

# Gerard R Ridgway

## 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.

98  
papers

8,505  
citations

45  
h-index

92  
g-index

122  
ext. papers

10,410  
ext. citations

5.8  
avg, IF

5.97  
L-index

#	Paper	IF	Citations
98	Permutation inference for the general linear model. <i>NeuroImage</i> , <b>2014</b> , 92, 381-97	7.9	1884
97	Fast free-form deformation using graphics processing units. <i>Computer Methods and Programs in Biomedicine</i> , <b>2010</b> , 98, 278-84	6.9	650
96	Apparent Fibre Density: a novel measure for the analysis of diffusion-weighted magnetic resonance images. <i>NeuroImage</i> , <b>2012</b> , 59, 3976-94	7.9	341
95	Head size, age and gender adjustment in MRI studies: a necessary nuisance?. <i>NeuroImage</i> , <b>2010</b> , 53, 1244-55	7.9	313
94	Accurate automatic estimation of total intracranial volume: a nuisance variable with less nuisance. <i>NeuroImage</i> , <b>2015</b> , 104, 366-72	7.9	276
93	Investigating white matter fibre density and morphology using fixel-based analysis. <i>NeuroImage</i> , <b>2017</b> , 144, 58-73	7.9	249
92	Issues with threshold masking in voxel-based morphometry of atrophied brains. <i>NeuroImage</i> , <b>2009</b> , 44, 99-111	7.9	234
91	Patterns of cortical thinning in the language variants of frontotemporal lobar degeneration. <i>Neurology</i> , <b>2009</b> , 72, 1562-9	6.5	215
90	Symmetric diffeomorphic modeling of longitudinal structural MRI. <i>Frontiers in Neuroscience</i> , <b>2012</b> , 6, 197	5.1	203
89	Automated cross-sectional and longitudinal hippocampal volume measurement in mild cognitive impairment and Alzheimer's disease. <i>NeuroImage</i> , <b>2010</b> , 51, 1345-59	7.9	203
88	Ten simple rules for reporting voxel-based morphometry studies. <i>NeuroImage</i> , <b>2008</b> , 40, 1429-35	7.9	203
87	Progressive logopenic/phonological aphasia: erosion of the language network. <i>NeuroImage</i> , <b>2010</b> , 49, 984-93	7.9	181
86	Distinct profiles of brain atrophy in frontotemporal lobar degeneration caused by progranulin and tau mutations. <i>NeuroImage</i> , <b>2010</b> , 53, 1070-6	7.9	181
85	Connectivity-based fixel enhancement: Whole-brain statistical analysis of diffusion MRI measures in the presence of crossing fibres. <i>NeuroImage</i> , <b>2015</b> , 117, 40-55	7.9	163
84	Magnetic resonance imaging evidence for presymptomatic change in thalamus and caudate in familial Alzheimer's disease. <i>Brain</i> , <b>2013</b> , 136, 1399-414	11.2	148
83	Cortical thickness and voxel-based morphometry in posterior cortical atrophy and typical Alzheimer's disease. <i>Neurobiology of Aging</i> , <b>2011</b> , 32, 1466-76	5.6	138
82	Faster permutation inference in brain imaging. <i>NeuroImage</i> , <b>2016</b> , 141, 502-516	7.9	136

