

Max A Viergever

List of Publications by Year in descending order

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168
papers

15,040
citations

87401

40
h-index

21843

118
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171
all docs

171
docs citations

171
times ranked

17924
citing authors

#	ARTICLE	IF	CITATIONS
1	MRI-based synthetic CT shows equivalence to conventional CT for the morphological assessment of the hip joint. <i>Journal of Orthopaedic Research</i> , 2022, 40, 954-964.	1.2	27
2	AI-Based Quantification of Planned Radiation Therapy Dose to Cardiac Structures and Coronary Arteries in Patients With Breast Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2022, 112, 611-620.	0.4	9
3	AI-Based Radiation Dose Quantification for Estimation of Heart Disease Risk in Breast Cancer Survivors After Radiation Therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2022, 112, 621-632.	0.4	9
4	Deep learning-based whole-heart segmentation in 4D contrast-enhanced cardiac CT. <i>Computers in Biology and Medicine</i> , 2022, 142, 105191.	3.9	8
5	Synthetic CT for the planning of MR-HIFU treatment of bone metastases in pelvic and femoral bones: a feasibility study. <i>European Radiology</i> , 2022, , 1.	2.3	9
6	Efficient cascaded V-net optimization for lower extremity CT segmentation validated using bone morphology assessment. <i>Journal of Orthopaedic Research</i> , 2022, , .	1.2	6
7	Explainable artificial intelligence (XAI) in deep learning-based medical image analysis. <i>Medical Image Analysis</i> , 2022, 79, 102470.	7.0	256
8	The effect of gradient nonlinearities on fiber orientation estimates from spherical deconvolution of diffusion magnetic resonance imaging data. <i>Human Brain Mapping</i> , 2021, 42, 367-383.	1.9	13
9	Rapid 2D variable flip angle method for accurate and precise T1 measurements over a wide range of T1 values. <i>NMR in Biomedicine</i> , 2021, 34, e4542.	1.6	2
10	Fiber orientation distribution from diffusion MRI: Effects of inaccurate response function calibration. <i>Journal of Neuroimaging</i> , 2021, 31, 1082-1098.	1.0	4
11	Interleaved water and fat MR thermometry for monitoring high intensity focused ultrasound ablation of bone lesions. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 2647-2655.	1.9	2
12	CT to MR registration of complex deformations in the knee joint through dual quaternion interpolation of rigid transforms. <i>Physics in Medicine and Biology</i> , 2021, 66, 175024.	1.6	5
13	Distance Control and Virtual Drilling Improves Anatomical Orientation During Anterior Petrosectomy. <i>Operative Neurosurgery</i> , 2020, 18, 83-91.	0.4	2
14	The adverse effect of gradient nonlinearities on diffusion MRI: From voxels to group studies. <i>NeuroImage</i> , 2020, 205, 116127.	2.1	32
15	Deep learning-based MR-to-CT synthesis: The influence of varying gradient echo-based MR images as input channels. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 1429-1441.	1.9	77
16	Synchronous Breast Cancer: Phenotypic Similarities on MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 51, 1858-1867.	1.9	2
17	Feasibility of imaging ⁹⁰ Y microspheres at diagnostic activity levels for hepatic radioembolization treatment planning. <i>Medical Physics</i> , 2020, 47, 1105-1114.	1.6	13
18	Deep Learning Analysis of Coronary Arteries in Cardiac CT Angiography for Detection of Patients Requiring Invasive Coronary Angiography. <i>IEEE Transactions on Medical Imaging</i> , 2020, 39, 1545-1557.	5.4	43

