weighted magnetic resonance images. NeuroImage, 2012, 59, 3976-3994.	2.1	491
4	Investigating white matter fibre density and morphology using fixel-based analysis. NeuroImage, 2017, 144, 58-73.	2.1	437
5	Head size, age and gender adjustment in MRI studies: a necessary nuisance?. NeuroImage, 2010, 53, 1244-1255.	2.1	421
6	Accurate automatic estimation of total intracranial volume: A nuisance variable with less nuisance. NeuroImage, 2015, 104, 366-372.	2.1	371
7	Connectivity-based fixel enhancement: Whole-brain statistical analysis of diffusion MRI measures in the presence of crossing fibres. NeuroImage, 2015, 117, 40-55.	2.1	276
8	Issues with threshold masking in voxel-based morphometry of atrophied brains. NeuroImage, 2009, 44, 99-111.	2.1	275
9	Symmetric diffeomorphic modeling of longitudinal structural MRI. Frontiers in Neuroscience, 2012, 6, 197.	1.4	256
10	Faster permutation inference in brain imaging. NeuroImage, 2016, 141, 502-516.	2.1	242
11	Patterns of cortical thinning in the language variants of frontotemporal lobar degeneration. Neurology, 2009, 72, 1562-1569.	1.5	241
12	Automated cross-sectional and longitudinal hippocampal volume measurement in mild cognitive impairment and Alzheimer's disease. NeuroImage, 2010, 51, 1345-1359.	2.1	224
13	Progressive logopenic/phonological aphasia: Erosion of the language network. NeuroImage, 2010, 49, 984-993.	2.1	223
14	Ten simple rules for reporting voxel-based morphometry studies. NeuroImage, 2008, 40, 1429-1435.	2.1	221
15	Distinct profiles of brain atrophy in frontotemporal lobar degeneration caused by progranulin and tau mutations. NeuroImage, 2010, 53, 1070-1076.	2.1	209
16	Magnetic resonance imaging evidence for presymptomatic change in thalamus and caudate in familial Alzheimerâ€™s disease. Brain, 2013, 136, 1399-1414.	3.7	174
17	MRI visual rating scales in the diagnosis of dementia: evaluation in 184 post-mortem confirmed cases. Brain, 2016, 139, 1211-1225.	3.7	174
18	Cortical thickness and voxel-based morphometry in posterior cortical atrophy and typical Alzheimer's disease. Neurobiology of Aging, 2011, 32, 1466-1476.	1.5	172

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19	A comparison of voxel and surface based cortical thickness estimation methods. NeuroImage, 2011, 57, 856-865.	2.1	163
20	Brain MAPS: An automated, accurate and robust brain extraction technique using a template library. NeuroImage, 2011, 55, 1091-1108.	2.1	152
21	Patterns of longitudinal brain atrophy in the logopenic variant of primary progressive aphasia. Brain and Language, 2013, 127, 121-126.	0.8	116
22	MIRIADâ€"Public release of a multiple time point Alzheimer's MR imaging dataset. NeuroImage, 2013, 70, 33-36.	2.1	111
23	The progression of regional atrophy in premanifest and early Huntington's disease: a longitudinal voxel-based morphometry study. Journal of Neurology, Neurosurgery and Psychiatry, 2010, 81, 756-763.	0.9	105
24	Profiles of white matter tract pathology in frontotemporal dementia. Human Brain Mapping, 2014, 35, 4163-4179.	1.9	102
25	White matter tract signatures of the progressive aphasias. Neurobiology of Aging, 2013, 34, 1687-1699.	1.5	97
26	Pitfalls in the Use of Voxel-Based Morphometry as a Biomarker: Examples from Huntington Disease. American Journal of Neuroradiology, 2010, 31, 711-719.	1.2	94
27	Defective emotion recognition in early HD is neuropsychologically and anatomically generic. Neuropsychologia, 2008, 46, 2152-2160.	0.7	93
