Yong Fan

List of Publications by Year in descending order

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192 papers	10,073 citations	61687 45 h-index	49824 91 g-index
208 all docs	208 docs citations	208 times ranked	12713 citing authors

#	Article	IF	Citations
1	Artificial intelligence for prediction of COVID-19 progression using CT imaging and clinical data. European Radiology, 2022, 32, 205-212.	2.3	42
2	Multi-scale semi-supervised clustering of brain images: Deriving disease subtypes. Medical Image Analysis, 2022, 75, 102304.	7.0	28
3	Integration of Deep Learning Radiomics and Counts of Circulating Tumor Cells Improves Prediction of Outcomes of Early Stage NSCLC Patients Treated With Stereotactic Body Radiation Therapy. International Journal of Radiation Oncology Biology Physics, 2022, 112, 1045-1054.	0.4	11
4	Prevalence Estimates of Amyloid Abnormality Across the Alzheimer Disease Clinical Spectrum. JAMA Neurology, 2022, 79, 228.	4.5	97
5	An automated COVID-19 triage pipeline using artificial intelligence based on chest radiographs and clinical data. Npj Digital Medicine, 2022, 5, 5.	5.7	22
6	MDRegâ€Net: Multiâ€resolution diffeomorphic image registration using fully convolutional networks with deep selfâ€supervision. Human Brain Mapping, 2022, 43, 2218-2231.	1.9	11
7	Characterizing Heterogeneity in Neuroimaging, Cognition, Clinical Symptoms, and Genetics Among Patients With Late-Life Depression. JAMA Psychiatry, 2022, 79, 464.	6.0	47
8	Harmonization of multi-site functional connectivity measures in tangent space improves brain age prediction. , 2022, , .		2
9	Harmonizing functional connectivity reduces scanner effects in community detection. NeuroImage, 2022, 256, 119198.	2.1	19
10	Disentangling Alzheimerâ€™s disease neurodegeneration from typical brain ageing using machine learning. Brain Communications, 2022, 4, .	1.5	12
11	Dissociable multi-scale patterns of development in personalized brain networks. Nature Communications, 2022, 13, 2647.	5.8	27
12	Linking Individual Differences in Personalized Functional Network Topography to Psychopathology in Youth. Biological Psychiatry, 2022, 92, 973-983.	0.7	14
13	Effects of Chronic Pharmacological Treatment on Functional Brain Network Connectivity in Patients with Schizophrenia. Psychiatry Research, 2021, 295, 113338.	1.7	5
14	Left ventricular segmental strain and the prediction of cancer therapy-related cardiac dysfunction. European Heart Journal Cardiovascular Imaging, 2021, 22, 418-426.	0.5	13
15	Integration of Risk Survival Measures Estimated From Pre- and Posttreatment Computed Tomography Scans Improves Stratification of Patients With Early-Stage Non-small Cell Lung Cancer Treated With Stereotactic Body Radiation Therapy. International Journal of Radiation Oncology Biology Physics, 2021, 109, 1647-1656.	0.4	9
16	The Brain Chart of Aging: Machineâ€learning analytics reveals links between brain aging, white matter disease, amyloid burden, and cognition in the iSTAGING consortium of 10,216 harmonized MR scans. Alzheimer's and Dementia, 2021, 17, 89-102.	0.4	92
17	Combining transcranial magnetic stimulation with functional magnetic resonance imaging for probing and modulating neural circuits relevant to affective disorders. Wiley Interdisciplinary Reviews: Cognitive Science, 2021, 12, e1553.	1.4	22
18	Machine Learning-Based Prediction of COVID-19 Severity and Progression to Critical Illness Using CT Imaging and Clinical Data. Korean Journal of Radiology, 2021, 22, 1213.	1.5	20

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19	Characteristics of Multimodal Brain Connectomics in Patients With Schizophrenia and the Unaffected First-Degree Relatives. Frontiers in Cell and Developmental Biology, 2021, 9, 631864.	1.8	6