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19	Validating faster DENSE measurements of cardiac-induced brain tissue expansion as a potential tool for investigating cerebral microvascular pulsations. <i>NeuroImage</i> , 2020, 208, 116466.	2.1	21
20	Deep Learning-Based Regression and Classification for Automatic Landmark Localization in Medical Images. <i>IEEE Transactions on Medical Imaging</i> , 2020, 39, 4011-4022.	5.4	70
21	Harmonization of diffusion MRI data sets with adaptive dictionary learning. <i>Human Brain Mapping</i> , 2020, 41, 4478-4499.	1.9	14
22	Deep learning from dual-energy information for whole-heart segmentation in dual-energy and single-energy non-contrast-enhanced cardiac CT. <i>Medical Physics</i> , 2020, 47, 5048-5060.	1.6	29
23	Early detection of small volume stroke and thromboembolic sources with computed tomography: Rationale and design of the ENCLOSE study. <i>European Stroke Journal</i> , 2020, 5, 432-440.	2.7	3
24	Radiogenomic Analysis of Breast Cancer by Linking MRI Phenotypes with Tumor Gene Expression. <i>Radiology</i> , 2020, 296, 277-287.	3.6	37
25	Computer-Aided Diagnosis in Multiparametric Magnetic Resonance Imaging Screening of Women With Extremely Dense Breasts to Reduce False-Positive Diagnoses. <i>Investigative Radiology</i> , 2020, 55, 438-444.	3.5	23
26	Automated characterization of noise distributions in diffusion MRI data. <i>Medical Image Analysis</i> , 2020, 65, 101758.	7.0	20
27	Generalized Richardson-Lucy (GRL) for analyzing multi-shell diffusion MRI data. <i>NeuroImage</i> , 2020, 218, 116948.	2.1	16
28	A computed tomography-based spatial reference for pedicle screw placement in adolescent idiopathic scoliosis. <i>Spine Deformity</i> , 2020, 8, 67-76.	0.7	6
29	Deep Learning for Automatic Calcium Scoring in CT: Validation Using Multiple Cardiac CT and Chest CT Protocols. <i>Radiology</i> , 2020, 295, 66-79.	3.6	140
30	Comparison of the Biograph Vision and Biograph mCT for quantitative 90Y PET/CT imaging for radioembolisation. <i>EJNMMI Physics</i> , 2020, 7, 14.	1.3	21
31	Development and body mass inversely affect children's brain activation in dorsolateral prefrontal cortex during food choice. <i>NeuroImage</i> , 2019, 201, 116016.	2.1	21
32	Fast and accurate quantitative determination of the lung shunt fraction in hepatic radioembolization. <i>Physics in Medicine and Biology</i> , 2019, 64, 235002.	1.6	5
33	Are contralateral parenchymal enhancement on dynamic contrast-enhanced MRI and genomic ER-pathway activity in ER-positive/HER2-negative breast cancer related?. <i>European Journal of Radiology</i> , 2019, 121, 108705.	1.2	9
34	A Dual-layer Detector for Simultaneous Fluoroscopic and Nuclear Imaging. <i>Radiology</i> , 2019, 290, 833-838.	3.6	15
35	Accelerated SPECT image reconstruction with FBP and an image enhancement convolutional neural network. <i>EJNMMI Physics</i> , 2019, 6, 14.	1.3	34
36	CT-based study of vertebral and intravertebral rotation in right thoracic adolescent idiopathic scoliosis. <i>European Spine Journal</i> , 2019, 28, 3044-3052.	1.0	8