81	MRI visual rating scales in the diagnosis of dementia: evaluation in 184 post-mortem confirmed cases. <i>Brain</i> , <b>2016</b> , 139, 1211-25	11.2	135
80	Brain MAPS: an automated, accurate and robust brain extraction technique using a template library. <i>NeuroImage</i> , <b>2011</b> , 55, 1091-108	7.9	124
79	A comparison of voxel and surface based cortical thickness estimation methods. <i>NeuroImage</i> , <b>2011</b> , 57, 856-65	7.9	122
78	The progression of regional atrophy in premanifest and early Huntington's disease: a longitudinal voxel-based morphometry study. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , <b>2010</b> , 81, 756-63	5.5	90
77	Profiles of white matter tract pathology in frontotemporal dementia. <i>Human Brain Mapping</i> , <b>2014</b> , 35, 4163-79	5.9	84
76	Patterns of longitudinal brain atrophy in the logopenic variant of primary progressive aphasia. <i>Brain and Language</i> , <b>2013</b> , 127, 121-6	2.9	84
75	Defective emotion recognition in early HD is neuropsychologically and anatomically generic. <i>Neuropsychologia</i> , <b>2008</b> , 46, 2152-60	3.2	84
74	Pitfalls in the use of voxel-based morphometry as a biomarker: examples from huntington disease. <i>American Journal of Neuroradiology</i> , <b>2010</b> , 31, 711-9	4.4	82
73	White matter tract signatures of the progressive aphasias. <i>Neurobiology of Aging</i> , <b>2013</b> , 34, 1687-99	5.6	76
72	Longitudinal neuroimaging and neuropsychological profiles of frontotemporal dementia with C9ORF72 expansions. <i>Alzheimers Research and Therapy</i> , <b>2012</b> , 4, 41	9	73
71	Reduced cortical thickness in the posterior cingulate gyrus is characteristic of both typical and atypical Alzheimer's disease. <i>Journal of Alzheimers Disease</i> , <b>2010</b> , 20, 587-98	4.3	73
70	LoAd: a locally adaptive cortical segmentation algorithm. <i>NeuroImage</i> , <b>2011</b> , 56, 1386-97	7.9	72
69	MIRIAD--Public release of a multiple time point Alzheimer's MR imaging dataset. <i>NeuroImage</i> , <b>2013</b> , 70, 33-6	7.9	70
68	Dysconnectivity within the default mode in first-episode schizophrenia: a stochastic dynamic causal modeling study with functional magnetic resonance imaging. <i>Schizophrenia Bulletin</i> , <b>2015</b> , 41, 144-53	1.3	68
67	The importance of group-wise registration in tract based spatial statistics study of neurodegeneration: a simulation study in Alzheimer's disease. <i>PLoS ONE</i> , <b>2012</b> , 7, e45996	3.7	65
66	Algorithms, atrophy and Alzheimer's disease: cautionary tales for clinical trials. <i>NeuroImage</i> , <b>2011</b> , 57, 15-18	7.9	64
65	Comparing the similarity and spatial structure of neural representations: a pattern-component model. <i>NeuroImage</i> , <b>2011</b> , 55, 1665-78	7.9	63
64	Early-onset Alzheimer disease clinical variants: multivariate analyses of cortical thickness. <i>Neurology</i> , <b>2012</b> , 79, 80-4	6.5	63

63	The pattern of atrophy in familial Alzheimer disease: volumetric MRI results from the DIAN study. <i>Neurology</i> , <b>2013</b> , 81, 1425-33	6.5	56
62	Basic visual function and cortical thickness patterns in posterior cortical atrophy. <i>Cerebral Cortex</i> , <b>2011</b> , 21, 2122-32	5.1	56
61	Consistent multi-time-point brain atrophy estimation from the boundary shift integral. <i>NeuroImage</i> , <b>2012</b> , 59, 3995-4005	7.9	54
60	Targeted regeneration of bone in the osteoporotic human femur. <i>PLoS ONE</i> , <b>2011</b> , 6, e16190	3.7	53
59	Abstract conceptual feature ratings: the role of emotion, magnitude, and other cognitive domains in the organization of abstract conceptual knowledge. <i>Frontiers in Human Neuroscience</i> , <b>2013</b> , 7, 186	3.3	52
58	Voice processing in dementia: a neuropsychological and neuroanatomical analysis. <i>Brain</i> , <b>2011</b> , 134, 2535-47	4.7	52
57	Vascular and Alzheimer's disease markers independently predict brain atrophy rate in Alzheimer's Disease Neuroimaging Initiative controls. <i>Neurobiology of Aging</i> , <b>2013</b> , 34, 1996-2002	5.6	51
56	Impairments of auditory scene analysis in Alzheimer's disease. <i>Brain</i> , <b>2012</b> , 135, 190-200	11.2	50
55	Individualized Gaussian process-based prediction and detection of local and global gray matter abnormalities in elderly subjects. <i>NeuroImage</i> , <b>2014</b> , 97, 333-48	7.9	48
54	Relationship between CAG repeat length and brain volume in premanifest and early Huntington's disease. <i>Journal of Neurology</i> , <b>2009</b> , 256, 203-12	5.5	48
53	Patterns of atrophy in pathologically confirmed dementias: a voxelwise analysis. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , <b>2017</b> , 88, 908-916	5.5	45
52	White matter hyperintensities are associated with disproportionate progressive hippocampal atrophy. <i>Hippocampus</i> , <b>2017</b> , 27, 249-262	3.5	45
51	Global gray matter changes in posterior cortical atrophy: a serial imaging study. <i>Alzheimers and Dementia</i> , <b>2012</b> , 8, 502-12	1.2	40
50	Imaging cadavers: cold FLAIR and noninvasive brain thermometry using CSF diffusion. <i>Magnetic Resonance in Medicine</i> , <b>2008</b> , 59, 190-5	4.4	36
49	Specific brain morphometric changes in spinal cord injury with and without neuropathic pain. <i>NeuroImage: Clinical</i> , <b>2014</b> , 5, 28-35	5.3	34
48	Temporal and spatial evolution of grey matter atrophy in primary progressive multiple sclerosis. <i>NeuroImage</i> , <b>2014</b> , 86, 257-64	7.9	33
47	Genetic influences on atrophy patterns in familial Alzheimer's disease: a comparison of APP and PSEN1 mutations. <i>Journal of Alzheimers Disease</i> , <b>2013</b> , 35, 199-212	4.3	31
46	Accuracy assessment of global and local atrophy measurement techniques with realistic simulated longitudinal Alzheimer's disease images. <i>NeuroImage</i> , <b>2008</b> , 42, 696-709	7.9	31