20	Prognostication of patients with COVID-19 using artificial intelligence based on chest x-rays and clinical data: a retrospective study. The Lancet Digital Health, 2021, 3, e286-e294.	5.9	87
21	ACEnet: Anatomical context-encoding network for neuroanatomy segmentation. Medical Image Analysis, 2021, 70, 101991.	7.0	21
22	A longitudinal observation of brain structure between AD and FTLD. Clinical Neurology and Neurosurgery, 2021, 205, 106604.	0.6	5
23	Adaptive convolutional neural networks for accelerating magnetic resonance imaging via k-space data interpolation. Medical Image Analysis, 2021, 72, 102098.	7.0	18
24	Multiblock Discriminant Analysis of Integrative 18F-FDG-PET/CT Radiomics for Predicting Circulating Tumor Cells in Early-Stage Non-small Cell Lung Cancer Treated With Stereotactic Body Radiation Therapy. International Journal of Radiation Oncology Biology Physics, 2021, 110, 1451-1465.	0.4	9
25	Fusing functional connectivity with network nodal information for sparse network pattern learning of functional brain networks. Information Fusion, 2021, 75, 131-139.	11.7	11
26	Changes in brain functional connectivity and cognition related to white matter lesion burden in hypertensive patients from SPRINT. Neuroradiology, 2021, 63, 913-924.	1.1	8
27	A deep learning framework identifies dimensional representations of Alzheimerâ€™s Disease from brain structure. Nature Communications, 2021, 12, 7065.	5.8	38
28	Altered large-scale functional brain networks in neurological Wilsonâ€™s disease. Brain Imaging and Behavior, 2020, 14, 1445-1455.	1.1	15
29	Automatic kidney segmentation in ultrasound images using subsequent boundary distance regression and pixelwise classification networks. Medical Image Analysis, 2020, 60, 101602.	7.0	72
30	Association between urinary symptom severity and white matter plaque distribution in women with multiple sclerosis. Neurourology and Urodynamics, 2020, 39, 339-346.	0.8	8
31	Neurostructural Heterogeneity in Youths With Internalizing Symptoms. Biological Psychiatry, 2020, 87, 473-482.	0.7	34
32	A Multidimensional Neural Maturation Index Reveals Reproducible Developmental Patterns in Children and Adolescents. Journal of Neuroscience, 2020, 40, 1265-1275.	1.7	33
33	Reversibility of cerebral blood flow in patients with Cushing's disease after surgery treatment. Metabolism: Clinical and Experimental, 2020, 104, 154050.	1.5	4
34	Harmonization of large MRI datasets for the analysis of brain imaging patterns throughout the lifespan. NeuroImage, 2020, 208, 116450.	2.1	260
35	Widespread Morphometric Abnormalities in Major Depression. Neuroimaging Clinics of North America, 2020, 30, 85-95.	0.5	4
36	Association between functional and structural connectivity of the corticostriatal network in people with schizophrenia and unaffected first-degree relatives. Journal of Psychiatry and Neuroscience, 2020, 45, 395-405.	1.4	9

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37	Quantification of Thoracic Lymphatic Flow Patterns Using Dynamic Contrast-enhanced MR Lymphangiography. Radiology, 2020, 296, 202-207.	3.6	13
38	Regularized-Ncut: Robust and homogeneous functional parcellation of neonate and adult brain networks. Artificial Intelligence in Medicine, 2020, 106, 101872.	3.8	6
39	Improving Diagnosis of Autism Spectrum Disorder and Disentangling its Heterogeneous Functional Connectivity Patterns Using Capsule Networks. , 2020, 2020, 1331-1334.		11
40	DeepSEED: 3D Squeeze-and-Excitation Encoder-Decoder Convolutional Neural Networks for Pulmonary Nodule Detection. , 2020, 2020, 1866-1869.		42
41	Computer-Aided Diagnosis of Congenital Abnormalities of the Kidney and Urinary Tract in Children Using a Multi-Instance Deep Learning Method Based on Ultrasound Imaging Data. , 2020, 2020, 1347-1350.		4