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37	SMART tracking: Simultaneous anatomical imaging and real-time passive device tracking for MR-guided interventions. <i>Physica Medica</i> , 2019, 64, 252-260.	0.4	3
38	Sex Differences in Coronary Artery and Thoracic Aorta Calcification and Their Association With Cardiovascular Mortality in Heavy Smokers. <i>JACC: Cardiovascular Imaging</i> , 2019, 12, 1808-1817.	2.3	25
39	Reducing variability in along-tract analysis with diffusion profile realignment. <i>NeuroImage</i> , 2019, 199, 663-679.	2.1	10
40	Respiratory motion compensation in interventional liver SPECT using simultaneous fluoroscopic and nuclear imaging. <i>Medical Physics</i> , 2019, 46, 3496-3507.	1.6	10
41	Implications of Extracranial Distortion in Ultra-High-Field Magnetic Resonance Imaging for Image-Guided Cranial Neurosurgery. <i>World Neurosurgery</i> , 2019, 126, e250-e258.	0.7	6
42	Automatic classification of focal liver lesions based on MRI and risk factors. <i>PLoS ONE</i> , 2019, 14, e0217053.	1.1	47
43	Effect of prolonged acquisition intervals for CT perfusion analysis methods in patients with ischemic stroke. <i>Medical Physics</i> , 2019, 46, 3156-3164.	1.6	12
44	Performance of a dual-layer scanner for hybrid SPECT/CBCT. <i>Physics in Medicine and Biology</i> , 2019, 64, 105020.	1.6	10
45	Automated remote fall detection using impact features from video and audio. <i>Journal of Biomechanics</i> , 2019, 88, 25-32.	0.9	41
46	MRI artifact simulation for clinically relevant MRI sequences for guidance of prostate HDR brachytherapy. <i>Physics in Medicine and Biology</i> , 2019, 64, 095006.	1.6	4
47	The Superoanterior Fasciculus (SAF): A Novel White Matter Pathway in the Human Brain?. <i>Frontiers in Neuroanatomy</i> , 2019, 13, 24.	0.9	22
48	Quantifying cardiac-induced brain tissue expansion using DENSE. <i>NMR in Biomedicine</i> , 2019, 32, e4050.	1.6	28
49	A Recurrent CNN for Automatic Detection and Classification of Coronary Artery Plaque and Stenosis in Coronary CT Angiography. <i>IEEE Transactions on Medical Imaging</i> , 2019, 38, 1588-1598.	5.4	172
50	Deep learning analysis of left ventricular myocardium in CT angiographic intermediate-degree coronary stenosis improves the diagnostic accuracy for identification of functionally significant stenosis. <i>European Radiology</i> , 2019, 29, 2350-2359.	2.3	73
51	Fast technetium-99m liver SPECT for evaluation of the pretreatment procedure for radioembolization dosimetry. <i>Medical Physics</i> , 2019, 46, 345-355.	1.6	17
52	isoPhasor: a generic and precise marker visualization, localization, and quantification method based on phase saddles in 3D MR imaging. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 2038-2051.	1.9	0
53	Coronary artery centerline extraction in cardiac CT angiography using a CNN-based orientation classifier. <i>Medical Image Analysis</i> , 2019, 51, 46-60.	7.0	129
54	A deep learning framework for unsupervised affine and deformable image registration. <i>Medical Image Analysis</i> , 2019, 52, 128-143.	7.0	512

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55	Liver segmentation and metastases detection in MR images using convolutional neural networks. Journal of Medical Imaging, 2019, 6, 1.	0.8	20
56	Selection Strategies for Atlas-Based Mosaicing of Left Atrial 3-D Transesophageal Echocardiography Data. Ultrasound in Medicine and Biology, 2018, 44, 1533-1543.	0.7	0
57	System for image-guided resection of nonpalpable breast lesions: Proof of concept. Medical Physics, 2018, 45, 2169-2178.	1.6	0
58	Automatic Calcium Scoring in Low-Dose Chest CT Using Deep Neural Networks With Dilated Convolutions. IEEE Transactions on Medical Imaging, 2018, 37, 615-625.	5.4	176
59	White matter hyperintensity shape and location feature analysis on brain MRI; proof of principle study in patients with diabetes. Scientific Reports, 2018, 8, 1893.	1.6	39
60	Anterior-posterior length discrepancy of the spinal column in adolescent idiopathic scoliosis—a 3D CT study. Spine Journal, 2018, 18, 2259-2265.	0.6	23
61	Effects of early nutrition and growth on brain volumes, white matter microstructure, and neurodevelopmental outcome in preterm newborns. Pediatric Research, 2018, 83, 102-110.	1.1	118
62	Benchmarking Distance Control and Virtual Drilling for Lateral Skull Base Surgery. World Neurosurgery, 2018, 109, e217-e228.	0.7	4
63	Deep learning analysis of the myocardium in coronary CT angiography for identification of patients with functionally significant coronary artery stenosis. Medical Image Analysis, 2018, 44, 72-85.	7.0	154
64	Fast quantitative reconstruction with focusing collimators for liver SPECT. EJNMMI Physics, 2018, 5, 28.	1.3	12
65	Coronary calcium scoring with partial volume correction in anthropomorphic thorax phantom and screening chest CT images. PLoS ONE, 2018, 13, e0209318.	1.1	23
66	Automatic, Fast and Robust Characterization of Noise Distributions for Diffusion MRI. Lecture Notes in Computer Science, 2018, , 304-312.	1.0	2
67	Radioembolization lung shunt estimation based on a ⁹⁰ Y pretreatment procedure: A phantom study. Medical Physics, 2018, 45, 4744-4753.	1.6	16
68	Development and Testing of a Magnetic Resonance (MR) Conditional Afterloader for Source Tracking in Magnetic Resonance Imaging-Guided High-Dose-Rate (HDR) Brachytherapy. International Journal of Radiation Oncology Biology Physics, 2018, 102, 960-968.	0.4	12
69	Impact of automatically detected motion artifacts on coronary calcium scoring in chest computed tomography. Journal of Medical Imaging, 2018, 5, 1.	0.8	6
70	Simultaneous fluoroscopic and nuclear imaging: impact of collimator choice on nuclear image quality. Medical Physics, 2017, 44, 249-261.	1.6	8
71	Dilated Convolutional Neural Networks for Cardiovascular MR Segmentation in Congenital Heart Disease. Lecture Notes in Computer Science, 2017, , 95-102.	1.0	36
72	Atlas-Based Mosaicing of Left Atrial 3-D Transesophageal Echocardiography Images. Ultrasound in Medicine and Biology, 2017, 43, 765-774.	0.7	4

