

Gerard R Ridgway

List of Publications by Year in descending order

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Version: 2024-02-01

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	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> , 2022, 32, 67-77.	2.3	14
2	A Quantitative Magnetic Resonance Cholangiopancreatography Metric of Intrahepatic Biliary Dilatation Severity Detects High-Risk Primary Sclerosing Cholangitis. <i>Hepatology Communications</i> , 2022, 6, 795-808.	2.0	8
3	Putaminal diffusion tensor imaging measures predict disease severity across human prion diseases. <i>Brain Communications</i> , 2020, 2, fcaa032.	1.5	1
4	Quantitative MRCP Imaging: Accuracy, Repeatability, Reproducibility, and Cohort-Derived Normative Ranges. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 52, 807-820.	1.9	27
5	Segmentation of the Biliary Tree from MRCP Images via the Monogenic Signal. <i>Communications in Computer and Information Science</i> , 2020, , 105-117.	0.4	3
6	Quantitative magnetic resonance imaging predicts individual future liver performance after liver resection for cancer. <i>PLoS ONE</i> , 2020, 15, e0238568.	1.1	12
7	Volitional modulation of higher-order visual cortex alters human perception. <i>NeuroImage</i> , 2019, 188, 291-301.	2.1	2
8	Real-time decoding of covert attention in higher-order visual areas. <i>NeuroImage</i> , 2018, 169, 462-472.	2.1	12
9	Patterns of progressive atrophy vary with age in Alzheimer's disease patients. <i>Neurobiology of Aging</i> , 2018, 63, 22-32.	1.5	31
10	Patterns of atrophy in pathologically confirmed dementias: a voxelwise analysis. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2017, 88, 908-916.	0.9	78
11	Neuroanatomical correlates of prion disease progression - a 3T longitudinal voxel-based morphometry study. <i>NeuroImage: Clinical</i> , 2017, 13, 89-96.	1.4	8
12	White matter hyperintensities are associated with disproportionate progressive hippocampal atrophy. <i>Hippocampus</i> , 2017, 27, 249-262.	0.9	62
13	Multivariate dynamical modelling of structural change during development. <i>NeuroImage</i> , 2017, 147, 746-762.	2.1	22
14	Investigating white matter fibre density and morphology using fixel-based analysis. <i>NeuroImage</i> , 2017, 144, 58-73.	2.1	437
15	[O1â€“02â€“02]: CHARACTERISING PRESYMPTOMATIC ATROPHY PATTERNS THROUGH MULTIVARIATE MACHINE LEARNING. <i>Alzheimer's and Dementia</i> , 2017, 13, P185.	0.4	0
16	Faster permutation inference in brain imaging. <i>NeuroImage</i> , 2016, 141, 502-516.	2.1	242
17	MRI visual rating scales in the diagnosis of dementia: evaluation in 184 post-mortem confirmed cases. <i>Brain</i> , 2016, 139, 1211-1225.	3.7	174
18	Failed replications, contributing factors and careful interpretations: Commentary on Boekel et al., 2015. <i>Cortex</i> , 2016, 74, 338-342.	1.1	12

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19	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
20	Accurate automatic estimation of total intracranial volume: A nuisance variable with less nuisance. NeuroImage, 2015, 104, 366-372.	2.1	371
21	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
22	Estimating anatomical trajectories with Bayesian mixed-effects modeling. NeuroImage, 2015, 121, 51-68.	2.1	33
23	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
24	Prominent effects and neural correlates of visual crowding in a neurodegenerative disease population. Brain, 2014, 137, 3284-3299.	3.7	36
25	Profiles of white matter tract pathology in frontotemporal dementia. Human Brain Mapping, 2014, 35, 4163-4179.	1.9	102
26	Temporal and spatial evolution of grey matter atrophy in primary progressive multiple sclerosis. NeuroImage, 2014, 86, 257-264.	2.1	44
27	Permutation inference for the general linear model. NeuroImage, 2014, 92, 381-397.	2.1	2,870
28	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
29	Specific brain morphometric changes in spinal cord injury with and without neuropathic pain. NeuroImage: Clinical, 2014, 5, 28-35.	1.4	46
30	IC-P-057: CLASSIFICATION OF PATHOLOGY USING BRAIN SUBSTRUCTURE VOLUMES IN POST MORTEM CONFIRMED DEMENTIAS. , 2014, 10, P32-P33.		0
31	P2-190: CLASSIFICATION OF PATHOLOGY USING BRAIN SUBSTRUCTURE VOLUMES IN POSTMORTEM CONFIRMED DEMENTIAS. , 2014, 10, P540-P541.		0
32	White matter tract signatures of the progressive aphasias. Neurobiology of Aging, 2013, 34, 1687-1699.	1.5	97
33	Patterns of longitudinal brain atrophy in the logopenic variant of primary progressive aphasia. Brain and Language, 2013, 127, 121-126.	0.8	116
34	Set-level threshold-free tests on the intrinsic volumes of SPMs. NeuroImage, 2013, 68, 133-140.	2.1	1
35	MIRIADâ€™Public release of a multiple time point Alzheimer's MR imaging dataset. NeuroImage, 2013, 70, 33-36.	2.1	111
36	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

