

Simon Keith Warfield

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6060992/publications.pdf>

Version: 2024-02-01

431
papers

24,597
citations

10956

71
h-index

9839

141
g-index

438
all docs

438
docs citations

438
times ranked

20796
citing authors

#	ARTICLE	IF	CITATIONS
1	Simultaneous Truth and Performance Level Estimation (STAPLE): An Algorithm for the Validation of Image Segmentation. IEEE Transactions on Medical Imaging, 2004, 23, 903-921.	5.4	1,604
2	Statistical validation of image segmentation quality based on a spatial overlap index. Academic Radiology, 2004, 11, 178-189.	1.3	1,363
3	Abnormal Cerebral Structure Is Present at Term in Premature Infants. Pediatrics, 2005, 115, 286-294.	1.0	775
4	Early Experience Alters Brain Function and Structure. Pediatrics, 2004, 113, 846-857.	1.0	735
5	Quantitative magnetic resonance imaging of brain development in premature and mature newborns. Annals of Neurology, 1998, 43, 224-235.	2.8	596
6	Improved Watershed Transform for Medical Image Segmentation Using Prior Information. IEEE Transactions on Medical Imaging, 2004, 23, 447-458.	5.4	594
7	Periventricular white matter injury in the premature infant is followed by reduced cerebral cortical gray matter volume at term. Annals of Neurology, 1999, 46, 755-760.	2.8	506
8	Automated Segmentation of MR Images of Brain Tumors. Radiology, 2001, 218, 586-591.	3.6	432
9	Primary cortical folding in the human newborn: an early marker of later functional development. Brain, 2008, 131, 2028-2041.	3.7	409
10	Early Alteration of Structural and Functional Brain Development in Premature Infants Born with Intrauterine Growth Restriction. Pediatric Research, 2004, 56, 132-138.	1.1	402
11	Serial Intraoperative Magnetic Resonance Imaging of Brain Shift. Neurosurgery, 2001, 48, 787-798.	0.6	367
12	Late Gestation Cerebellar Growth Is Rapid and Impeded by Premature Birth. Pediatrics, 2005, 115, 688-695.	1.0	353
13	Impaired Cerebral Cortical Gray Matter Growth After Treatment With Dexamethasone for Neonatal Chronic Lung Disease. Pediatrics, 2001, 107, 217-221.	1.0	351
14	Deep learning with noisy labels: Exploring techniques and remedies in medical image analysis. Medical Image Analysis, 2020, 65, 101759.	7.0	320
15	Realistic simulation of the 3-D growth of brain tumors in MR images coupling diffusion with biomechanical deformation. IEEE Transactions on Medical Imaging, 2005, 24, 1334-1346.	5.4	299
16	Standardized evaluation methodology and reference database for evaluating coronary artery centerline extraction algorithms. Medical Image Analysis, 2009, 13, 701-714.	7.0	295
17	Serial Intraoperative Magnetic Resonance Imaging of Brain Shift. Neurosurgery, 2001, 48, 787-798.	0.6	278
18	Robust Super-Resolution Volume Reconstruction From Slice Acquisitions: Application to Fetal Brain MRI. IEEE Transactions on Medical Imaging, 2010, 29, 1739-1758.	5.4	275

#	ARTICLE	IF	CITATIONS
19	Perinatal risk factors altering regional brain structure in the preterm infant. <i>Brain</i> , 2007, 130, 667-677.	3.7	274
20	Registration of 3-d intraoperative MR images of the brain using a finite-element biomechanical model. <i>IEEE Transactions on Medical Imaging</i> , 2001, 20, 1384-1397.	5.4	261
21	A normative spatiotemporal MRI atlas of the fetal brain for automatic segmentation and analysis of early brain growth. <i>Scientific Reports</i> , 2017, 7, 476.	1.6	217
22	Comparison of fiber tracts derived from in-vivo DTI tractography with 3D histological neural tract tracer reconstruction on a macaque brain. <i>NeuroImage</i> , 2007, 37, 530-538.	2.1	216
23	Longitudinal multiple sclerosis lesion segmentation: Resource and challenge. <i>NeuroImage</i> , 2017, 148, 77-102.	2.1	215
24	Robust nonrigid registration to capture brain shift from intraoperative MRI. <i>IEEE Transactions on Medical Imaging</i> , 2005, 24, 1417-1427.	5.4	214
25	Regional Magnetic Resonance Imaging Lesion Burden and Cognitive Function in Multiple Sclerosis. <i>Archives of Neurology</i> , 2001, 58, 115-21.	4.9	202
26	Evaluation of three-dimensional finite element-based deformable registration of pre- and intraoperative prostate imaging. <i>Medical Physics</i> , 2001, 28, 2551-2560.	1.6	201
27	Impaired Trophic Interactions Between the Cerebellum and the Cerebrum Among Preterm Infants. <i>Pediatrics</i> , 2005, 116, 844-850.	1.0	200
28	Patient-specific model of brain deformation: Application to medical image registration. <i>Journal of Biomechanics</i> , 2007, 40, 919-929.	0.9	189
29	Intrauterine Growth Restriction Affects the Preterm Infant's Hippocampus. <i>Pediatric Research</i> , 2008, 63, 438-443.	1.1	187
30	Automatic segmentation of newborn brain MRI. <i>NeuroImage</i> , 2009, 47, 564-572.	2.1	185
31	Serial registration of intraoperative MR images of the brain. <i>Medical Image Analysis</i> , 2002, 6, 337-359.	7.0	184
32	Non-rigid alignment of pre-operative MRI, fMRI, and DT-MRI with intra-operative MRI for enhanced visualization and navigation in image-guided neurosurgery. <i>NeuroImage</i> , 2007, 35, 609-624.	2.1	180
33	Objective Evaluation of Multiple Sclerosis Lesion Segmentation using a Data Management and Processing Infrastructure. <i>Scientific Reports</i> , 2018, 8, 13650.	1.6	171
34	Automatic Segmentation and Quantitative Analysis of the Articular Cartilages From Magnetic Resonance Images of the Knee. <i>IEEE Transactions on Medical Imaging</i> , 2010, 29, 55-64.	5.4	158
35	Brain functional networks in syndromic and non-syndromic autism: a graph theoretical study of EEG connectivity. <i>BMC Medicine</i> , 2013, 11, 54.	2.3	149
36	Automatic identification of gray matter structures from MRI to improve the segmentation of white matter lesions. <i>Journal of Image Guided Surgery</i> , 1995, 1, 326-338.	0.4	146

#	ARTICLE	IF	CITATIONS
37	EEG source analysis of epileptiform activity using a 1Âmm anisotropic hexahedra finite element head model. <i>NeuroImage</i> , 2009, 44, 399-410.	2.1	145
38	A collaborative resource to build consensus for automated left ventricular segmentation of cardiac MR images. <i>Medical Image Analysis</i> , 2014, 18, 50-62.	7.0	143
39	Neonate hippocampal volumes: Prematurity, perinatal predictors, and 2â€year outcome. <i>Annals of Neurology</i> , 2008, 63, 642-651.	2.8	142
40	Volumetric MRI Study of Brain in Children With Intrauterine Exposure to Cocaine, Alcohol, Tobacco, and Marijuana. <i>Pediatrics</i> , 2008, 121, 741-750.	1.0	140
41	Quantitative in vivo MRI measurement of cortical development in the fetus. <i>Brain Structure and Function</i> , 2012, 217, 127-139.	1.2	140
42	Regional Brain Development in Serial Magnetic Resonance Imaging of Low-Risk Preterm Infants. <i>Pediatrics</i> , 2006, 118, 23-33.	1.0	139
43	Morphological Characteristics of Brain Tumors Causing Seizures. <i>Archives of Neurology</i> , 2010, 67, 336-42.	4.9	139
44	An Automated Registration Algorithm for Measuring MRI Subcortical Brain Structures. <i>NeuroImage</i> , 1997, 6, 13-25.	2.1	134
45	Nonrigid registration of 3D tensor medical data. <i>Medical Image Analysis</i> , 2002, 6, 143-161.	7.0	131
46	Reduction in Cerebellar Volumes in Preterm Infants: Relationship to White Matter Injury and Neurodevelopment at Two Years of Age. <i>Pediatric Research</i> , 2006, 60, 97-102.	1.1	130
47	A unified framework for clustering and quantitative analysis of white matter fiber tracts. <i>Medical Image Analysis</i> , 2008, 12, 191-202.	7.0	122
48	Asymmetric Loss Functions and Deep Densely-Connected Networks for Highly-Imbalanced Medical Image Segmentation: Application to Multiple Sclerosis Lesion Detection. <i>IEEE Access</i> , 2019, 7, 1721-1735.	2.6	120
49	Quantitative analysis of MRI signal abnormalities of brain white matter with high reproducibility and accuracy. <i>Journal of Magnetic Resonance Imaging</i> , 2002, 15, 203-209.	1.9	118
50	Automated segmentation of multiple sclerosis lesion subtypes with multichannel MRI. <i>NeuroImage</i> , 2006, 32, 1205-1215.	2.1	115
51	Loss of White Matter Microstructural Integrity Is Associated with Adverse Neurological Outcome in Tuberous Sclerosis Complex. <i>Academic Radiology</i> , 2012, 19, 17-25.	1.3	111
52	Characterization of the corpus callosum in very preterm and full-term infants utilizing MRI. <i>NeuroImage</i> , 2011, 55, 479-490.	2.1	108
53	Super-resolution reconstruction to increase the spatial resolution of diffusion weighted images from orthogonal anisotropic acquisitions. <i>Medical Image Analysis</i> , 2012, 16, 1465-1476.	7.0	106
54	Fetal Neuropathology in Zika Virus-Infected Pregnant Female Rhesus Monkeys. <i>Cell</i> , 2018, 173, 1111-1122.e10.	13.5	104