42	MRI signatures of brain age and disease over the lifespan based on a deep brain network and 14â€‰468 individuals worldwide. Brain, 2020, 143, 2312-2324.	3.7	183
43	Two distinct neuroanatomical subtypes of schizophrenia revealed using machine learning. Brain, 2020, 143, 1027-1038.	3.7	158
44	Individual Variation in Functional Topography of Association Networks in Youth. Neuron, 2020, 106, 340-353.e8.	3.8	162
45	Robust Collaborative Clustering of Subjects and Radiomic Features for Cancer Prognosis. IEEE Transactions on Biomedical Engineering, 2020, 67, 2735-2744.	2.5	10
46	Deep Learning to Distinguish Benign from Malignant Renal Lesions Based on Routine MR Imaging. Clinical Cancer Research, 2020, 26, 1944-1952.	3.2	86
47	Independent and reproducible hippocampal radiomic biomarkers for multisite Alzheimerâ€™s disease: diagnosis, longitudinal progress and biological basis. Science Bulletin, 2020, 65, 1103-1113.	4.3	70
48	The Cancer Imaging Phenomics Toolkit (CaPTk): Technical Overview. Lecture Notes in Computer Science, 2020, 11993, 380-394.	1.0	34
49	A 3D Convolutional Encapsulated Long Short-Term Memory (3DConv-LSTM) Model for Denoising fMRI Data. Lecture Notes in Computer Science, 2020, 12267, 479-488.	1.0	10
50	Altered large-scale functional brain networks in neurological Wilsonâ€™s disease. , 2020, 14, 1445.		1
51	Multi-instance Deep Learning of Ultrasound Imaging Data for Pattern Classification of Congenital Abnormalities of the Kidney and Urinary Tract in Children. Urology, 2020, 142, 183-189.	0.5	18
52	GnRH antagonist alters the migration of endometrial epithelial cells by reducing CKB. Reproduction, 2020, 159, 733-743.	1.1	11
53	Penalized logistic regression using functional connectivity as covariates with an application to mild cognitive impairment. Communications for Statistical Applications and Methods, 2020, 27, 603-624.	0.1	0
54	Technical Note: More accurate and efficient segmentation of organsâ€atâ€risk in radiotherapy with convolutional neural networks cascades. Medical Physics, 2019, 46, 286-292.	1.6	47

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55	Classifying and characterizing nicotine use disorder with high accuracy using machine learning and restingâ€state <scp>fMRI</scp>. Addiction Biology, 2019, 24, 811-821.	1.4	34
56	Radiomic features from MRI distinguish myxomas from myxofibrosarcomas. BMC Medical Imaging, 2019, 19, 67.	1.4	13
57	Early Prediction Of Alzheimerâ€™s Disease Dementia Based On Baseline Hippocampal MRI and 1-Year Follow-Up Cognitive Measures Using Deep Recurrent Neural Networks. , 2019, 2019, 368-371.		40
58	Collaborative Clustering Of Subjects And Radiomic Features For Predicting Clinical Outcomes Of Rectal Cancer Patients. , 2019, 2019, 1303-1306.		7
59	Interpretable, highly accurate brain decoding of subtly distinct brain states from functional MRI using intrinsic functional networks and long short-term memory recurrent neural networks. NeuroImage, 2019, 202, 116059.	2.1	37
60	O30. Multivariate Pattern Analysis Reveals Structural Brain Network Abnormalities in Schizophrenia. Biological Psychiatry, 2019, 85, S117-S118.	0.7	0
61	A Deep Learning Model for Predicting Xerostomia Due to Radiation Therapy for Head and Neck Squamous Cell Carcinoma in the RTOG 0522 Clinical Trial. International Journal of Radiation Oncology Biology Physics, 2019, 105, 440-447.	0.4	55
62	Fully-Automatic Segmentation Of Kidneys In Clinical Ultrasound Images Using A Boundary Distance Regression Network. , 2019, 2019, 1741-1744.		21
63	Deep Convolutional Neural Networks For Imaging Data Based Survival Analysis Of Rectal Cancer. , 2019, 2019, 846-849.		31
64	Addressing heterogeneity (and homogeneity) in treatment mechanisms in depression and the potential to develop diagnostic and predictive biomarkers. NeuroImage: Clinical, 2019, 24, 101997.	1.4	16