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73	Quantification of confounding factors in MRI-based dose calculations as applied to prostate IMRT. <i>Physics in Medicine and Biology</i> , 2017, 62, 948-965.	1.6	39
74	ConvNet-Based Localization of Anatomical Structures in 3-D Medical Images. <i>IEEE Transactions on Medical Imaging</i> , 2017, 36, 1470-1481.	5.4	94
75	Automatic Quantification of Radiographic Wrist Joint Space Width of Patients With Rheumatoid Arthritis. <i>IEEE Transactions on Biomedical Engineering</i> , 2017, 64, 2695-2703.	2.5	6
76	In Vivo Molecular MRI of ICAM-1 Expression on Endothelium and Leukocytes from Subacute to Chronic Stages After Experimental Stroke. <i>Translational Stroke Research</i> , 2017, 8, 440-448.	2.3	17
77	Subject-specific liver motion modeling in MRI: a feasibility study on spatiotemporal prediction. <i>Physics in Medicine and Biology</i> , 2017, 62, 2581-2597.	1.6	5
78	Quantifying the brain's sheet structure with normalized convolution. <i>Medical Image Analysis</i> , 2017, 39, 162-177.	7.0	15
79	Classification of coronary artery calcifications according to motion artifacts in chest CT using a convolutional neural network. <i>Proceedings of SPIE</i> , 2017, , .	0.8	3
80	Automatic Localization of Cochlear Implant Electrode Contacts in CT. <i>Ear and Hearing</i> , 2017, 38, e376-e384.	1.0	19
81	Automatic quantification of ischemic injury on diffusion-weighted MRI of neonatal hypoxic ischemic encephalopathy. <i>NeuroImage: Clinical</i> , 2017, 14, 222-232.	1.4	14
82	Fast Fourierâ€based simulation of offâ€resonance artifacts in steadyâ€state gradient echo MRI applied to metal object localization. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 2035-2041.	1.9	15
83	Estimation of lung shunt fraction from simultaneous fluoroscopic and nuclear images. <i>Physics in Medicine and Biology</i> , 2017, 62, 8210-8225.	1.6	2
84	Impact of respiratory motion and acquisition settings on <sc>SPECT</sc> liver dosimetry for radioembolization. <i>Medical Physics</i> , 2017, 44, 5270-5279.	1.6	29
85	Challenges in <sc>MR</sc>â€only seed localization for postimplant dosimetry in permanent prostate brachytherapy. <i>Medical Physics</i> , 2017, 44, 5051-5060.	1.6	10
86	Complementary Value of Contralateral Parenchymal Enhancement on DCE-MRI to Prognostic Models and Molecular Assays in High-risk ER+/HER2â Breast Cancer. <i>Clinical Cancer Research</i> , 2017, 23, 6505-6515.	3.2	18
87	Considering healthiness promotes healthier choices but modulates medial prefrontal cortex differently in children compared with adults. <i>NeuroImage</i> , 2017, 159, 325-333.	2.1	21
88	White matter maturation in the neonatal brain is predictive of school age cognitive capacities in children born very preterm. <i>Developmental Medicine and Child Neurology</i> , 2017, 59, 939-946.	1.1	36
89	Prediction of cognitive and motor outcome of preterm infants based on automatic quantitative descriptors from neonatal MR brain images. <i>Scientific Reports</i> , 2017, 7, 2163.	1.6	25
90	End-to-End Unsupervised Deformable Image Registration with a Convolutional Neural Network. <i>Lecture Notes in Computer Science</i> , 2017, , 204-212.	1.0	251