45	DIR-visible grey matter lesions and atrophy in multiple sclerosis: partners in crime?. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , <b>2016</b> , 87, 461-7	5.5	30
44	Phenomenological model of diffuse global and regional atrophy using finite-element methods. <i>IEEE Transactions on Medical Imaging</i> , <b>2006</b> , 25, 1417-30	11.7	28
43	Patterns of cortical thickness according to APOE genotype in Alzheimer's disease. <i>Dementia and Geriatric Cognitive Disorders</i> , <b>2009</b> , 28, 476-85	2.6	26
42	Prominent effects and neural correlates of visual crowding in a neurodegenerative disease population. <i>Brain</i> , <b>2014</b> , 137, 3284-99	11.2	25
41	The problem of low variance voxels in statistical parametric mapping; a new hat avoids a 'haircut'. <i>NeuroImage</i> , <b>2012</b> , 59, 2131-41	7.9	25
40	Nonverbal sound processing in semantic dementia: a functional MRI study. <i>NeuroImage</i> , <b>2012</b> , 61, 170-80	7.9	25
39	Patterns of progressive atrophy vary with age in Alzheimer's disease patients. <i>Neurobiology of Aging</i> , <b>2018</b> , 63, 22-32	5.6	23
38	Estimating anatomical trajectories with Bayesian mixed-effects modeling. <i>NeuroImage</i> , <b>2015</b> , 121, 51-68	7.9	21
37	Parametric non-rigid registration using a stationary velocity field <b>2012</b> ,		21
36	Accent processing in dementia. <i>Neuropsychologia</i> , <b>2012</b> , 50, 2233-44	3.2	21
35	The role of polarity in antonym and synonym conceptual knowledge: evidence from stroke aphasia and multidimensional ratings of abstract words. <i>Neuropsychologia</i> , <b>2012</b> , 50, 2636-44	3.2	20
34	Diffeomorphic demons using normalized mutual information, evaluation on multimodal brain MR images <b>2010</b> ,		17
33	Increasing power to predict mild cognitive impairment conversion to Alzheimer's disease using hippocampal atrophy rate and statistical shape models. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 13, 125-32	0.9	17
32	Multivariate dynamical modelling of structural change during development. <i>NeuroImage</i> , <b>2017</b> , 147, 746-7	6.2	16
31	Efficient posterior probability mapping using Savage-Dickey ratios. <i>PLoS ONE</i> , <b>2013</b> , 8, e59655	3.7	13
30	Distinct neuropsychological profiles correspond to distribution of cortical thinning in inherited prion disease caused by insertional mutation. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , <b>2012</b> , 83, 109-14	5.5	12
29	Quantitative MRCP Imaging: Accuracy, Repeatability, Reproducibility, and Cohort-Derived Normative Ranges. <i>Journal of Magnetic Resonance Imaging</i> , <b>2020</b> , 52, 807-820	5.6	11
28	Failed replications, contributing factors and careful interpretations: Commentary on Boekel et al., 2015. <i>Cortex</i> , <b>2016</b> , 74, 338-42	3.8	11