28	Longitudinal neuroimaging and neuropsychological profiles of frontotemporal dementia with C9ORF72 expansions. Alzheimer's Research and Therapy, 2012, 4, 41.	3.0	89
29	Reduced Cortical Thickness in the Posterior Cingulate Gyrus is Characteristic of Both Typical and Atypical Alzheimer's Disease. Journal of Alzheimer's Disease, 2010, 20, 587-598.	1.2	87
30	Comparing the similarity and spatial structure of neural representations: A pattern-component model. NeuroImage, 2011, 55, 1665-1678.	2.1	87
31	Dysconnectivity Within the Default Mode in First-Episode Schizophrenia: A Stochastic Dynamic Causal Modeling Study With Functional Magnetic Resonance Imaging. Schizophrenia Bulletin, 2015, 41, 144-153.	2.3	84
32	LoAd: A locally adaptive cortical segmentation algorithm. NeuroImage, 2011, 56, 1386-1397.	2.1	81
33	The Importance of Group-Wise Registration in Tract Based Spatial Statistics Study of Neurodegeneration: A Simulation Study in Alzheimer's Disease. PLoS ONE, 2012, 7, e45996.	1.1	81
34	Individualized Gaussian process-based prediction and detection of local and global gray matter abnormalities in elderly subjects. NeuroImage, 2014, 97, 333-348.	2.1	78
35	Patterns of atrophy in pathologically confirmed dementias: a voxelwise analysis. Journal of Neurology, Neurosurgery and Psychiatry, 2017, 88, 908-916.	0.9	78
36	Early-onset Alzheimer disease clinical variants. Neurology, 2012, 79, 80-84.	1.5	77

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37	Algorithms, atrophy and Alzheimer's disease: Cautionary tales for clinical trials. NeuroImage, 2011, 57, 15-18.	2.1	69
38	Basic Visual Function and Cortical Thickness Patterns in Posterior Cortical Atrophy. Cerebral Cortex, 2011, 21, 2122-2132.	1.6	69
39	Impairments of auditory scene analysis in Alzheimer's disease. Brain, 2012, 135, 190-200.	3.7	67
40	The pattern of atrophy in familial Alzheimer disease. Neurology, 2013, 81, 1425-1433.	1.5	67
41	Voice processing in dementia: a neuropsychological and neuroanatomical analysis. Brain, 2011, 134, 2535-2547.	3.7	66
42	Vascular and Alzheimer's disease markers independently predict brain atrophy rate in Alzheimer's Disease Neuroimaging Initiative controls. Neurobiology of Aging, 2013, 34, 1996-2002.	1.5	66
43	Abstract conceptual feature ratings: the role of emotion, magnitude, and other cognitive domains in the organization of abstract conceptual knowledge. Frontiers in Human Neuroscience, 2013, 7, 186.	1.0	62
44	White matter hyperintensities are associated with disproportionate progressive hippocampal atrophy. Hippocampus, 2017, 27, 249-262.	0.9	62
45	Consistent multi-time-point brain atrophy estimation from the boundary shift integral. NeuroImage, 2012, 59, 3995-4005.	2.1	61
46	Targeted Regeneration of Bone in the Osteoporotic Human Femur. PLoS ONE, 2011, 6, e16190.	1.1	58
47	Relationship between CAG repeat length and brain volume in premanifest and early Huntingtonâ€™s disease. Journal of Neurology, 2009, 256, 203-212.	1.8	50
48	Imaging cadavers: Cold FLAIR and noninvasive brain thermometry using CSF diffusion. Magnetic Resonance in Medicine, 2008, 59, 190-195.	1.9	46
49	Specific brain morphometric changes in spinal cord injury with and without neuropathic pain. NeuroImage: Clinical, 2014, 5, 28-35.	1.4	46
50	Global gray matter changes in posterior cortical atrophy: A serial imaging study. Alzheimer's and Dementia, 2012, 8, 502-512.	0.4	45
51	Temporal and spatial evolution of grey matter atrophy in primary progressive multiple sclerosis. NeuroImage, 2014, 86, 257-264.	2.1	44