#	ARTICLE	IF	CITATIONS
55	Regional white matter microstructure in very preterm infants: Predictors and 7 year outcomes. <i>Cortex</i> , 2014, 52, 60-74.	1.1	101
56	Corpus callosum alterations in very preterm infants: Perinatal correlates and 2year neurodevelopmental outcomes. <i>NeuroImage</i> , 2012, 59, 3571-3581.	2.1	98
57	Three validation metrics for automated probabilistic image segmentation of brain tumours. <i>Statistics in Medicine</i> , 2004, 23, 1259-1282.	0.8	96
58	Quantity and distribution of levator ani stretch during simulated vaginal childbirth. <i>American Journal of Obstetrics and Gynecology</i> , 2008, 199, 198.e1-198.e5.	0.7	96
59	Automatic segmentation of the bone and extraction of the bone-cartilage interface from magnetic resonance images of the knee. <i>Physics in Medicine and Biology</i> , 2007, 52, 1617-1631.	1.6	94
60	Near-infrared spectroscopy versus magnetic resonance imaging to study brain perfusion in newborns with hypoxic-ischemic encephalopathy treated with hypothermia. <i>NeuroImage</i> , 2014, 85, 287-293.	2.1	93
61	Reproducibility of Functional MR Imaging: Preliminary Results of Prospective Multi-institutional Study Performed by Biomedical Informatics Research Network. <i>Radiology</i> , 2005, 237, 781-789.	3.6	92
62	Real-time registration of volumetric brain MRI by biomechanical simulation of deformation during image guided neurosurgery. <i>Computing and Visualization in Science</i> , 2002, 5, 3-11.	1.2	91
63	Characterizing brain tissue by assessment of the distribution of anisotropic microstructural environments in diffusion-compartment imaging (DIAMOND). <i>Magnetic Resonance in Medicine</i> , 2016, 76, 963-977.	1.9	90
64	Presentation and Diagnosis of Tuberous Sclerosis Complex in Infants. <i>Pediatrics</i> , 2017, 140, .	1.0	90
65	Levator ani thickness variations in symptomatic and asymptomatic women using magnetic resonance-based 3-dimensional color mapping. <i>American Journal of Obstetrics and Gynecology</i> , 2004, 191, 856-861.	0.7	87
66	Quantitative follow-up of patients with multiple sclerosis using MRI: Reproducibility. <i>Journal of Magnetic Resonance Imaging</i> , 1999, 9, 509-518.	1.9	83
67	A Validation Framework for Brain Tumor Segmentation. <i>Academic Radiology</i> , 2007, 14, 1242-1251.	1.3	83
68	Fetal brain growth portrayed by a spatiotemporal diffusion tensor MRI atlas computed from in utero images. <i>NeuroImage</i> , 2019, 185, 593-608.	2.1	81
69	Fetal MRI: A technical update with educational aspirations. <i>Concepts in Magnetic Resonance Part A: Bridging Education and Research</i> , 2014, 43, 237-266.	0.2	78
70	Capturing intraoperative deformations: research experience at Brigham and Women's hospital. <i>Medical Image Analysis</i> , 2005, 9, 145-162.	7.0	75
71	A high performance computing approach to the registration of medical imaging data. <i>Parallel Computing</i> , 1998, 24, 1345-1368.	1.3	74
72	Diffusion Tensor Magnetic Resonance Imaging in Multiple Sclerosis. <i>Journal of Neuroimaging</i> , 2005, 15, 68S-81S.	1.0	74

#	ARTICLE	IF	CITATIONS
73	Patient-specific non-linear finite element modelling for predicting soft organ deformation in real-time; Application to non-rigid neuroimage registration. Progress in Biophysics and Molecular Biology, 2010, 103, 292-303.	1.4	74
74	Multi-atlas multi-shape segmentation of fetal brain MRI for volumetric and morphometric analysis of ventriculomegaly. NeuroImage, 2012, 60, 1819-1831.	2.1	74
75	A new neonatal cortical and subcortical brain atlas: the Melbourne Children's Regional Infant Brain (M-CRIB) atlas. NeuroImage, 2017, 147, 841-851.	2.1	74
76	Prefrontal cortical thickness in first-episode psychosis: a magnetic resonance imaging study. Biological Psychiatry, 2004, 55, 131-140.	0.7	73
77	Fast k-NN classification for multichannel image data. Pattern Recognition Letters, 1996, 17, 713-721.	2.6	72
78	Impaired Language Pathways in Tuberous Sclerosis Complex Patients with Autism Spectrum Disorders. Cerebral Cortex, 2013, 23, 1526-1532.	1.6	72
79	Accrual of MRI white matter abnormalities in elderly with normal and impaired mobility. Journal of the Neurological Sciences, 2005, 232, 23-27.	0.3	70
80	Transfer learning in medical image segmentation: New insights from analysis of the dynamics of model parameters and learned representations. Artificial Intelligence in Medicine, 2021, 116, 102078.	3.8	66
81	An MRI study of age-related white and gray matter volume changes in the rhesus monkey. Neurobiology of Aging, 2008, 29, 1563-1575.	1.5	65
82	Parametric Representation of Multiple White Matter Fascicles from Cube and Sphere Diffusion MRI. PLoS ONE, 2012, 7, e48232.	1.1	65
83	Estimating A Reference Standard Segmentation With Spatially Varying Performance Parameters: Local MAP STAPLE. IEEE Transactions on Medical Imaging, 2012, 31, 1593-1606.	5.4	64
84	Simultaneous Truth and Performance Level Estimation Through Fusion of Probabilistic Segmentations. IEEE Transactions on Medical Imaging, 2013, 32, 1840-1852.	5.4	64
85	Automated Atlas-Based Clustering of White Matter Fiber Tracts from DTMRI. Lecture Notes in Computer Science, 2005, 8, 188-195.	1.0	63
86	Fetal brain volumetry through MRI volumetric reconstruction and segmentation. International Journal of Computer Assisted Radiology and Surgery, 2011, 6, 329-339.	1.7	62
87	Reliable estimation of incoherent motion parametric maps from diffusion-weighted MRI using fusion bootstrap moves. Medical Image Analysis, 2013, 17, 325-336.	7.0	62
88	Heavy Prenatal Alcohol Exposure is Related to Smaller Corpus Callosum in Newborn <sc>MRI</sc> Scans. Alcoholism: Clinical and Experimental Research, 2017, 41, 965-975.	1.4	62
89	Three-Dimensional Optical Flow Method for Measurement of Volumetric Brain Deformation from Intraoperative MR Images. Journal of Computer Assisted Tomography, 2000, 24, 531-538.	0.5	60
90	Missing Slice Recovery for Tensors Using a Low-Rank Model in Embedded Space. , 2018, , .		60

#	ARTICLE	IF	CITATIONS
91	Diffusion Features of White Matter in Tuberous Sclerosis With Tractography. <i>Pediatric Neurology</i> , 2010, 42, 101-106.	1.0	59
92	Early versus late MRI in asphyxiated newborns treated with hypothermia. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2011, 96, F36-F44.	1.4	59
93	Brain Development of the Preterm Neonate After Neonatal Hydrocortisone Treatment for Chronic Lung Disease. <i>Pediatric Research</i> , 2009, 66, 555-559.	1.1	58
94	Validation of Image Segmentation and Expert Quality with an Expectation-Maximization Algorithm. <i>Lecture Notes in Computer Science</i> , 2002, , 298-306.	1.0	57
95	Hippocampal shape variations at term equivalent age in very preterm infants compared with term controls: Perinatal predictors and functional significance at age 7. <i>NeuroImage</i> , 2013, 70, 278-287.	2.1	57
96	3D Segmentation in the Clinic: A Grand Challenge II: MS lesion segmentation. , 2008, , .		56
97	Fetal Brain Volume Predicts Neurodevelopment in Congenital Heart Disease. <i>Circulation</i> , 2022, 145, 1108-1119.	1.6	56
98	MRâ€determined hippocampal asymmetry in fullâ€term and preterm neonates. <i>Hippocampus</i> , 2009, 19, 118-123. 0.9		55
99	A Model of Population and Subject (MOPS) Intensities With Application to Multiple Sclerosis Lesion Segmentation. <i>IEEE Transactions on Medical Imaging</i> , 2015, 34, 1349-1361.	5.4	55
100	Temporal slice registration and robust diffusion-tensor reconstruction for improved fetal brain structural connectivity analysis. <i>NeuroImage</i> , 2017, 156, 475-488.	2.1	54
101	Cross-scanner and cross-protocol multi-shell diffusion MRI data harmonization: Algorithms and results. <i>NeuroImage</i> , 2020, 221, 117128.	2.1	54
102	TUMOR DETECTION BY VIRTUAL CYSTOSCOPY WITH COLOR MAPPING OF BLADDER WALL THICKNESS. <i>Journal of Urology</i> , 2002, 167, 559-562.	0.2	53
103	A Logarithmic Opinion Pool Based STAPLE Algorithm for the Fusion of Segmentations With Associated Reliability Weights. <i>IEEE Transactions on Medical Imaging</i> , 2014, 33, 1997-2009.	5.4	52
104	White Matter Volume Predicts Language Development in Congenital Heart Disease. <i>Journal of Pediatrics</i> , 2017, 181, 42-48.e2.	0.9	52
105	Suite of meshless algorithms for accurate computation of soft tissue deformation for surgical simulation. <i>Medical Image Analysis</i> , 2019, 56, 152-171.	7.0	52
106	Quantitative MR Imaging Assessment of Prostate Gland Deformation before and During MR Imagingâ€“Guided Brachytherapy. <i>Academic Radiology</i> , 2002, 9, 906-912.	1.3	51
107	Guest Editorial Validation in Medical Image Processing. <i>IEEE Transactions on Medical Imaging</i> , 2006, 25, 1405-1409.	5.4	51
108	Real-time automatic fetal brain extraction in fetal MRI by deep learning. , 2018, , .		50