27	Real-time decoding of covert attention in higher-order visual areas. <i>NeuroImage</i> , <b>2018</b> , 169, 462-472	7.9	8
26	Multiparameter MR imaging in the 6-OPRI variant of inherited prion disease. <i>American Journal of Neuroradiology</i> , <b>2013</b> , 34, 1723-30	4.4	8
25	Neuroanatomical correlates of prion disease progression - a 3T longitudinal voxel-based morphometry study. <i>NeuroImage: Clinical</i> , <b>2017</b> , 13, 89-96	5.3	7
24	Image similarity metrics in image registration <b>2010</b> ,		7
23	A parallel-friendly normalized mutual information gradient for free-form registration <b>2009</b> ,		6
22	Quantitative magnetic resonance imaging predicts individual future liver performance after liver resection for cancer. <i>PLoS ONE</i> , <b>2020</b> , 15, e0238568	3.7	6
21	Log-Euclidean free-form deformation <b>2011</b> ,		5
20	Improved maximum a posteriori cortical segmentation by iterative relaxation of priors. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 12, 441-9	0.9	5
19	Simulation of acquisition artefacts in MR scans: effects on automatic measures of brain atrophy. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 9, 272-80	0.9	5
18	On the semantic elements of abstract words. <i>Cortex</i> , <b>2012</b> , 48, 1376-8; discussion 1383-7	3.8	4
17	Accuracy assessment of global and local atrophy measurement techniques with realistic simulated longitudinal data <b>2007</b> , 10, 785-92		4
16	Pancreas Segmentation-Derived Biomarkers: Volume and Shape Metrics in the UK Biobank Imaging Study. <i>Communications in Computer and Information Science</i> , <b>2020</b> , 131-142	0.3	4
15	Automated brain extraction using Multi-Atlas Propagation and Segmentation (MAPS) <b>2011</b> ,		3
14	Segmentation of the Biliary Tree from MRCP Images via the Monogenic Signal. <i>Communications in Computer and Information Science</i> , <b>2020</b> , 105-117	0.3	3
13	Classification of Alzheimer's disease patients with hippocampal shape, wrapper based feature selection and support vector machine <b>2012</b> ,		2
12	Bayesian Image Modeling of cDNA Microarray Spots. <i>IEEE Signal Processing Letters</i> , <b>2007</b> , 14, 653-656	3.2	2
11	Clinical syndromes associated with posterior atrophy: early age at onset AD spectrum. <i>Neurology</i> , <b>2010</b> , 75, 479; author reply 479-80	6.5	1
10	Nonrigid registration with differential bias correction using normalised mutual information <b>2010</b> ,		1

9	Bayesian modelling of microarray images <b>2006</b> ,		1
8	Nonlinear Elastic Spline Registration: Evaluation with Longitudinal Huntington's Disease Data. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 128-139	0.9	1
7	Volitional modulation of higher-order visual cortex alters human perception. <i>NeuroImage</i> , <b>2019</b> , 188, 291-301	7.9	1
6	Evaluation of quantitative MRCP (MRCP+) for risk stratification of primary sclerosing cholangitis: comparison with morphological MRCP, MR elastography, and biochemical risk scores. <i>European Radiology</i> , <b>2022</b> , 32, 67-77	8	1
5	Set-level threshold-free tests on the intrinsic volumes of SPMs. <i>NeuroImage</i> , <b>2013</b> , 68, 133-40	7.9	0
4	IC-P-057: CLASSIFICATION OF PATHOLOGY USING BRAIN SUBSTRUCTURE VOLUMES IN POST MORTEM CONFIRMED DEMENTIAS <b>2014</b> , 10, P32-P33		
3	P2-190: CLASSIFICATION OF PATHOLOGY USING BRAIN SUBSTRUCTURE VOLUMES IN POSTMORTEM CONFIRMED DEMENTIAS <b>2014</b> , 10, P540-P541		
2	[O10202]: CHARACTERISING PRESYMPTOMATIC ATROPHY PATTERNS THROUGH MULTIVARIATE MACHINE LEARNING <b>2017</b> , 13, P185-P186		
1	Putaminal diffusion tensor imaging measures predict disease severity across human prion diseases. <i>Brain Communications</i> , <b>2020</b> , 2, fcaa032	4.5	