65	APOE Effect on Amyloid-Î² PET Spatial Distribution, Deposition Rate, and Cut-Points. Journal of Alzheimer's Disease, 2019, 69, 783-793.	1.2	15
66	Machine learning identifies unaffected firstâ€degree relatives with functional network patterns and cognitive impairment similar to those of schizophrenia patients. Human Brain Mapping, 2019, 40, 3930-3939.	1.9	22
67	A deep learning model for early prediction of Alzheimer's disease dementia based on hippocampal magnetic resonance imaging data. Alzheimer's and Dementia, 2019, 15, 1059-1070.	0.4	151
68	NCTN Assessment on Current Applications of Radiomics in Oncology. International Journal of Radiation Oncology Biology Physics, 2019, 104, 302-315.	0.4	44
69	Precision diagnostics based on machine learning-derived imaging signatures. Magnetic Resonance Imaging, 2019, 64, 49-61.	1.0	31
70	T195. Neuroanatomical Heterogeneity of Schizophrenia Quantified via Semi-Supervised Machine Learning Reveals Two Distinct Subtypes: Results From the PHENOM Consortium. Biological Psychiatry, 2019, 85, S205-S206.	0.7	1
71	Multi-atlas label fusion with random local binary pattern features: Application to hippocampus segmentation. Scientific Reports, 2019, 9, 16839.	1.6	14
72	A study of positioning orientation effect on segmentation accuracy using convolutional neural networks for rectal cancer. Journal of Applied Clinical Medical Physics, 2019, 20, 110-117.	0.8	11

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73	Computer-aided diagnosis of congenital abnormalities of the kidney and urinary tract in children based on ultrasound imaging data by integrating texture image features and deep transfer learning image features. Journal of Pediatric Urology, 2019, 15, 75.e1-75.e7.	0.6	57
74	Multi-instance Deep Learning with Graph Convolutional Neural Networks for Diagnosis of Kidney Diseases Using Ultrasound Imaging. Lecture Notes in Computer Science, 2019, 11840, 146-154.	1.0	20
75	Adaptive Sparsity Regularization Based Collaborative Clustering for Cancer Prognosis. Lecture Notes in Computer Science, 2019, 11767, 583-592.	1.0	3
76	3D Brain Tumor Segmentation Through Integrating Multiple 2D FCNNs. Lecture Notes in Computer Science, 2018, , 191-203.	1.0	10
77	Multisite Machine Learning Analysis Provides a Robust Structural Imaging Signature of Schizophrenia Detectable Across Diverse Patient Populations and Within Individuals. Schizophrenia Bulletin, 2018, 44, 1035-1044.	2.3	118
78	A Dynamic Graph Cuts Method with Integrated Multiple Feature Maps for Segmenting Kidneys in 2D Ultrasound Images. Academic Radiology, 2018, 25, 1136-1145.	1.3	32
79	RNASET2 impairs the sperm motility via PKA/PI3K/calcium signal pathways. Reproduction, 2018, 155, 383-392.	1.1	19
80	A deep learning model integrating FCNNs and CRFs for brain tumor segmentation. Medical Image Analysis, 2018, 43, 98-111.	7.0	568
81	Integrating Semi-supervised and Supervised Learning Methods for Label Fusion in Multi-Atlas Based Image Segmentation. Frontiers in Neuroinformatics, 2018, 12, 69.	1.3	18
82	O4â€04â€02: A DEEP LEARNING PROGNOSTIC MODELÂFOR EARLY PREDICTION OFÂALZHEIMER'S DISEASE BASED ONÂHIPPOCAMPAL MRI DATA. Alzheimer's and Dementia, 2018, 14, P1407.	0.4	4
83	Identification of Multi-scale Hierarchical Brain Functional Networks Using Deep Matrix Factorization. Lecture Notes in Computer Science, 2018, 11072, 223-231.	1.0	16
84	Identification of Temporal Transition of Functional States Using Recurrent Neural Networks from Functional MRI. Lecture Notes in Computer Science, 2018, 11072, 232-239.	1.0	11
85	Brain Decoding from Functional MRI Using Long Short-Term Memory Recurrent Neural Networks. Lecture Notes in Computer Science, 2018, 11072, 320-328.	1.0	31
86	Non-rigid image registration using self-supervised fully convolutional networks without training data. , 2018, 2018, 1075-1078.		116