#	ARTICLE	IF	CITATIONS
109	Registration of 3D Intraoperative MR Images of the Brain Using a Finite Element Biomechanical Model. Lecture Notes in Computer Science, 2000, , 19-28.	1.0	49
110	Automated delineation of white matter fiber tracts with a multiple region-of-interest approach. NeuroImage, 2012, 59, 3690-3700.	2.1	49
111	Regional Brain Growth Trajectories in Fetuses with Congenital Heart Disease. Annals of Neurology, 2021, 89, 143-157.	2.8	49
112	Brain Shift Computation Using a Fully Nonlinear Biomechanical Model. Lecture Notes in Computer Science, 2005, 8, 583-590.	1.0	49
113	Validation of image segmentation by estimating rater bias and variance. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2008, 366, 2361-2375.	1.6	48
114	School-age effects of the newborn individualized developmental care and assessment program for preterm infants with intrauterine growth restriction: preliminary findings. BMC Pediatrics, 2013, 13, 25.	0.7	48
115	A fuzzy system for helping medical diagnosis of malformations of cortical development. Journal of Biomedical Informatics, 2007, 40, 221-235.	2.5	47
116	Segmentations of MRI images of the female pelvic floor: A study of inter- and intra-reader reliability. Journal of Magnetic Resonance Imaging, 2011, 33, 684-691.	1.9	47
117	Optimization of tractography of the optic radiations. Human Brain Mapping, 2014, 35, 683-697.	1.9	47
118	Virtual CT Cystoscopy. Investigative Radiology, 2000, 35, 331.	3.5	47
119	3D Image Matching Using a Finite Element Based Elastic Deformation Model. Lecture Notes in Computer Science, 1999, , 202-209.	1.0	46
120	Tumor detection in the bladder wall with a measurement of abnormal thickness in CT scans. IEEE Transactions on Biomedical Engineering, 2003, 50, 383-390.	2.5	46
121	Changes in neonatal regional brain volume associated with preterm birth and perinatal factors. NeuroImage, 2019, 185, 654-663.	2.1	45
122	Three-Dimensional Assessment of MRI-Guided Percutaneous Cryotherapy of Liver Metastases. American Journal of Roentgenology, 2004, 183, 707-712.	1.0	44
123	Reproducibility of Brain MRI Segmentation Algorithms: Empirical Comparison of Local MAP PSTAPLE, FreeSurfer, and FSLâ€FSL. Journal of Neuroimaging, 2018, 28, 162-172.	1.0	43
124	<i>In vivo</i> assessment of optimal <i>b₀</i> value range for perfusion-insensitive apparent diffusion coefficient imaging. Medical Physics, 2012, 39, 4832-4839.	1.6	42
125	Hippocampal Formation Maldevelopment and Sudden Unexpected Death across the Pediatric Age Spectrum. Journal of Neuropathology and Experimental Neurology, 2016, 75, 981-997.	0.9	42
126	Active delineation of Meyer's loop using oriented priors through MAGNETic tractography (MAGNET). Human Brain Mapping, 2017, 38, 509-527.	1.9	42

#	ARTICLE	IF	CITATIONS
127	Reduced Occipital Regional Volumes at Term Predict Impaired Visual Function in Early Childhood in Very Low Birth Weight Infants. , 2006, 47, 3366.		41
128	Presurgical language fMRI: Clinical practices and patient outcomes in epilepsy surgical planning. Human Brain Mapping, 2018, 39, 2777-2785.	1.9	41
129	An In Vivo MRI Study of Prefrontal Cortical Complexity in First-Episode Psychosis. American Journal of Psychiatry, 2005, 162, 65-70.	4.0	40
130	Characterization of fast and slow diffusion from diffusion-weighted MRI of pediatric Crohn's disease. Journal of Magnetic Resonance Imaging, 2013, 37, 156-163.	1.9	40
131	Diffusion tensor imaging and related techniques in tuberous sclerosis complex: review and future directions. Future Neurology, 2013, 8, 583-597.	0.9	40
132	Head motion measurement and correction using <scp>FID</scp> navigators. Magnetic Resonance in Medicine, 2019, 81, 258-274.	1.9	40
133	Early-Emerging Sulcal Patterns Are Atypical in Fetuses with Congenital Heart Disease. Cerebral Cortex, 2019, 29, 3605-3616.	1.6	40
134	Quantitative In vivo MRI Assessment of Structural Asymmetries and Sexual Dimorphism of Transient Fetal Compartments in the Human Brain. Cerebral Cortex, 2020, 30, 1752-1767.	1.6	40
135	Nonlinear Registration and Template-Driven Segmentation. , 1999, , 67-84.		39
136	Presurgical language fMRI: Technical practices in epilepsy surgical planning. Human Brain Mapping, 2018, 39, 4032-4042.	1.9	38
137	Towards microstructure fingerprinting: Estimation of tissue properties from a dictionary of Monte Carlo diffusion MRI simulations. NeuroImage, 2019, 184, 964-980.	2.1	38
138	Perfusion Imaging of Focal Cortical Dysplasia Using Arterial Spin Labeling. Journal of Child Neurology, 2013, 28, 1474-1482.	0.7	37
139	More accurate neuronavigation data provided by biomechanical modeling instead of rigid registration. Journal of Neurosurgery, 2014, 120, 1477-1483.	0.9	37
140	Increased electroencephalography connectivity precedes epileptic spasm onset in infants with tuberous sclerosis complex. Epilepsia, 2019, 60, 1721-1732.	2.6	37
141	Altered Structural Brain Networks in Tuberous Sclerosis Complex. Cerebral Cortex, 2016, 26, 2046-2058.	1.6	36
142	Pre- and Intra-operative Planning and Simulation of Percutaneous Tumor Ablation. Lecture Notes in Computer Science, 2000, , 317-326.	1.0	35
143	Evaluation of motion and its effect on brain magnetic resonance image quality in children. Pediatric Radiology, 2016, 46, 1728-1735.	1.1	35
144	An EM algorithm for shape classification based on level sets. Medical Image Analysis, 2005, 9, 491-502.	7.0	34

#	ARTICLE	IF	CITATIONS
145	Image-guided neurosurgery at Brigham and Women's Hospital. IEEE Engineering in Medicine and Biology Magazine, 2006, 25, 67-73.	1.1	34
146	Biomechanical Model as a Registration Tool for Image-Guided Neurosurgery: Evaluation Against BSpline Registration. Annals of Biomedical Engineering, 2013, 41, 2409-2425.	1.3	34
147	A New Sparse Representation Framework for Reconstruction of an Isotropic High Spatial Resolution MR Volume From Orthogonal Anisotropic Resolution Scans. IEEE Transactions on Medical Imaging, 2017, 36, 1182-1193.	5.4	34
148	A Mathematical Framework for the Registration and Analysis of Multi-Fascicle Models for Population Studies of the Brain Microstructure. IEEE Transactions on Medical Imaging, 2014, 33, 504-517.	5.4	33
149	Diffusion MRI microstructure models with in vivo human brain Connectome data: results from a multi-group comparison. NMR in Biomedicine, 2017, 30, e3734.	1.6	33
150	Construction of a Deformable Spatiotemporal MRI Atlas of the Fetal Brain: Evaluation of Similarity Metrics and Deformation Models. Lecture Notes in Computer Science, 2014, 17, 292-299.	1.0	32
151	Electrode localization for planning surgical resection of the epileptogenic zone in pediatric epilepsy. International Journal of Computer Assisted Radiology and Surgery, 2014, 9, 91-105.	1.7	32
152	Automatic renal segmentation in DCE-MRI using convolutional neural networks. , 2018, 2018, 1534-1537.		32
153	Reproducibility of Structural and Diffusion Tensor Imaging in the TACERN Multi-Center Study. Frontiers in Integrative Neuroscience, 2019, 13, 24.	1.0	32
154	Intelligent Labeling Based on Fisher Information for Medical Image Segmentation Using Deep Learning. IEEE Transactions on Medical Imaging, 2019, 38, 2642-2653.	5.4	32
155	Early white matter development is abnormal in tuberous sclerosis complex patients who develop autism spectrum disorder. Journal of Neurodevelopmental Disorders, 2019, 11, 36.	1.5	32
156	Incorporating Priors on Expert Performance Parameters for Segmentation Validation and Label Fusion: A Maximum a Posteriori STAPLE. Lecture Notes in Computer Science, 2010, 13, 25-32.	1.0	32
157	Incorporating Non-rigid Registration into Expectation Maximization Algorithm to Segment MR Images. Lecture Notes in Computer Science, 2002, 2488, 564-571.	1.0	31
158	A Continuous STAPLE for Scalar, Vector, and Tensor Images: An Application to DTI Analysis. IEEE Transactions on Medical Imaging, 2009, 28, 838-846.	5.4	31
159	Automated template-based brain localization and extraction for fetal brain MRI reconstruction. NeuroImage, 2017, 155, 460-472.	2.1	31
160	Probabilistic Clustering and Quantitative Analysis of White Matter Fiber Tracts. Lecture Notes in Computer Science, 2007, 20, 372-383.	1.0	31
161	TUMOR DETECTION BY VIRTUAL CYSTOSCOPY WITH COLOR MAPPING OF BLADDER WALL THICKNESS. Journal of Urology, 2002, 167, 559-562.	0.2	31
162	Displacement of brain regions in preterm infants with non-synostotic dolichocephaly investigated by MRI. NeuroImage, 2007, 36, 1074-1085.	2.1	30