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37	The pattern of atrophy in familial Alzheimer disease. <i>Neurology</i> , 2013, 81, 1425-1433.	1.5	67
38	Multiparameter MR Imaging in the <i>6-OPRI</i> Variant of Inherited Prion Disease. <i>American Journal of Neuroradiology</i> , 2013, 34, 1723-1730.	1.2	8
39	Magnetic resonance imaging evidence for presymptomatic change in thalamus and caudate in familial Alzheimer's disease. <i>Brain</i> , 2013, 136, 1399-1414.	3.7	174
40	Genetic Influences on Atrophy Patterns in Familial Alzheimer's Disease: A Comparison of APP and PSEN1 Mutations. <i>Journal of Alzheimer's Disease</i> , 2013, 35, 199-212.	1.2	36
41	Efficient Posterior Probability Mapping Using Savage-Dickey Ratios. <i>PLoS ONE</i> , 2013, 8, e59655.	1.1	20
42	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> , 2013, 7, 186.	1.0	62
43	Early-onset Alzheimer disease clinical variants. <i>Neurology</i> , 2012, 79, 80-84.	1.5	77
44	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> , 2012, 83, 109-114.	0.9	14
45	Impairments of auditory scene analysis in Alzheimer's disease. <i>Brain</i> , 2012, 135, 190-200.	3.7	67
46	Classification of Alzheimer's disease patients with hippocampal shape, wrapper based feature selection and support vector machine. <i>Proceedings of SPIE</i> , 2012, , .	0.8	2
47	Global gray matter changes in posterior cortical atrophy: A serial imaging study. <i>Alzheimer's and Dementia</i> , 2012, 8, 502-512.	0.4	45
48	The role of polarity in antonym and synonym conceptual knowledge: Evidence from stroke aphasia and multidimensional ratings of abstract words. <i>Neuropsychologia</i> , 2012, 50, 2636-2644.	0.7	21
49	Parametric non-rigid registration using a stationary velocity field. , 2012, , .		25
50	Accent processing in dementia. <i>Neuropsychologia</i> , 2012, 50, 2233-2244.	0.7	31
51	On the semantic elements of abstract words. <i>Cortex</i> , 2012, 48, 1376-1378.	1.1	4
52	The problem of low variance voxels in statistical parametric mapping; a new hat avoids a "haircut". <i>NeuroImage</i> , 2012, 59, 2131-2141.	2.1	38
53	Apparent Fibre Density: A novel measure for the analysis of diffusion-weighted magnetic resonance images. <i>NeuroImage</i> , 2012, 59, 3976-3994.	2.1	491
54	Consistent multi-time-point brain atrophy estimation from the boundary shift integral. <i>NeuroImage</i> , 2012, 59, 3995-4005.	2.1	61

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55	Nonverbal sound processing in semantic dementia: A functional MRI study. <i>NeuroImage</i> , 2012, 61, 170-180.	2.1	29
56	Longitudinal neuroimaging and neuropsychological profiles of frontotemporal dementia with C9ORF72 expansions. <i>Alzheimer's Research and Therapy</i> , 2012, 4, 41.	3.0	89
57	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> , 2012, 7, e45996.	1.1	81
58	Symmetric diffeomorphic modeling of longitudinal structural MRI. <i>Frontiers in Neuroscience</i> , 2012, 6, 197.	1.4	256
59	Cross-sectional analysis using voxel or surface based cortical thickness methods: A comparison study. , 2011, , .		0
60	Brain MAPS: An automated, accurate and robust brain extraction technique using a template library. <i>NeuroImage</i> , 2011, 55, 1091-1108.	2.1	152
61	Comparing the similarity and spatial structure of neural representations: A pattern-component model. <i>NeuroImage</i> , 2011, 55, 1665-1678.	2.1	87
62	Algorithms, atrophy and Alzheimer's disease: Cautionary tales for clinical trials. <i>NeuroImage</i> , 2011, 57, 15-18.	2.1	69
63	LoAd: A locally adaptive cortical segmentation algorithm. <i>NeuroImage</i> , 2011, 56, 1386-1397.	2.1	81
64	A comparison of voxel and surface based cortical thickness estimation methods. <i>NeuroImage</i> , 2011, 57, 856-865.	2.1	163
65	Cortical thickness and voxel-based morphometry in posterior cortical atrophy and typical Alzheimer's disease. <i>Neurobiology of Aging</i> , 2011, 32, 1466-1476.	1.5	172
66	Targeted Regeneration of Bone in the Osteoporotic Human Femur. <i>PLoS ONE</i> , 2011, 6, e16190.	1.1	58
67	Basic Visual Function and Cortical Thickness Patterns in Posterior Cortical Atrophy. <i>Cerebral Cortex</i> , 2011, 21, 2122-2132.	1.6	69
68	Log-Euclidean free-form deformation. , 2011, , .		6
69	Voice processing in dementia: a neuropsychological and neuroanatomical analysis. <i>Brain</i> , 2011, 134, 2535-2547.	3.7	66
70	Automated brain extraction using Multi-Atlas Propagation and Segmentation (MAPS). , 2011, , .		3
71	Fast free-form deformation using graphics processing units. <i>Computer Methods and Programs in Biomedicine</i> , 2010, 98, 278-284.	2.6	841
72	Reduced Cortical Thickness in the Posterior Cingulate Gyrus is Characteristic of Both Typical and Atypical Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2010, 20, 587-598.	1.2	87