52	Patterns of Cortical Thickness according to APOE Genotype in Alzheimerâ€™s Disease. Dementia and Geriatric Cognitive Disorders, 2009, 28, 461-470.	0.7	38
53	The problem of low variance voxels in statistical parametric mapping; a new hat avoids a â€˜haircutâ€™. NeuroImage, 2012, 59, 2131-2141.	2.1	38
54	DIR-visible grey matter lesions and atrophy in multiple sclerosis: partners in crime?. Journal of Neurology, Neurosurgery and Psychiatry, 2016, 87, 461-467.	0.9	38

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55	Genetic Influences on Atrophy Patterns in Familial Alzheimer's Disease: A Comparison of APP and PSEN1 Mutations. Journal of Alzheimer's Disease, 2013, 35, 199-212.	1.2	36
56	Prominent effects and neural correlates of visual crowding in a neurodegenerative disease population. Brain, 2014, 137, 3284-3299.	3.7	36
57	Estimating anatomical trajectories with Bayesian mixed-effects modeling. NeuroImage, 2015, 121, 51-68.	2.1	33
58	Phenomenological Model of Diffuse Global and Regional Atrophy Using Finite-Element Methods. IEEE Transactions on Medical Imaging, 2006, 25, 1417-1430.	5.4	32
59	Accuracy assessment of global and local atrophy measurement techniques with realistic simulated longitudinal Alzheimer's disease images. NeuroImage, 2008, 42, 696-709.	2.1	32
60	Accent processing in dementia. Neuropsychologia, 2012, 50, 2233-2244.	0.7	31
61	Patterns of progressive atrophy vary with age in Alzheimer's disease patients. Neurobiology of Aging, 2018, 63, 22-32.	1.5	31
62	Nonverbal sound processing in semantic dementia: A functional MRI study. NeuroImage, 2012, 61, 170-180.	2.1	29
63	Quantitative MRCP Imaging: Accuracy, Repeatability, Reproducibility, and CohortâEDerived Normative Ranges. Journal of Magnetic Resonance Imaging, 2020, 52, 807-820.	1.9	27
64	Parametric non-rigid registration using a stationary velocity field. , 2012, , .		25
65	Multivariate dynamical modelling of structural change during development. NeuroImage, 2017, 147, 746-762.	2.1	22
66	Diffeomorphic demons using normalized mutual information, evaluation on multimodal brain MR images. Proceedings of SPIE, 2010, , .	0.8	21
67	The role of polarity in antonym and synonym conceptual knowledge: Evidence from stroke aphasia and multidimensional ratings of abstract words. Neuropsychologia, 2012, 50, 2636-2644.	0.7	21
68	Efficient Posterior Probability Mapping Using Savage-Dickey Ratios. PLoS ONE, 2013, 8, e59655.	1.1	20
69	Increasing Power to Predict Mild Cognitive Impairment Conversion to Alzheimerâ€™s Disease Using Hippocampal Atrophy Rate and Statistical Shape Models. Lecture Notes in Computer Science, 2010, 13, 125-132.	1.0	18
70	Distinct neuropsychological profiles correspond to distribution of cortical thinning in inherited prion disease caused by insertional mutation. Journal of Neurology, Neurosurgery and Psychiatry, 2012, 83, 109-114.	0.9	14
71	Evaluation of quantitative MRCP (MRCP+) for risk stratification of primary sclerosing cholangitis: comparison with morphological MRCP, MR elastography, and biochemical risk scores. European Radiology, 2022, 32, 67-77.	2.3	14
72	Failed replications, contributing factors andÂcarefulÂinterpretations: Commentary onÂBoekelÂetÂal., 2015. Cortex, 2016, 74, 338-342.	1.1	12

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73	Real-time decoding of covert attention in higher-order visual areas. NeuroImage, 2018, 169, 462-472.	2.1	12