#	ARTICLE	IF	CITATIONS
163	Magnetic Resonance Imaging of Pediatric Lung Parenchyma, Airways, Vasculature, Ventilation, and Perfusion. Radiologic Clinics of North America, 2013, 51, 555-582.	0.9	30
164	Passive fMRI mapping of language function for pediatric epilepsy surgical planning: Validation using Wada, ECS, and FMAER. Epilepsy Research, 2014, 108, 1874-1888.	0.8	30
165	Motion-Robust Diffusion-Weighted Brain MRI Reconstruction Through Slice-Level Registration-Based Motion Tracking. IEEE Transactions on Medical Imaging, 2016, 35, 2258-2269.	5.4	30
166	Statistical validation based on parametric receiver operating characteristic analysis of continuous classification data. Academic Radiology, 2003, 10, 1359-1368.	1.3	29
167	Efficient multi-modal dense field non-rigid registration: alignment of histological and section images. Medical Image Analysis, 2005, 9, 538-546.	7.0	29
168	Differential Rates of Perinatal Maturation of Human Primary and Nonprimary Auditory Cortex. ENeuro, 2018, 5, ENEURO.0380-17.2017.	0.9	29
169	Multimodality deformable registration of pre- and intraoperative images for MRI-guided brain surgery. Lecture Notes in Computer Science, 1998, , 1067-1074.	1.0	28
170	Toward Real-Time Image Guided Neurosurgery Using Distributed and Grid Computing. , 2006, , .		28
171	Real-Time Prediction of Brain Shift Using Nonlinear Finite Element Algorithms. Lecture Notes in Computer Science, 2009, 12, 300-307.	1.0	28
172	Can induced hypothermia be assured during brain MRI in neonates with hypoxic-ischemic encephalopathy?. Pediatric Radiology, 2010, 40, 1950-1954.	1.1	28
173	Estimation of Inferential Uncertainty in Assessing Expert Segmentation Performance From STAPLE. IEEE Transactions on Medical Imaging, 2010, 29, 771-780.	5.4	28
174	Tubers are neither static nor discrete. Neurology, 2015, 85, 1536-1545.	1.5	28
175	In vivo characterization of emerging white matter microstructure in the fetal brain in the third trimester. Human Brain Mapping, 2020, 41, 3177-3185.	1.9	28
176	Single Anisotropic 3-D MR Image Upsampling via Overcomplete Dictionary Trained From In-Plane High Resolution Slices. IEEE Journal of Biomedical and Health Informatics, 2016, 20, 1552-1561.	3.9	27
177	A structural brain network of genetic vulnerability to psychiatric illness. Molecular Psychiatry, 2021, 26, 2089-2100.	4.1	27
178	Using Frankenstein's Creature Paradigm to Build a Patient Specific Atlas. Lecture Notes in Computer Science, 2009, 12, 993-1000.	1.0	27
179	An image processing strategy for the quantification and visualization of exercise-induced muscle MRI signal enhancement. Journal of Magnetic Resonance Imaging, 2000, 11, 525-531.	1.9	26
180	Localization of the Epileptogenic Foci in Tuberous Sclerosis Complex: A Pediatric Case Report. Frontiers in Human Neuroscience, 2014, 8, 175.	1.0	26

#	ARTICLE	IF	CITATIONS
181	Block-Matching Distortion Correction of Echo-Planar Images With Opposite Phase Encoding Directions. <i>IEEE Transactions on Medical Imaging</i> , 2017, 36, 1106-1115.	5.4	26
182	Left Ventricular Segmentation Challenge from Cardiac MRI: A Collation Study. <i>Lecture Notes in Computer Science</i> , 2012, , 88-97.	1.0	26
183	A limited range of measures of 2-d ultrasound correlate with 3-d mri cerebral volumes in the premature infant at term. <i>Ultrasound in Medicine and Biology</i> , 2004, 30, 11-18.	0.7	25
184	A Magnetic Resonance Imaging Study of Cerebellar Volume in Tuberous Sclerosis Complex. <i>Pediatric Neurology</i> , 2013, 48, 105-110.	1.0	25
185	Corpus Callosum White Matter Diffusivity Reflects Cumulative Neurological Comorbidity in Tuberous Sclerosis Complex. <i>Cerebral Cortex</i> , 2018, 28, 3665-3672.	1.6	25
186	Has your patient's multiple sclerosis lesion burden or brain atrophy actually changed?. <i>Multiple Sclerosis Journal</i> , 2004, 10, 402-406.	1.4	24
187	New Insights in Perinatal Arterial Ischemic Stroke by Assessing Brain Perfusion. <i>Translational Stroke Research</i> , 2012, 3, 255-262.	2.3	24
188	White matter mean diffusivity correlates with myelination in tuberous sclerosis complex. <i>Annals of Clinical and Translational Neurology</i> , 2019, 6, 1178-1190.	1.7	24
189	Tuber Locations Associated with Infantile Spasms Map to a Common Brain Network. <i>Annals of Neurology</i> , 2021, 89, 726-739.	2.8	24
190	Diffusion Tensor and Functional MRI Fusion with Anatomical MRI for Image-Guided Neurosurgery. <i>Lecture Notes in Computer Science</i> , 2003, , 407-415.	1.0	24
191	Normal Growth, Sexual Dimorphism, and Lateral Asymmetries at Fetal Brain MRI. <i>Radiology</i> , 2022, 303, 162-170.	3.6	24
192	Multi-subject Registration for Unbiased Statistical Atlas Construction. <i>Lecture Notes in Computer Science</i> , 2004, , 655-662.	1.0	23
193	Super-resolution reconstruction in frequency, image, and wavelet domains to reduce through-plane partial voluming in MRI. <i>Medical Physics</i> , 2015, 42, 6919-6932.	1.6	23
194	Extensions to a manifold learning framework for time-series analysis on dynamic manifolds in bioelectric signals. <i>Physical Review E</i> , 2016, 93, 042218.	0.8	23
195	Investigating the maturation of microstructure and radial orientation in the preterm human cortex with diffusion MRI. <i>NeuroImage</i> , 2017, 162, 65-72.	2.1	23
196	Rapid measurement and correction of spatiotemporal B_0 field changes using FID navigators and a multi-channel reference image. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 575-589.	1.9	23
197	Pilot Study of Neurodevelopmental Impact of Early Epilepsy Surgery in Tuberous Sclerosis Complex. <i>Pediatric Neurology</i> , 2020, 109, 39-46.	1.0	23
198	Assessment of the impact of the removal of cerebrospinal fluid on cerebral tissue volumes by advanced volumetric 3D-MRI in posthaemorrhagic hydrocephalus in a premature infant. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2003, 74, 658-660.	0.9	22

#	ARTICLE	IF	CITATIONS
199	Normative biometrics for fetal ocular growth using volumetric MRI reconstruction. <i>Prenatal Diagnosis</i> , 2015, 35, 400-408.	1.1	22
200	Association of Isolated Congenital Heart Disease with Fetal Brain Maturation. <i>American Journal of Neuroradiology</i> , 2020, 41, 1525-1531.	1.2	22
201	Spatiotemporal Differences in the Regional Cortical Plate and Subplate Volume Growth during Fetal Development. <i>Cerebral Cortex</i> , 2020, 30, 4438-4453.	1.6	22
202	Deep learning-based parameter estimation in fetal diffusion-weighted MRI. <i>NeuroImage</i> , 2021, 243, 118482.	2.1	22
203	Evaluation of Brain MRI Alignment with the Robust Hausdorff Distance Measures. <i>Lecture Notes in Computer Science</i> , 2008, , 594-603.	1.0	22
204	A Binary Entropy Measure to Assess Nonrigid Registration Algorithms. <i>Lecture Notes in Computer Science</i> , 2001, , 266-274.	1.0	21
205	Anisotropic partial volume CSF modeling for EEG source localization. <i>NeuroImage</i> , 2012, 62, 2161-2170.	2.1	21
206	Cortical Graph Smoothing: A Novel Method for Exploiting DWI-Derived Anatomical Brain Connectivity to Improve EEG Source Estimation. <i>IEEE Transactions on Medical Imaging</i> , 2013, 32, 1952-1963.	5.4	21
207	Three-dimensional hip cartilage quality assessment of morphology and dGEMRIC by planar maps and automated segmentation. <i>Osteoarthritis and Cartilage</i> , 2014, 22, 1511-1515.	0.6	21
208	Spatially constrained incoherent motion method improves diffusion-weighted MRI signal decay analysis in the liver and spleen. <i>Medical Physics</i> , 2015, 42, 1895-1903.	1.6	21
209	Planar dGEMRIC Maps May Aid Imaging Assessment of Cartilage Damage in Femoroacetabular Impingement. <i>Clinical Orthopaedics and Related Research</i> , 2016, 474, 467-478.	0.7	21
210	Tuberous Sclerosis Complex Genotypes and Developmental Phenotype. <i>Pediatric Neurology</i> , 2019, 96, 58-63.	1.0	21
211	Longitudinal Effects of Everolimus on White Matter Diffusion in Tuberous Sclerosis Complex. <i>Pediatric Neurology</i> , 2019, 90, 24-30.	1.0	21
212	A Volumetric Optical Flow Method for Measurement of Brain Deformation from Intraoperative Magnetic Resonance Images. <i>Lecture Notes in Computer Science</i> , 1999, , 928-935.	1.0	21
213	Detection of DTI White Matter Abnormalities in Multiple Sclerosis Patients. <i>Lecture Notes in Computer Science</i> , 2008, 11, 975-982.	1.0	21
214	Fetal Placental Thrombosis and Neonatal Implications. <i>American Journal of Perinatology</i> , 2010, 27, 251-256.	0.6	20
215	Reduced thalamic volume in patients with Electrical Status Epilepticus in Sleep. <i>Epilepsy Research</i> , 2017, 130, 74-80.	0.8	20
216	Motion-robust parameter estimation in abdominal diffusion-weighted MRI by simultaneous image registration and model estimation. <i>Medical Image Analysis</i> , 2017, 39, 124-132.	7.0	20