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73	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> , 2010, 81, 756-763.	0.9	105
74	Locally weighted Markov random fields for cortical segmentation. , 2010, , .		2
75	CLINICAL SYNDROMES ASSOCIATED WITH POSTERIOR ATROPHY: EARLY AGE AT ONSET AD SPECTRUM. <i>Neurology</i> , 2010, 75, 479-480.	1.5	1
76	Image similarity metrics in image registration. <i>Proceedings of SPIE</i> , 2010, , .	0.8	10
77	Diffeomorphic demons using normalized mutual information, evaluation on multimodal brain MR images. <i>Proceedings of SPIE</i> , 2010, , .	0.8	21
78	Pitfalls in the Use of Voxel-Based Morphometry as a Biomarker: Examples from Huntington Disease. <i>American Journal of Neuroradiology</i> , 2010, 31, 711-719.	1.2	94
79	Automated cross-sectional and longitudinal hippocampal volume measurement in mild cognitive impairment and Alzheimer's disease. <i>NeuroImage</i> , 2010, 51, 1345-1359.	2.1	224
80	Head size, age and gender adjustment in MRI studies: a necessary nuisance?. <i>NeuroImage</i> , 2010, 53, 1244-1255.	2.1	421
81	Progressive logopenic/phonological aphasia: Erosion of the language network. <i>NeuroImage</i> , 2010, 49, 984-993.	2.1	223
82	Distinct profiles of brain atrophy in frontotemporal lobar degeneration caused by progranulin and tau mutations. <i>NeuroImage</i> , 2010, 53, 1070-1076.	2.1	209
83	Nonrigid registration with differential bias correction using normalised mutual information. , 2010, , .		1
84	Nonlinear Elastic Spline Registration: Evaluation with Longitudinal Huntingtonâ€™s Disease Data. <i>Lecture Notes in Computer Science</i> , 2010, , 128-139.	1.0	1
85	Increasing Power to Predict Mild Cognitive Impairment Conversion to Alzheimerâ€™s Disease Using Hippocampal Atrophy Rate and Statistical Shape Models. <i>Lecture Notes in Computer Science</i> , 2010, 13, 125-132.	1.0	18
86	Patterns of Cortical Thickness according to APOE Genotype in Alzheimerâ€™s Disease. <i>Dementia and Geriatric Cognitive Disorders</i> , 2009, 28, 461-470.	0.7	38
87	Patterns of cortical thinning in the language variants of frontotemporal lobar degeneration. <i>Neurology</i> , 2009, 72, 1562-1569.	1.5	241
88	A parallel-friendly normalized mutual information gradient for free-form registration. <i>Proceedings of SPIE</i> , 2009, , .	0.8	8
89	Relationship between CAG repeat length and brain volume in premanifest and early Huntingtonâ€™s disease. <i>Journal of Neurology</i> , 2009, 256, 203-212.	1.8	50
90	Issues with threshold masking in voxel-based morphometry of atrophied brains. <i>NeuroImage</i> , 2009, 44, 99-111.	2.1	275

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91	Improved Maximum a Posteriori Cortical Segmentation by Iterative Relaxation of Priors. Lecture Notes in Computer Science, 2009, 12, 441-449.	1.0	7
92	Imaging cadavers: Cold FLAIR and noninvasive brain thermometry using CSF diffusion. Magnetic Resonance in Medicine, 2008, 59, 190-195.	1.9	46
93	Defective emotion recognition in early HD is neuropsychologically and anatomically generic. Neuropsychologia, 2008, 46, 2152-2160.	0.7	93
94	Ten simple rules for reporting voxel-based morphometry studies. NeuroImage, 2008, 40, 1429-1435.	2.1	221
95	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
96	Bayesian Image Modeling of cDNA Microarray Spots. IEEE Signal Processing Letters, 2007, 14, 653-656.	2.1	3
97	Accuracy Assessment of Global and Local Atrophy Measurement Techniques with Realistic Simulated Longitudinal Data. , 2007, 10, 785-792.		5
98	Phenomenological Model of Diffuse Global and Regional Atrophy Using Finite-Element Methods. IEEE Transactions on Medical Imaging, 2006, 25, 1417-1430.	5.4	32
99	Bayesian modelling of microarray images. , 2006, , .		2
100	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