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91	Optimization Strategies for Interactive Classification of Interstitial Lung Disease Textures. <i>Frontiers in ICT</i> , 2016, 3, .	3.6	0
92	Robustness of Automated Methods for Brain Volume Measurements across Different MRI Field Strengths. <i>PLoS ONE</i> , 2016, 11, e0165719.	1.1	83
93	Evaluation of Variable Density and Data-Driven K-Space Undersampling for Compressed Sensing Magnetic Resonance Imaging. <i>Investigative Radiology</i> , 2016, 51, 410-419.	3.5	29
94	Preventive and Abortive Strategies for Stimulation Based Control of Epilepsy: A Computational Model Study. <i>International Journal of Neural Systems</i> , 2016, 26, 1650028.	3.2	11
95	Fast nonlinear regression method for CT brain perfusion analysis. <i>Journal of Medical Imaging</i> , 2016, 3, 026003.	0.8	14
96	Influence of water and fat heterogeneity on fat-referenced MR thermometry. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 1187-1197.	1.9	24
97	Semi-automatic classification of textures in thoracic CT scans. <i>Physics in Medicine and Biology</i> , 2016, 61, 5906-5924.	1.6	6
98	An evaluation of automatic coronary artery calcium scoring methods with cardiac CT using the orCaScore framework. <i>Medical Physics</i> , 2016, 43, 2361-2373.	1.6	63
99	Sheet Probability Index (SPI): Characterizing the geometrical organization of the white matter with diffusion MRI. <i>NeuroImage</i> , 2016, 142, 260-279.	2.1	17
100	Relation between clinical risk factors, early cortical changes, and neurodevelopmental outcome in preterm infants. <i>NeuroImage</i> , 2016, 142, 301-310.	2.1	58
101	Deep Learning for Multi-task Medical Image Segmentation in Multiple Modalities. <i>Lecture Notes in Computer Science</i> , 2016, , 478-486.	1.0	165
102	Short and long time MR signal behavior of randomly distributed water and fat numerical simulations. <i>NMR in Biomedicine</i> , 2016, 29, 1634-1643.	1.6	0
103	Developmental differences in the brain response to unhealthy food cues: an fMRI study of children and adults. <i>American Journal of Clinical Nutrition</i> , 2016, 104, 1515-1522.	2.2	57
104	Optimization of Parallel-Hole Collimators for Intraoperative Localization of Iodine-125 Seeds. <i>IEEE Transactions on Nuclear Science</i> , 2016, 63, 2527-2532.	1.2	2
105	A survey of medical image registration " under review. <i>Medical Image Analysis</i> , 2016, 33, 140-144.	7.0	224
106	Automatic coronary artery calcium scoring in cardiac CT angiography using paired convolutional neural networks. <i>Medical Image Analysis</i> , 2016, 34, 123-136.	7.0	228
107	Quantification of deep medullary veins at 7 T brain MRI. <i>European Radiology</i> , 2016, 26, 3412-3418.	2.3	27
108	DCE-MRI and IVIM-MRI of rabbit Vx2 tumors treated with MR-HIFU-induced mild hyperthermia. <i>Journal of Therapeutic Ultrasound</i> , 2016, 4, 9.	2.2	14