#	ARTICLE	IF	CITATIONS
217	Biomechanical modeling and computer simulation of the brain during neurosurgery. International Journal for Numerical Methods in Biomedical Engineering, 2019, 35, e3250.	1.0	20
218	Curved planar reformatting and convolutional neural network-based segmentation of the small bowel for visualization and quantitative assessment of pediatric Crohn's disease from MRI. Journal of Magnetic Resonance Imaging, 2019, 49, 1565-1576.	1.9	20
219	Combining Classifiers Using Their Receiver Operating Characteristics and Maximum Likelihood Estimation. Lecture Notes in Computer Science, 2005, 8, 506-514.	1.0	20
220	Highly Accurate Segmentation of Brain Tissue and Subcortical Gray Matter from Newborn MRI. Lecture Notes in Computer Science, 2006, 9, 199-206.	1.0	20
221	Self-supervised IVIM DWI parameter estimation with a physics based forward model. Magnetic Resonance in Medicine, 2022, 87, 904-914.	1.9	20
222	Automatic Segmentation of Articular Cartilage in Magnetic Resonance Images of the Knee. , 2007, 10, 186-194.		19
223	Increased Brain Perfusion Persists over the First Month of Life in Term Asphyxiated Newborns Treated with Hypothermia: Does it Reflect Activated Angiogenesis?. Translational Stroke Research, 2015, 6, 224-233.	2.3	19
224	Active Deep Learning with Fisher Information for Patch-Wise Semantic Segmentation. Lecture Notes in Computer Science, 2018, 11045, 83-91.	1.0	19
225	Volumetric Analysis of the Basal Ganglia and Cerebellar Structures in Patients with Phelan-McDermid Syndrome. Pediatric Neurology, 2019, 90, 37-43.	1.0	19
226	Deformable Modeling for Characterizing Biomedical Shape Changes. Lecture Notes in Computer Science, 2000, , 235-248.	1.0	19
227	Learning Likelihoods for Labeling (L3): A General Multi-Classifer Segmentation Algorithm. Lecture Notes in Computer Science, 2011, 14, 322-329.	1.0	19
228	Intraoperative Segmentation and Nonrigid Registration for Image Guided Therapy. Lecture Notes in Computer Science, 2000, , 176-185.	1.0	18
229	Fast myelin water fraction estimation using 2D multislice CPMG . Magnetic Resonance in Medicine, 2016, 76, 1301-1313.	1.9	18
230	Assessing the validity of the approximation of diffusion-weighted MRI signals from crossing fascicles by sums of signals from single fascicles. Magnetic Resonance in Medicine, 2018, 79, 2332-2345.	1.9	18
231	Retrospective correction of head motion using measurements from an electromagnetic tracker. Magnetic Resonance in Medicine, 2020, 83, 427-437.	1.9	18
232	COMPENSATION OF GEOMETRIC DISTORTION EFFECTS ON INTRAOPERATIVE MAGNETIC RESONANCE IMAGING FOR ENHANCED VISUALIZATION IN IMAGE-GUIDED NEUROSURGERY. Operative Neurosurgery, 2008, 62, 209-216.	0.4	17
233	Enhanced FEM-based modeling of brain shift deformation in Image-Guided Neurosurgery. Journal of Computational and Applied Mathematics, 2010, 234, 2046-2053.	1.1	17
234	Optimizing Hippocampal Segmentation in Infants Utilizing MRI Post-Acquisition Processing. Neuroinformatics, 2012, 10, 173-180.	1.5	17

#	ARTICLE	IF	CITATIONS
235	Spatially-constrained probability distribution model of incoherent motion (SPIM) for abdominal diffusion-weighted MRI. <i>Medical Image Analysis</i> , 2016, 32, 173-183.	7.0	17
236	Both 3-T dGEMRIC and Acetabular-Femoral T2 Difference May Detect Cartilage Damage at the Chondrolabral Junction. <i>Clinical Orthopaedics and Related Research</i> , 2017, 475, 1058-1065.	0.7	17
237	Learning to estimate the fiber orientation distribution function from diffusion-weighted MRI. <i>NeuroImage</i> , 2021, 239, 118316.	2.1	17
238	Characterizing the Distribution of Anisotropic Micro-structural Environments with Diffusion-Weighted Imaging (DIAMOND). <i>Lecture Notes in Computer Science</i> , 2013, 16, 518-526.	1.0	17
239	Adaptive template moderated spatially varying statistical classification. <i>Lecture Notes in Computer Science</i> , 1998, , 431-438.	1.0	16
240	Estimation of the deformations induced by articulated bodies: Registration of the spinal column. <i>Biomedical Signal Processing and Control</i> , 2007, 2, 16-24.	3.5	16
241	The anatomy and art of writing a successful grant application: a practical step-by-step approach. <i>Pediatric Radiology</i> , 2014, 44, 1512-1517.	1.1	16
242	Dynamic distortion correction for functional MRI using FID navigators. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 1294-1307.	1.9	16
243	Maximum A Posteriori Estimation of Isotropic High-Resolution Volumetric MRI from Orthogonal Thick-Slice Scans. <i>Lecture Notes in Computer Science</i> , 2010, 13, 109-116.	1.0	16
244	Why multiple b-values are required for multi-tensor models. evaluation with a constrained log-euclidean model. , 2010, , .		15
245	3D XFEM-based modeling of retraction for preoperative image update. <i>Computer Aided Surgery</i> , 2011, 16, 121-134.	1.8	15
246	Improved fidelity of brain microstructure mapping from single-shell diffusion MRI. <i>Medical Image Analysis</i> , 2015, 26, 268-286.	7.0	15
247	3D Super-Resolution Motion-Corrected MRI: Validation of Fetal Posterior Fossa Measurements. <i>Journal of Neuroimaging</i> , 2016, 26, 539-544.	1.0	15
248	Perioperatively Inhaled Hydrogen Gas Diminishes Neurologic Injury Following Experimental Circulatory Arrest in Swine. <i>JACC Basic To Translational Science</i> , 2019, 4, 176-187.	1.9	15
249	Quantitative follow-up of patients with multiple sclerosis using MRI: Reproducibility. , 1999, 9, 509.		15
250	Super-Resolution in Diffusion-Weighted Imaging. <i>Lecture Notes in Computer Science</i> , 2011, 14, 124-132.	1.0	15
251	Scan-Specific Generative Neural Network for MRI Super-Resolution Reconstruction. <i>IEEE Transactions on Medical Imaging</i> , 2022, 41, 1383-1399.	5.4	15
252	Modelling Surgical Cuts, Retractions, and Resections via Extended Finite Element Method. <i>Lecture Notes in Computer Science</i> , 2004, , 311-318.	1.0	14