87	Brain Network Alterations in Alzheimerâ€™s Disease Identified by Early-Phase PIB-PET. Contrast Media and Molecular Imaging, 2018, 2018, 1-10.	0.4	8
88	Classification of multi-site MR images in the presence of heterogeneity using multi-task learning. NeuroImage: Clinical, 2018, 19, 476-486.	1.4	25
89	Unsupervised machine learning of radiomic features for predicting treatment response and overall survival of early stage non-small cell lung cancer patients treated with stereotactic body radiation therapy. Radiotherapy and Oncology, 2018, 129, 218-226.	0.3	76
90	Individualized Functional Parcellation of the Human Amygdala Using a Semi-supervised Clustering Method: A 7T Resting State fMRI Study. Frontiers in Neuroscience, 2018, 12, 270.	1.4	10

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91	Transfer learning for diagnosis of congenital abnormalities of the kidney and urinary tract in children based on ultrasound imaging data. , 2018, 2018, 1487-1490.		22
92	Excitatory Repetitive Transcranial Magnetic Stimulation Induces Contralesional Cortico-Cerebellar Pathways After Acute Ischemic Stroke: A Preliminary DTI Study. Frontiers in Behavioral Neuroscience, 2018, 12, 160.	1.0	12
93	Cascaded atrous convolution and spatial pyramid pooling for more accurate tumor target segmentation for rectal cancer radiotherapy. Physics in Medicine and Biology, 2018, 63, 185016.	1.6	46
94	GABRA2 rs279858-linked variants are associated with disrupted structural connectome of reward circuits in heroin abusers. Translational Psychiatry, 2018, 8, 138.	2.4	14
95	Brain age prediction based on resting-state functional connectivity patterns using convolutional neural networks. , 2018, 2018, 101-104.		68
96	A Robust Reduced Rank Graph Regression Method for Neuroimaging Genetic Analysis. Neuroinformatics, 2018, 16, 351-361.	1.5	13
97	Integrating semi-supervised label propagation and random forests for multi-atlas based hippocampus segmentation. , 2018, 2018, 154-157.		10
98	Cancer imaging phenomics toolkit: quantitative imaging analytics for precision diagnostics and predictive modeling of clinical outcome. Journal of Medical Imaging, 2018, 5, 1.	0.8	110
99	Coupled dictionary learning for joint MR image restoration and segmentation. , 2018, , .		1
100	Feature extraction using convolutional neural networks for multi-atlas based image segmentation. , 2018, , .		6
101	Parameter-Free Centralized Multi-Task Learning for Characterizing Developmental Sex Differences in Resting State Functional Connectivity. Proceedings of the AAAI Conference on Artificial Intelligence, 2018, 2018, 2660-2667.	3.6	2
102	Pattern recognition of functional brain networks. , 2017, , .		0
103	MAOA rs1137070 and heroin addiction interactively alter gray matter volume of the salience network. Scientific Reports, 2017, 7, 45321.	1.6	10
104	Feature selection by optimizing a lower bound of conditional mutual information. Information Sciences, 2017, 418-419, 652-667.	4.0	60
105	Groupwise registration of MR brain images with tumors. Physics in Medicine and Biology, 2017, 62, 6853-6868.	1.6	9
106	Electroconvulsive therapy-induced brain functional connectivity predicts therapeutic efficacy in patients with schizophrenia: a multivariate pattern recognition study. NPJ Schizophrenia, 2017, 3, 21.	2.0	27
107	Metric Learning for Multi-atlas based Segmentation of Hippocampus. Neuroinformatics, 2017, 15, 41-50.	1.5	29
108	Large-scale sparse functional networks from resting state fMRI. NeuroImage, 2017, 156, 1-13.	2.1	54

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109	Brain Tumor Segmentation Using a Fully Convolutional Neural Network with Conditional Random Fields. Lecture Notes in Computer Science, 2016, , 75-87.	1.0	48