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109	Brain Volumes at Term-Equivalent Age in Preterm Infants: Imaging Biomarkers for Neurodevelopmental Outcome through Early School Age. <i>Journal of Pediatrics</i> , 2016, 172, 88-95.	0.9	102
110	Cohort Profile: Cohort Hip and Cohort Knee (CHECK) study. <i>International Journal of Epidemiology</i> , 2016, 45, 36-44.	0.9	59
111	Subtypes of trait impulsivity differentially correlate with neural responses to food choices. <i>Behavioural Brain Research</i> , 2016, 296, 442-450.	1.2	32
112	Toward Simultaneous Real-Time Fluoroscopic and Nuclear Imaging in the Intervention Room. <i>Radiology</i> , 2016, 278, 232-238.	3.6	19
113	Subject-specific four-dimensional liver motion modeling based on registration of dynamic MRI. <i>Journal of Medical Imaging</i> , 2016, 3, 1.	0.8	11
114	Trade-off between angular and spatial resolutions in in vivo fiber tractography. <i>NeuroImage</i> , 2016, 129, 117-132.	2.1	27
115	Effects of Posthemorrhagic Ventricular Dilatation in the Preterm Infant on Brain Volumes and White Matter Diffusion Variables at Term-Equivalent Age. <i>Journal of Pediatrics</i> , 2016, 168, 41-49.e1.	0.9	51
116	Automatic Quantification of Radiographic Finger Joint Space Width of Patients With Early Rheumatoid Arthritis. <i>IEEE Transactions on Biomedical Engineering</i> , 2016, 63, 2177-2186.	2.5	31
117	Standardized food images: A photographing protocol and image database. <i>Appetite</i> , 2016, 96, 166-173.	1.8	124
118	CT perfusion analysis by nonlinear regression for predicting hemorrhagic transformation in ischemic stroke. <i>Medical Physics</i> , 2015, 42, 4610-4618.	1.6	17
119	Atlas-based mosaicing of 3D transesophageal echocardiography images of the left atrium. , 2015, , .		1
120	¹⁹ F MRSI of capecitabine in the liver at 7T using broadband transmit-receive antennas and dual-band RF pulses. <i>NMR in Biomedicine</i> , 2015, 28, 1433-1442.	1.6	13
121	Influence of Thin Slice Reconstruction on CT Brain Perfusion Analysis. <i>PLoS ONE</i> , 2015, 10, e0137766.	1.1	10
122	Seeing More by Showing Less: Orientation-Dependent Transparency Rendering for Fiber Tractography Visualization. <i>PLoS ONE</i> , 2015, 10, e0139434.	1.1	14
123	MRBrainS Challenge: Online Evaluation Framework for Brain Image Segmentation in 3T MRI Scans. <i>Computational Intelligence and Neuroscience</i> , 2015, 2015, 1-16.	1.1	179
124	Serum Lipid Levels, Body Mass Index, and Their Role in Coronary Artery Calcification. <i>Circulation: Cardiovascular Genetics</i> , 2015, 8, 327-333.	5.1	17
125	Computed tomography perfusion evaluation after extracranial-intracranial bypass surgery. <i>Clinical Neurology and Neurosurgery</i> , 2015, 136, 139-146.	0.6	25
126	Diffusion tensor imaging of the auditory nerve in patients with long-term single-sided deafness. <i>Hearing Research</i> , 2015, 323, 1-8.	0.9	24