#	ARTICLE	IF	CITATIONS
253	Imaging and visual analysis--Toward real-time image guided neurosurgery using distributed and grid computing. , 2006, , .		14
254	On the accuracy of unwarping techniques for the correction of susceptibility-induced geometric distortion in magnetic resonance Echo-planar images. , 2011, 2011, 6997-7000.		14
255	Fetal lung apparent diffusion coefficient measurement using diffusion-weighted MRI at 3 Tesla: Correlation with gestational age. Journal of Magnetic Resonance Imaging, 2016, 44, 1650-1655.	1.9	14
256	Feed and wrap magnetic resonance urography provides anatomic and functional imaging in infants without anesthesia. Journal of Pediatric Urology, 2020, 16, 116-120.	0.6	14
257	Spatiotemporal changes in diffusivity and anisotropy in fetal brain tractography. Human Brain Mapping, 2021, 42, 5771-5784.	1.9	14
258	3D Histological Reconstruction of Fiber Tracts and Direct Comparison with Diffusion Tensor MRI Tractography. Lecture Notes in Computer Science, 2006, 9, 109-116.	1.0	14
259	Reliable Selection of the Number of Fascicles in Diffusion Images by Estimation of the Generalization Error. Lecture Notes in Computer Science, 2013, 23, 742-753.	1.0	14
260	School age effects of the Newborn Individualized Developmental Care and Assessment Program for medically low-risk preterm infants: Preliminary findings. Journal of Clinical Neonatology, 2012, 1, 184.	0.1	14
261	Spectral Clustering Algorithms for Ultrasound Image Segmentation. Lecture Notes in Computer Science, 2005, 8, 862-869.	1.0	14
262	Labeling the Brain Surface Using a Deformable Multiresolution Mesh. Lecture Notes in Computer Science, 2002, , 451-458.	1.0	13
263	In Silico Tumor Growth: Application to Glioblastomas. Lecture Notes in Computer Science, 2004, , 337-345.	1.0	13
264	2D XFEM-based modeling of retraction and successive resections for preoperative image update. Computer Aided Surgery, 2009, 14, 1-20.	1.8	13
265	Motion-robust MRI through real-time motion tracking and retrospective super-resolution volume reconstruction. , 2011, 2011, 5722-5.		13
266	Serial FEM/XFEM-Based Update of Preoperative Brain Images Using Intraoperative MRI. International Journal of Biomedical Imaging, 2012, 2012, 1-17.	3.0	13
267	Brain Perfusion Is Increased at Term in the White Matter of Very Preterm Newborns and Newborns with Congenital Heart Disease: Does this Reflect Activated Angiogenesis?. Neuropediatrics, 2015, 46, 344-351.	0.3	13
268	Fast and High-Resolution Neonatal Brain MRI Through Super-Resolution Reconstruction From Acquisitions With Variable Slice Selection Direction. Frontiers in Neuroscience, 2021, 15, 636268.	1.4	13
269	Learning a Gradient Guidance for Spatially Isotropic MRI Super-Resolution Reconstruction. Lecture Notes in Computer Science, 2020, 12262, 136-146.	1.0	13
270	On Extended Finite Element Method (XFEM) for Modelling of Organ Deformations Associated with Surgical Cuts. Lecture Notes in Computer Science, 2004, , 134-143.	1.0	12

#	ARTICLE	IF	CITATIONS
271	Muti-shell Diffusion MRI Harmonisation and Enhancement Challenge (MUSHAC): Progress and Results. <i>Mathematics and Visualization</i> , 2019, , 217-224.	0.4	12
272	Magnetic Resonance Imaging (MRI) and Spectroscopy in Succinic Semialdehyde Dehydrogenase Deficiency. <i>Journal of Child Neurology</i> , 2021, 36, 1162-1168.	0.7	12
273	Validation of Image Segmentation by Estimating Rater Bias and Variance. <i>Lecture Notes in Computer Science</i> , 2006, 9, 839-847.	1.0	12
274	Improved Non-rigid Registration of Prostate MRI. <i>Lecture Notes in Computer Science</i> , 2004, , 845-852.	1.0	12
275	Registration and Analysis of White Matter Group Differences with a Multi-fiber Model. <i>Lecture Notes in Computer Science</i> , 2012, 15, 313-320.	1.0	12
276	Demons registration with local affine adaptive regularization: application to registration of abdominal structures. , 2011, , .		11
277	Bulk motion-compensated DCE-MRI for functional imaging of kidneys in newborns. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 52, 207-216.	1.9	11
278	The Connectivity Fingerprint of the Fusiform Gyrus Captures the Risk of Developing Autism in Infants with Tuberous Sclerosis Complex. <i>Cerebral Cortex</i> , 2020, 30, 2199-2214.	1.6	11
279	Association between Quantitative MR Markers of Cortical Evolving Organization and Gene Expression during Human Prenatal Brain Development. <i>Cerebral Cortex</i> , 2021, 31, 3610-3621.	1.6	11
280	3D Statistical Shape Models to Embed Spatial Relationship Information. <i>Lecture Notes in Computer Science</i> , 2005, , 51-60.	1.0	11
281	Isotropic MRI Super-Resolution Reconstruction with Multi-scale Gradient Field Prior. <i>Lecture Notes in Computer Science</i> , 2019, 11766, 3-11.	1.0	11
282	Landmark-Guided Surface Matching and Volumetric Warping for Improved Prostate Biopsy Targeting and Guidance. <i>Lecture Notes in Computer Science</i> , 2004, , 853-861.	1.0	11
283	Associations of body composition with regional brain volumes and white matter microstructure in very preterm infants. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2022, 107, 533-538.	1.4	11
284	Combined delay and graph embedding of epileptic discharges in EEG reveals complex and recurrent nonlinear dynamics. , 2015, 2015, 347-350.		10
285	A template-to-slice block matching approach for automatic localization of brain in fetal MRI. , 2015, , .		10
286	Extra-axonal restricted diffusion as an in-vivo marker of reactive microglia. <i>Scientific Reports</i> , 2019, 9, 13874.	1.6	10
287	Prospective pediatric study comparing glomerular filtration rate estimates based on motion-robust dynamic contrast-enhanced magnetic resonance imaging and serum creatinine (eGFR) to 99mTc DTPA. <i>Pediatric Radiology</i> , 2020, 50, 698-705.	1.1	10
288	A machine learning-based method for estimating the number and orientations of major fascicles in diffusion-weighted magnetic resonance imaging. <i>Medical Image Analysis</i> , 2021, 72, 102129.	7.0	10

#	ARTICLE	IF	CITATIONS
289	Reliable Assessment of Perfusivity and Diffusivity from Diffusion Imaging of the Body. Lecture Notes in Computer Science, 2012, 15, 1-9.	1.0	10
290	An Efficient Algorithm for Multiple Sclerosis Lesion Segmentation from Brain MRI. Lecture Notes in Computer Science, 2003, , 542-551.	1.0	9
291	Three-dimensional assessment of MR imaging-guided percutaneous cryotherapy using multi-performer repeated segmentations. Academic Radiology, 2005, 12, 444-450.	1.3	9
292	Integration of patient specific modeling and advanced image processing techniques for image-guided neurosurgery. , 2006, , .		9
293	Accelerating Image Registration With the Johnsonâ€Lindenstrauss Lemma: Application to Imaging 3-D Neural Ultrastructure With Electron Microscopy. IEEE Transactions on Medical Imaging, 2011, 30, 1427-1438.	5.4	9
294	Cerebellar volume as an imaging marker of development in infants with tuberous sclerosis complex. Neurology, 2018, 90, e1493-e1500.	1.5	9
295	Impacting development in infants with tuberous sclerosis complex: Multidisciplinary research collaboration.. American Psychologist, 2019, 74, 356-367.	3.8	9
296	A registration method for improving quantitative assessment in probabilistic diffusion tractography. NeuroImage, 2019, 189, 288-306.	2.1	9
297	Simultaneous Motion and Distortion Correction Using Dualâ€Echo Diffusionâ€Weighted MRI. Journal of Neuroimaging, 2020, 30, 276-285.	1.0	9
298	Diffusion Tensor Imaging Abnormalities in the Uncinate Fasciculus and Inferior Longitudinal Fasciculus in Phelan-McDermid Syndrome. Pediatric Neurology, 2020, 106, 24-31.	1.0	9
299	Magic DIAMOND: Multi-fascicle diffusion compartment imaging with tensor distribution modeling and tensor-valued diffusion encoding. Medical Image Analysis, 2021, 70, 101988.	7.0	9
300	T2-Relaxometry for Myelin Water Fraction Extraction Using Wald Distribution and Extended Phase Graph. Lecture Notes in Computer Science, 2014, 17, 145-152.	1.0	9
301	Estimation of a Multi-fascicle Model from Single B-Value Data with a Population-Informed Prior. Lecture Notes in Computer Science, 2013, 16, 695-702.	1.0	9
302	Abnormal development of transient fetal zones in mild isolated fetal ventriculomegaly. Cerebral Cortex, 2023, 33, 1130-1139.	1.6	9
303	Non-rigid registration of a 3D ultrasound and a MR image data set of the female pelvic floor using a biomechanical model. BioMedical Engineering OnLine, 2005, 4, 19.	1.3	8
304	Racial differences in pelvic floor muscle thickness in asymptomatic nulliparas as seen on magnetic resonance imagingâ€based three-dimensional color thickness mapping. American Journal of Obstetrics and Gynecology, 2007, 197, 625.e1-625.e4.	0.7	8
305	A new classifier feature space for an improved Multiple Sclerosis lesion segmentation. , 2011, , .		8
306	Motion-Robust Reconstruction Based on Simultaneous Multi-slice Registration for Diffusion-Weighted MRI of Moving Subjects. Lecture Notes in Computer Science, 2016, 9902, 544-552.	1.0	8