110	Identification of subject-specific brain functional networks using a collaborative sparse nonnegative matrix decomposition method. , 2016, , .		6
111	Impaired functional default mode network in patients with mild neurological Wilsonâ€™s disease. Parkinsonism and Related Disorders, 2016, 30, 46-51.	1.1	14
112	Cerebral Functional Reorganization in Ischemic Stroke after Repetitive Transcranial Magnetic Stimulation: An <scp>fMRI</scp> Study. CNS Neuroscience and Therapeutics, 2016, 22, 952-960.	1.9	29
113	Metric learning for label fusion in multi-atlas based image segmentation. , 2016, , .		3
114	Individualized brain parcellation with integrated funcitonal and morphological information. , 2016, , .		2
115	Groupwise Image Registration Guided by a Dynamic Digraph of Images. Neuroinformatics, 2016, 14, 131-145.	1.5	7
116	MicroRNA-31 functions as a tumor suppressor and increases sensitivity to mitomycin-C in urothelial bladder cancer by targeting integrin Î±5. Oncotarget, 2016, 7, 27445-27457.	0.8	44
117	Predicting Alzheimerâ€™s Disease Using Combined Imaging-Whole Genome SNP Data. Journal of Alzheimer's Disease, 2015, 46, 695-702.	1.2	20
118	Diet-Induced Obesity in Male C57BL/6 Mice Decreases Fertility as a Consequence of Disrupted Blood-Testis Barrier. PLoS ONE, 2015, 10, e0120775.	1.1	128
119	Random local binary pattern based label learning for multi-atlas segmentation. Proceedings of SPIE, 2015, , .	0.8	6
120	Combination of dynamic 11C-PIB PET and structural MRI improves diagnosis of Alzheimerâ€™s disease. Psychiatry Research - Neuroimaging, 2015, 233, 131-140.	0.9	12
121	Robust brain parcellation using sparse representation on resting-state fMRI. Brain Structure and Function, 2015, 220, 3565-3579.	1.2	27
122	Tumor border sharpness correlates with HLA-G expression in low-grade gliomas. Journal of Neuroimmunology, 2015, 282, 1-6.	1.1	24
123	Detection of Alzheimer's disease using group lasso SVM-based region selection. Proceedings of SPIE, 2015, , .	0.8	1
124	Semi-supervised clustering for parcellating brain regions based on resting state fMRI data. Proceedings of SPIE, 2014, , .	0.8	1
125	Local label learning (LLL) for subcortical structure segmentation: Application to hippocampus segmentation. Human Brain Mapping, 2014, 35, 2674-2697.	1.9	101
126	Hierarchical organization of the functional brain identified using floating aggregation of functional signals. , 2014, , .		3

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127	Comparison of dual-biomarker PIB-PET and dual-tracer PET in AD diagnosis. European Radiology, 2014, 24, 2800-2809.	2.3	25
128	Functional parcellation of the hippocampus by clustering resting state fMRI signals. , 2014, , .		6
129	Spatial alignment of human cortex by matching hierarchical patterns of functional connectivity. , 2014, , .		0
130	Optimizing affinity measures for parcellating brain structures based on resting state fMRI data: A validation on medial superior frontal cortex. Journal of Neuroscience Methods, 2014, 237, 90-102.	1.3	17
131	Groupwise Registration of Brain Images for Establishing Accurate Spatial Correspondence of Brain Structures. Lecture Notes in Computational Vision and Biomechanics, 2014, , 229-257.	0.5	1
132	Group information guided ICA for fMRI data analysis. NeuroImage, 2013, 69, 157-197.	2.1	307
133	Groupwise spatial normalization of fMRI data based on multi-range functional connectivity patterns. NeuroImage, 2013, 82, 355-372.	2.1	21
134	Retrospective cohort analysis of a single dose of aprotinin use in children undergoing cardiac surgery: a single-center experience. Paediatric Anaesthesia, 2013, 23, 242-249.	0.6	6
135	Image registration based on dynamic directed graphs with groupwise image similarity. , 2013, , .		4
136	Functional brain atlas construction for brain network analysis. , 2013, , .		3