74	Quantitative magnetic resonance imaging predicts individual future liver performance after liver resection for cancer. PLoS ONE, 2020, 15, e0238568.	1.1	12
75	Image similarity metrics in image registration. Proceedings of SPIE, 2010, , .	0.8	10
76	A parallel-friendly normalized mutual information gradient for free-form registration. Proceedings of SPIE, 2009, , .	0.8	8
77	Multiparameter MR Imaging in the6-OPRIVariant of Inherited Prion Disease. American Journal of Neuroradiology, 2013, 34, 1723-1730.	1.2	8
78	Neuroanatomical correlates of prion disease progression - a 3T longitudinal voxel-based morphometry study. NeuroImage: Clinical, 2017, 13, 89-96.	1.4	8
79	A Quantitative Magnetic Resonance Cholangiopancreatography Metric of Intrahepatic Biliary Dilatation Severity Detects Highâ€Risk Primary Sclerosing Cholangitis. Hepatology Communications, 2022, 6, 795-808.	2.0	8
80	Improved Maximum a Posteriori Cortical Segmentation by Iterative Relaxation of Priors. Lecture Notes in Computer Science, 2009, 12, 441-449.	1.0	7
81	Log-Euclidean free-form deformation. , 2011, , .		6
82	Simulation of Acquisition Artefacts in MR Scans: Effects on Automatic Measures of Brain Atrophy. Lecture Notes in Computer Science, 2006, 9, 272-280.	1.0	6
83	Accuracy Assessment of Global and Local Atrophy Measurement Techniques with Realistic Simulated Longitudinal Data. , 2007, 10, 785-792.		5
84	On the semantic elements of abstract words. Cortex, 2012, 48, 1376-1378.	1.1	4
85	Bayesian Image Modeling of cDNA Microarray Spots. IEEE Signal Processing Letters, 2007, 14, 653-656.	2.1	3
86	Automated brain extraction using Multi-Atlas Propagation and Segmentation (MAPS). , 2011, , .		3
87	Segmentation of the Biliary Tree from MRCP Images via the Monogenic Signal. Communications in Computer and Information Science, 2020, , 105-117.	0.4	3
88	Bayesian modelling of microarray images. , 2006, , .		2
89	Locally weighted Markov random fields for cortical segmentation. , 2010, , .		2
90	Classification of Alzheimer's disease patients with hippocampal shape, wrapper based feature selection and support vector machine. Proceedings of SPIE, 2012, , .	0.8	2

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91	Volitional modulation of higher-order visual cortex alters human perception. NeuroImage, 2019, 188, 291-301.	2.1	2
92	CLINICAL SYNDROMES ASSOCIATED WITH POSTERIOR ATROPHY: EARLY AGE AT ONSET AD SPECTRUM. Neurology, 2010, 75, 479-480.	1.5	1
93	Nonrigid registration with differential bias correction using normalised mutual information. , 2010, , .		1
94	Set-level threshold-free tests on the intrinsic volumes of SPMs. NeuroImage, 2013, 68, 133-140.	2.1	1
95	Putaminal diffusion tensor imaging measures predict disease severity across human prion diseases. Brain Communications, 2020, 2, fcaa032.	1.5	1
96	Nonlinear Elastic Spline Registration: Evaluation with Longitudinal Huntingtonâ€™s Disease Data. Lecture Notes in Computer Science, 2010, , 128-139.	1.0	1
97	Cross-sectional analysis using voxel or surface based cortical thickness methods: A comparison study. , 2011, , .		0
98	IC-P-057: CLASSIFICATION OF PATHOLOGY USING BRAIN SUBSTRUCTURE VOLUMES IN POST MORTEM CONFIRMED DEMENTIAS. , 2014, 10, P32-P33.		0
99	P2-190: CLASSIFICATION OF PATHOLOGY USING BRAIN SUBSTRUCTURE VOLUMES IN POSTMORTEM CONFIRMED DEMENTIAS. , 2014, 10, P540-P541.		0
100	[O1â€“02â€“02]: CHARACTERISING PRESYMPTOMATIC ATROPHY PATTERNS THROUGH MULTIVARIATE MACHINE LEARNING. Alzheimer's and Dementia, 2017, 13, P185.	0.4	0