#	ARTICLE	IF	CITATIONS
307	Deep Plug-and-Play Prior for Parallel MRI Reconstruction. , 2019, , .		8
308	Fetal Echoplanar Imaging. Topics in Magnetic Resonance Imaging, 2019, 28, 245-254.	0.7	8
309	Super-resolution reconstruction of T2-weighted thick-slice neonatal brain MRI scans. Journal of Neuroimaging, 2022, 32, 68-79.	1.0	8
310	Coupling Statistical Segmentation and PCA Shape Modeling. Lecture Notes in Computer Science, 2004, 3216, 151-159.	1.0	8
311	Laboratory Investigation:Automatic Identification of Gray Matter Structures from MRI to Improve the Segmentation of White Matter Lesions. Computer Aided Surgery, 1995, 1, 326-338.	1.8	7
312	Toward an accurate multi-fiber assessment strategy for clinical practice. , 2011, , .		7
313	Evaluation of numerical techniques for solving the current injection problem in biological tissues. , 2016, 2016, 876-880.		7
314	Motion-robust diffusion compartment imaging using simultaneous multi-slice acquisition. Magnetic Resonance in Medicine, 2019, 81, 3314-3329.	1.9	7
315	Modeling dynamic radial contrast enhanced MRI with linear time invariant systems for motion correction in quantitative assessment of kidney function. Medical Image Analysis, 2021, 67, 101880.	7.0	7
316	Free-breathing radial stack-of-stars three-dimensional Dixon gradient echo sequence in abdominal magnetic resonance imaging in sedated pediatric patients. Pediatric Radiology, 2021, 51, 1645-1653.	1.1	7
317	Objective Evaluation of Accuracy of Intra-Operative Neuroimage Registration. , 2013, , 87-99.		7
318	Accelerated High Spatial Resolution Diffusion-Weighted Imaging. Lecture Notes in Computer Science, 2015, 24, 69-81.	1.0	7
319	Spatially Adaptive Log-Euclidean Polyaffine Registration Based on Sparse Matches. Lecture Notes in Computer Science, 2011, 14, 590-597.	1.0	7
320	Advanced Nonrigid Registration Algorithms for Image Fusion. , 2002, , 661-690.		6
321	A rhesus monkey reference label atlas for template driven segmentation. Journal of Medical Primatology, 2008, 37, 250-260.	0.3	6
322	Interpolating multi-fiber models by Gaussian mixture simplification. , 2012, , .		6
323	Voxel-Based Dipole Orientation Constraints for Distributed Current Estimation. IEEE Transactions on Biomedical Engineering, 2014, 61, 2028-2040.	2.5	6
324	Resting-State fMRI Networks in Children with Tuberous Sclerosis Complex. Journal of Neuroimaging, 2019, 29, 750-759.	1.0	6

#	ARTICLE	IF	CITATIONS
325	SLIMM: Slice localization integrated MRI monitoring. NeuroImage, 2020, 223, 117280.	2.1	6
326	Fractional Segmentation of White Matter. Lecture Notes in Computer Science, 1999, , 62-71.	1.0	6
327	Surface Based Atlas Matching of the Brain Using Deformable Surfaces and Volumetric Finite Elements. Lecture Notes in Computer Science, 2001, , 1352-1353.	1.0	6
328	Statistical Validation of Automated Probabilistic Segmentation against Composite Latent Expert Ground Truth in MR Imaging of Brain Tumors. Lecture Notes in Computer Science, 2002, , 315-322.	1.0	6
329	Semi-automated Extraction of Crohns Disease MR Imaging Markers Using a 3D Residual CNN with Distance Prior. Lecture Notes in Computer Science, 2018, 11045, 218-226.	1.0	6
330	Automatic Optimization of Segmentation Algorithms Through Simultaneous Truth and Performance Level Estimation (STAPLE). Lecture Notes in Computer Science, 2004, , 274-282.	1.0	6
331	An Anisotropic Material Model for Image Guided Neurosurgery. Lecture Notes in Computer Science, 2004, , 267-275.	1.0	6
332	Retrospective Distortion and Motion Correction for Freeâ€Breathing DWâ€MRI of the Kidneys Using Dualâ€Echo EPI and Sliceâ€toâ€Volume Registration. Journal of Magnetic Resonance Imaging, 2021, 53, 1432-1443.	1.9	6
333	Parent-reported measure of repetitive behavior in Phelan-McDermid syndrome. Journal of Neurodevelopmental Disorders, 2021, 13, 53.	1.5	6
334	Tetrahedral mesh generation for medical imaging. The Insight Journal, 2005, , .	0.2	6
335	Associations of Macronutrient Intake Determined by Point-of-Care Human Milk Analysis with Brain Development among very Preterm Infants. Children, 2022, 9, 969.	0.6	6
336	Novel image processing techniques to better understand white matter disruption in multiple sclerosis. Autoimmunity Reviews, 2006, 5, 544-548.	2.5	5
337	Alignment of Large Image Series Using Cubic B-Splines Tessellation: Application to Transmission Electron Microscopy Data. , 2007, 10, 710-717.		5
338	Improved registration for large electron microscopy images. , 2009, , .		5
339	A generalized correlation coefficient: Application to DTI and multi-fiber DTI. , 2012, , .		5
340	Super-resolution reconstruction of diffusion-weighted images from distortion compensated orthogonal anisotropic acquisitions. , 2012, 2012, 249-254.		5
341	Motion Compensated Abdominal Diffusion Weighted MRI by Simultaneous Image Registration and Model Estimation (SIR-ME). Lecture Notes in Computer Science, 2015, 9351, 501-509.	1.0	5
342	Dynamic Electrical Source Imaging (DESI) of Seizures and Interictal Epileptic Discharges Without Ensemble Averaging. IEEE Transactions on Medical Imaging, 2017, 36, 98-110.	5.4	5

#	ARTICLE	IF	CITATIONS
343	Learning to Detect Brain Lesions from Noisy Annotations. , 2020, 2020, 1910-1914.		5
344	Reducing the Effects of Motion Artifacts in fMRI: A Structured Matrix Completion Approach. IEEE Transactions on Medical Imaging, 2022, 41, 172-185.	5.4	5
345	MRI Super-Resolution Through Generative Degradation Learning. Lecture Notes in Computer Science, 2021, 12906, 430-440.	1.0	5
346	Performing Brain Image Warping Using the Deformation Field Predicted by a Biomechanical Model. , 2012, , 89-96.		5
347	Accelerating Feature Based Registration Using the Johnson-Lindenstrauss Lemma. Lecture Notes in Computer Science, 2009, 12, 632-639.	1.0	5
348	Improved Multi B-Value Diffusion-Weighted MRI of the Body by Simultaneous Model Estimation and Image Reconstruction (SMEIR). Lecture Notes in Computer Science, 2013, 16, 1-8.	1.0	5
349	Talairachâ€Based Parcellation of Neonatal Brain Magnetic Resonance Imaging Data: Validation of a New Approach. Journal of Neuroimaging, 2005, 15, 305-314.	1.0	4
350	AUTOMATIC SEGMENTATION OF THE BONES FROM MR IMAGES OF THE KNEE. , 2007, , .		4
351	Optimal MAP Parameters Estimation in STAPLE Using Local Intensity Similarity Information. IEEE Journal of Biomedical and Health Informatics, 2015, 19, 1589-1597.	3.9	4
352	Multi-compartment model of brain tissues from T2 relaxometry MRI using gamma distribution. , 2018, , .		4
353	Tractography of the Cerebellar Peduncles in Second- and Third-Trimester Fetuses. American Journal of Neuroradiology, 2021, 42, 194-200.	1.2	4
354	In vivo characterization of emerging white matter microstructure in the fetal brain in the third trimester. , 2020, 41, 3177.		4
355	A Fully Bayesian Inference Framework for Population Studies of the Brain Microstructure. Lecture Notes in Computer Science, 2014, 17, 25-32.	1.0	4
356	Spatially-Constrained Probability Distribution Model of Incoherent Motion (SPIM) in Diffusion Weighted MRI Signals of Crohnâ€™s Disease. Lecture Notes in Computer Science, 2014, , 117-127.	1.0	4
357	Comprehensive Maximum Likelihood Estimation of Diffusion Compartment Models Towards Reliable Mapping of Brain Microstructure. Lecture Notes in Computer Science, 2016, , 622-630.	1.0	4
358	Level Set Methods in an EM Framework for Shape Classification and Estimation. Lecture Notes in Computer Science, 2004, , 1-9.	1.0	4
359	EEG to MRI Registration Based on Global and Local Similarities of MRI Intensity Distributions. Lecture Notes in Computer Science, 2008, 11, 762-770.	1.0	4
360	Estimation of the Prior Distribution of Ground Truth in the STAPLE Algorithm: An Empirical Bayesian Approach. Lecture Notes in Computer Science, 2012, 15, 593-600.	1.0	4

#	ARTICLE	IF	CITATIONS
361	<title>Multiresolution parameterization of meshes for improved surface-based registration</title>. , 2001, , .		3
362	Application of spherical harmonics derived space rotation invariant indices to the analysis of multiple sclerosis lesions' geometry by MRI. Magnetic Resonance Imaging, 2004, 22, 815-825.	1.0	3
363	Reproducibility of Laplacian Wall Thickness Measurements of the Gallbladder with Varying CT Slice Thickness. Journal of Signal Processing Systems, 2009, 55, 67-75.	1.4	3
364	SoftSTAPLE: Truth and performance-level estimation from probabilistic segmentations. , 2011, , .		3
365	Retrospective local artefacts detection in diffusion-weighted images using the Random Sample Consensus (RANSAC) paradigm. , 2012, , .		3
366	Localization of stereo-electroencephalography signals using a finite difference complete electrode model. , 2017, 2017, 3600-3603.		3
367	Tract-Specific Group Analysis in Fetal Cohorts Using in utero Diffusion Tensor Imaging. Lecture Notes in Computer Science, 2018, 11072, 28-35.	1.0	3
368	Multi-Resolution Graph Based Volumetric Cortical Basis Functions From Local Anatomic Features. IEEE Transactions on Biomedical Engineering, 2019, 66, 3381-3392.	2.5	3
369	Lesion-Constrained Electrical Source Imaging. Journal of Clinical Neurophysiology, 2020, 37, 79-86.	0.9	3
370	Myofiber organization in the failing systemic right ventricle. Journal of Cardiovascular Magnetic Resonance, 2020, 22, 49.	1.6	3
371	Decoupling Axial and Radial Tissue Heterogeneity in Diffusion Compartment Imaging. Lecture Notes in Computer Science, 2017, , 440-452.	1.0	3
372	A Prospective Multi-institutional Study of the Reproducibility of fMRI: A Preliminary Report from the Biomedical Informatics Research Network. Lecture Notes in Computer Science, 2004, , 769-776.	1.0	3
373	Analytic Quantification of Bias and Variance of Coil Sensitivity Profile Estimators for Improved Image Reconstruction in MRI. Lecture Notes in Computer Science, 2015, 9350, 684-691.	1.0	3
374	Motion-Robust Spatially Constrained Parameter Estimation in Renal Diffusion-Weighted MRI by 3D Motion Tracking and Correction of Sequential Slices. Lecture Notes in Computer Science, 2017, 10555, 75-85.	1.0	3
375	Non-learning based deep parallel MRI reconstruction (NLDpMRI). , 2019, , .		3
376	Deep learning of birth-related infant clavicle fractures: a potential virtual consultant for fracture dating. Pediatric Radiology, 2022, 52, 2206-2214.	1.1	3
377	<title>Real-time simulation and visualization of volumetric brain deformation for image-guided neurosurgery</title>. , 2001, , .		2
378	Hybrid Formulation of the Model-Based Non-rigid Registration Problem to Improve Accuracy and Robustness. Lecture Notes in Computer Science, 2005, 8, 295-302.	1.0	2