137	Matching Functional Connectivity Patterns for Spatial Correspondence Detection in fMRI Registration. Lecture Notes in Computer Science, 2013, , 249-257.	1.0	0
138	fMRI alignment based on local functional connectivity patterns. , 2012, , .		3
139	Groupwise fMRI registration using multi-range functional connectivity patterns. , 2012, , .		2
140	Iterative multi-atlas based segmentation with multi-channel image registration and Jackknife Context Model. , 2012, , .		5
141	Local label learning (L3) for multi-atlas based segmentation. , 2012, , .		11
142	Intrinsic functional connectivity pattern based brain parcellation using normalized cut. Proceedings of SPIE, 2012, , .	0.8	5
143	Shape-constrained multi-atlas based segmentation with multichannel registration. , 2012, , .		6
144	Identification of subject specific and functional consistent ROIs using semi-supervised learning. Proceedings of SPIE, 2012, , .	0.8	5

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145	Label propagation with robust initialization for brain tumor segmentation. , 2012, , .		12
146	Activation detection in fNIRS by wavelet coherence. , 2012, , .		3
147	SUVmax/THKmax as a Biomarker for Distinguishing Advanced Gastric Carcinoma from Primary Gastric Lymphoma. PLoS ONE, 2012, 7, e50914.	1.1	16
148	Neuroimage Classification for Early Diagnosis of Alzheimerâ€™s Disease. Advances in Bioinformatics and Biomedical Engineering Book Series, 2012, , 336-350.	0.2	0
149	Sex differences in grey matter atrophy patterns among AD and aMCI patients: Results from ADNI. NeuroImage, 2011, 56, 890-906.	2.1	86
150	Discriminant analysis of functional connectivity patterns on Grassmann manifold. NeuroImage, 2011, 56, 2058-2067.	2.1	78
151	Brain anatomical networks in early human brain development. NeuroImage, 2011, 54, 1862-1871.	2.1	198
152	Segmentation of Brain Tumors in Multi-parametric MR Images via Robust Statistic Information Propagation. Lecture Notes in Computer Science, 2011, , 606-617.	1.0	4
153	CENTS: Cortical enhanced neonatal tissue segmentation. Human Brain Mapping, 2011, 32, 382-396.	1.9	40
154	Ordinal Ranking for Detecting Mild Cognitive Impairment and Alzheimerâ€™s Disease Based on Multimodal Neuroimages and CSF Biomarkers. Lecture Notes in Computer Science, 2011, , 44-51.	1.0	6
155	Development Trends of White Matter Connectivity in the First Years of Life. PLoS ONE, 2011, 6, e24678.	1.1	167
156	Joint estimation of multiple clinical variables of neurological diseases from imaging patterns. , 2010, , .		14
157	Neonatal brain MRI segmentation by building multi-region-multi-reference atlases. , 2010, 2010, 964-967.		0
158	Discriminant analysis of resting-state functional connectivity patterns on the Grassmann manifold. , 2010, , .		4
159	Construction of multi-region-multi-reference atlases for neonatal brain MRI segmentation. NeuroImage, 2010, 51, 684-693.	2.1	96
160	Neonatal brain image segmentation in longitudinal MRI studies. NeuroImage, 2010, 49, 391-400.	2.1	177
161	High-dimensional pattern regression using machine learning: From medical images to continuous clinical variables. NeuroImage, 2010, 50, 1519-1535.	2.1	154
162	Cortical enhanced tissue segmentation of neonatal brain MR images acquired by a dedicated phased array coil. , 2009, , .		2

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163	Longitudinal progression of Alzheimer's-like patterns of atrophy in normal older adults: the SPARE-AD index. Brain, 2009, 132, 2026-2035.	3.7	249
164	Brain tissue segmentation of neonatal MR images using a longitudinal subject-specific probabilistic atlas. Proceedings of SPIE, 2009, 7259, .	0.8	5
165	Integrated feature extraction and selection for neuroimage classification. , 2009, , .		6