#	ARTICLE	IF	CITATIONS
379	XFEM-based modeling of successive resections for preoperative image updating. , 2006, 6141, 403.		2
380	A quantitative assessment of approaches to mesh generation for surgical simulation. Engineering With Computers, 2008, 24, 417-430.	3.5	2
381	Polyaffine parametrization of image registration based on geodesic flows. , 2012, , .		2
382	A Comparison of Point and Complete Electrode Models in a Finite Difference Model of Invasive Electrode Measurements. , 2018, 2018, 4677-4680.		2
383	Free induction decay navigator motion metrics for prediction of diagnostic image quality in pediatric MRI. Magnetic Resonance in Medicine, 2021, 85, 3169-3181.	1.9	2
384	Physics-based iterative reconstruction for dual-source and flying focal spot computed tomography. Medical Physics, 2021, 48, 3595-3613.	1.6	2
385	Capturing Brain Deformation. Lecture Notes in Computer Science, 2003, , 203-217.	1.0	2
386	Neuroimage as a Biomechanical Model: Toward New Computational Biomechanics of the Brain. , 2012, , 19-28.		2
387	Optimal MAP Parameters Estimation in STAPLE - Learning from Performance Parameters versus Image Similarity Information. Lecture Notes in Computer Science, 2014, , 174-181.	1.0	2
388	A Framework for the Analysis of Diffusion Compartment Imaging (DCI). Mathematics and Visualization, 2015, , 271-297.	0.4	2
389	Abdominal Images Non-rigid Registration Using Local-Affine Diffeomorphic Demons. Lecture Notes in Computer Science, 2012, , 116-124.	1.0	2
390	A Flux-Conservative Finite Difference Scheme for Anisotropic Bioelectric Problems. , 2020, , 135-146.		2
391	Gradient-Guided Isotropic MRI Reconstruction From Anisotropic Acquisitions. IEEE Transactions on Computational Imaging, 2021, 7, 1240-1253.	2.6	2
392	Limited utility of structural MRI to identify the epileptogenic zone in young children with tuberous sclerosis. Journal of Neuroimaging, 0, , .	1.0	2
393	Diffusion-derived parameters in lesions, peri-lesion and normal-appearing white matter in multiple sclerosis using tensor, kurtosis and fixel-based analysis. Journal of Cerebral Blood Flow and Metabolism, 2022, 42, 2095-2106.	2.4	2
394	<title>Medical image segmentation using high-performance computer clusters</title>. , 2001, , .		1
395	Dense deformation field estimation for brain intraoperative images registration. , 2004, , .		1
396	On the Effects of Model Complexity in Computing Brain Deformation for Image-Guided Neurosurgery. , 2011, , 51-61.		1

#	ARTICLE	IF	CITATIONS
397	Whole brain group network analysis using network bias and variance parameters. , 2012, 2012, 1511-1514.		1
398	Automatic delineation of white matter fascicles by localization based upon anatomical spatial relationships. , 2013, , .		1
399	Structural and diffusion weighted MRI registration for biomarker fusion in Crohn's disease diagnosis. , 2015, , .		1
400	Optimized magnetic resonance diffusion protocol for ex-vivo whole human brain imaging with a clinical scanner. Proceedings of SPIE, 2015, , .	0.8	1
401	Motion-corrected foetal cardiac MRI. Nature Biomedical Engineering, 2019, 3, 852-854.	11.6	1
402	Matched neurofeedback during fMRI differentially activates reward-related circuits in active and sham groups. Journal of Neuroimaging, 2021, 31, 947-955.	1.0	1
403	Intra-operative Update of Neuro-images: Comparison of Performance of Image Warping Using Patient-Specific Biomechanical Model and BSpline Image Registration. , 2013, , 127-141.		1
404	Augmenting intraoperative MRI with preoperative fMRI and DTI by biomechanical simulation of brain deformation. , 2003, , .		1
405	Magnetic Resonance Image-Guided Neurosurgery—Reproduced from the first edition, Handbook of Neuro-Oncology Neuroimaging, ed. F. Jolesz and H. Newton, Academic Press, 2007.. , 2008, , 205-215.		1
406	Estimation of Inferential Uncertainty in Assessing Expert Segmentation Performance from Staple. Lecture Notes in Computer Science, 2009, 21, 701-712.	1.0	1
407	Spatially Constrained Incoherent Motion (SCIM) Model Improves Quantitative Diffusion-Weighted MRI Analysis of Crohn's Disease Patients. Lecture Notes in Computer Science, 2013, , 11-19.	1.0	1
408	Identification of Gadolinium Contrast Enhanced Regions in MS Lesions Using Brain Tissue Microstructure Information Obtained from Diffusion and T2 Relaxometry MRI. Lecture Notes in Computer Science, 2018, , 63-71.	1.0	1
409	Incorporating Metric Flows and Sparse Jacobian Transformations in ITK. The Insight Journal, 2006, , .	0.2	1
410	Validation of 3D assessment of MR imaging-guided percutaneous cryotherapy of a soft-tissue metastasis. International Congress Series, 2004, 1268, 313-317.	0.2	0
411	A subdivision-based parametric deformable model for surface extraction and statistical shape modeling of the knee cartilages. , 2006, 6141, 622.		0
412	Comparison of the deformations of brain tissues caused by tumor in seizure and non-seizure patients. , 2008, , .		0
413	A data-driven approach to discovering common brain anatomy. , 2009, , .		0
414	Measuring effects of latency in brain activity with fMRI. , 2010, , .		0

#	ARTICLE	IF	CITATIONS
415	Controllable spatio-temporal smoothness constraints for EEG source localization. , 2010, , .		0
416	Cortical brain structures segmentation using constrained optimization and intensity coupling. , 2011, , .		0
417	Automated detection of white matter fiber bundles. , 2011, , .		0
418	Anisotropic equivalent conductivity tensors for bioelectric modeling of partial volume effects in cerebrospinal fluid spaces. , 2011, , .		0
419	Symmetric block-matching registration for the distortion correction of Echo-Planar images. , 2015, , .		0
420	Multi-session complex averaging for high resolution high SNR 3T MR visualization of ex vivo hippocampus and insula. Proceedings of SPIE, 2015, , .	0.8	0
421	Dynamic Missing-Data Completion Reduces Leakage of Motion Artifact Caused by Temporal Filtering that Remains After Scrubbing. , 2020, , .		0
422	High Performance Computing in Image Guided Therapy. Informatik Aktuell, 2001, , 3-14.	0.4	0
423	A New Technique for Multi-modal 3D Image Registration. Lecture Notes in Computer Science, 2003, , 244-253.	1.0	0
424	Grid-Enabled Software Environment for Enhanced Dynamic Data-Driven Visualization and Navigation During Image-Guided Neurosurgery. Lecture Notes in Computer Science, 2007, , 980-987.	1.0	0
425	Magnetic Resonance Image Guided Neurosurgery. , 2008, , 171-180.		0
426	Four Neuroimaging Questions that P-Values Cannot Answer (and Bayesian Analysis Can). Lecture Notes in Computer Science, 2014, , 95-106.	1.0	0
427	MR Microscopy for 3D Identification of Cortical Tubers, White Matter "Microtubers" and Radial Migration Lines in Ex Vivo Pediatric TSC with Epilepsy. FASEB Journal, 2015, 29, .	0.2	0
428	A Bayes Hilbert Space for Compartment Model Computing in Diffusion MRI. Lecture Notes in Computer Science, 2018, , 72-80.	1.0	0
429	Biomechanical Modelling of the Brain for Neuronavigation in Epilepsy Surgery. Biological and Medical Physics Series, 2019, , 165-180.	0.3	0
430	Talairach-Based Parcellation of Neonatal Brain Magnetic Resonance Imaging Data: Validation of a New Approach. , 2005, 15, 305-314.		0
431	LGG-32. Integrated biologic, radiologic and clinical analysis of pediatric low-grade gliomas during and after targeted therapy treatment. Neuro-Oncology, 2022, 24, i95-i95.	0.6	0