166	Regularization of diffusion tensor field using coupled robust anisotropic diffusion filters. , 2009, , .		0
167	Baseline and longitudinal patterns of brain atrophy in MCI patients, and their use in prediction of short-term conversion to AD: Results from ADNIâ˜†. NeuroImage, 2009, 44, 1415-1422.	2.1	484
168	RABBIT: Rapid alignment of brains by building intermediate templates. NeuroImage, 2009, 47, 1277-1287.	2.1	74
169	STEP: Spatiotemporal enhancement pattern for MRâ€based breast tumor diagnosis. Medical Physics, 2009, 36, 3192-3204.	1.6	67
170	Regularization of diffusion tensor field using coupled robust anisotropic diffusion filters. , 2009, , .		0
171	Cortical enhanced tissue segmentation of neonatal brain MR images acquired by a dedicated phased array coil. , 2009, 2009, 39-45.		1
172	Unaffected Family Members and Schizophrenia Patients Share Brain Structure Patterns: A High-Dimensional Pattern Classification Study. Biological Psychiatry, 2008, 63, 118-124.	0.7	111
173	Detection of prodromal Alzheimer's disease via pattern classification of magnetic resonance imaging. Neurobiology of Aging, 2008, 29, 514-523.	1.5	343
174	Spatial patterns of brain atrophy in MCI patients, identified via high-dimensional pattern classification, predict subsequent cognitive decline. NeuroImage, 2008, 39, 1731-1743.	2.1	445
175	Structural and functional biomarkers of prodromal Alzheimer's disease: A high-dimensional pattern classification study. NeuroImage, 2008, 41, 277-285.	2.1	283
176	Feature selection and classification of multiparametric medical images using bagging and SVM. Proceedings of SPIE, 2008, , .	0.8	4
177	Gender difference in neural response to psychological stress. Social Cognitive and Affective Neuroscience, 2007, 2, 227-239.	1.5	316
178	Multivariate examination of brain abnormality using both structural and functional MRI. NeuroImage, 2007, 36, 1189-1199.	2.1	121
179	COMPARE: Classification of Morphological Patterns Using Adaptive Regional Elements. IEEE Transactions on Medical Imaging, 2007, 26, 93-105.	5.4	320
180	Diagnosis of Brain Abnormality Using both Structural and Functional MR Images. , 2006, Suppl, 6585-8.		5

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181	Diagnosis of Brain Abnormality Using both Structural and Functional MR Images. , 2006, 2006, 1044-7.		10
182	Diagnosis of Brain Abnormality Using both Structural and Functional MR Images. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006, , .	0.5	0
183	Whole-Brain Morphometric Study of Schizophrenia Revealing a Spatially Complex Set of Focal Abnormalities. Archives of General Psychiatry, 2005, 62, 1218.	13.8	242
184	Classifying spatial patterns of brain activity with machine learning methods: Application to lie detection. NeuroImage, 2005, 28, 663-668.	2.1	364
185	Classification of Structural Images via High-Dimensional Image Warping, Robust Feature Extraction, and SVM. Lecture Notes in Computer Science, 2005, 8, 1-8.	1.0	101
186	Consistent Estimation of Cardiac Motions by 4D Image Registration. Lecture Notes in Computer Science, 2005, 8, 902-910.	1.0	25
187	A modified Gabor filter design method for fingerprint image enhancement. Pattern Recognition Letters, 2003, 24, 1805-1817.	2.6	228
188	Volumetric segmentation of brain images using parallel genetic algorithms. IEEE Transactions on Medical Imaging, 2002, 21, 904-909.	5.4	69
189	Medical Image Registration Using Parallel Genetic Algorithms. Lecture Notes in Computer Science, 2002, , 304-314.	1.0	7
190	A Parallel Genetic Algorithm for Cell Image Segmentation. Electronic Notes in Theoretical Computer Science, 2001, 46, 214-224.	0.9	19
191	Parallel genetic algorithm for 3D medical image analysis. , 0, , .		1
192	Detecting Cognitive States from fMRI Images by Machine Learning and Multivariate Classification. , 0, , .		12