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127	Automatic segmentation of MR brain images of preterm infants using supervised classification. <i>NeuroImage</i> , 2015, 118, 628-641.	2.1	71
128	Quality of MR thermometry during palliative MR-guided high-intensity focused ultrasound (MR-HIFU) treatment of bone metastases. <i>Journal of Therapeutic Ultrasound</i> , 2015, 3, 5.	2.2	28
129	Assessment of algorithms for mitosis detection in breast cancer histopathology images. <i>Medical Image Analysis</i> , 2015, 20, 237-248.	7.0	338
130	Evaluation of automatic neonatal brain segmentation algorithms: The NeoBrainS12 challenge. <i>Medical Image Analysis</i> , 2015, 20, 135-151.	7.0	85
131	What you see is what you eat: An ALE meta-analysis of the neural correlates of food viewing in children and adolescents. <i>NeuroImage</i> , 2015, 104, 35-43.	2.1	70
132	Microstructural White Matter Tissue Characteristics Are Modulated by Homocysteine: A Diffusion Tensor Imaging Study. <i>PLoS ONE</i> , 2015, 10, e0116330.	1.1	5
133	Development of Cortical Morphology Evaluated with Longitudinal MR Brain Images of Preterm Infants. <i>PLoS ONE</i> , 2015, 10, e0131552.	1.1	60
134	Functional MRI of Challenging Food Choices: Forced Choice between Equally Liked High- and Low-Calorie Foods in the Absence of Hunger. <i>PLoS ONE</i> , 2015, 10, e0131727.	1.1	37
135	The Sum of Its Partsâ€™ Effects of Gastric Distention, Nutrient Content and Sensory Stimulation on Brain Activation. <i>PLoS ONE</i> , 2014, 9, e90872.	1.1	28
136	Automated Coronary Artery Calcification Scoring in Non-Gated Chest CT: Agreement and Reliability. <i>PLoS ONE</i> , 2014, 9, e91239.	1.1	90
137	Registration of organs with sliding interfaces and changing topologies. <i>Proceedings of SPIE</i> , 2014, , .	0.8	8
138	Interactive lung segmentation in abnormal human and animal chest CT scans. <i>Medical Physics</i> , 2014, 41, 081915.	1.6	7
139	DIRBoostâ€™An algorithm for boosting deformable image registration: Application to lung CT intra-subject registration. <i>Medical Image Analysis</i> , 2014, 18, 449-459.	7.0	23
140	Microstructural brain development between 30 and 40 weeks corrected age in a longitudinal cohort of extremely preterm infants. <i>NeuroImage</i> , 2014, 103, 214-224.	2.1	65
141	Corrections to â€™Breast cancer histopathology image analysis: A reviewâ€™[May 14 1400-1411]. <i>IEEE Transactions on Biomedical Engineering</i> , 2014, 61, 2819-2819.	2.5	4
142	Taste matters â€™ effects of bypassing oral stimulation on hormone and appetite responses. <i>Physiology and Behavior</i> , 2014, 137, 9-17.	1.0	36
143	Recursive calibration of the fiber response function for spherical deconvolution of diffusion MRI data. <i>NeuroImage</i> , 2014, 86, 67-80.	2.1	163
144	Implicit surface registration with surface-oriented anisotropic deformation field smoothing. , 2013, , .		1

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145	Automatic joint detection in rheumatoid arthritis hand radiographs. , 2013, , .		10
146	Detecting cortical cerebral microinfarcts in 7.0 T MR images. , 2013, , .		1
147	Automatic Segmentation of Eight Tissue Classes in Neonatal Brain MRI. PLoS ONE, 2013, 8, e81895.	1.1	59
148	Region based perfusion estimation in peripherals using C-arm systems: A simulation study. , 2011, , .		0
149	Detecting cerebral microbleeds in 7.0 T MR images using the radial symmetry transform. , 2011, , .		4
150	elastix: A Toolbox for Intensity-Based Medical Image Registration. IEEE Transactions on Medical Imaging, 2010, 29, 196-205.	5.4	3,159
151	Adaptive Stochastic Gradient Descent Optimisation for Image Registration. International Journal of Computer Vision, 2009, 81, 227-239.	10.9	336
152	fMRI based BCI control using spatial visual attention at 7T. , 2009, , .		4
153	Enforcing stochastic inverse consistency in non-rigid image registration and matching. , 2008, , .		3
154	Scale Space Hierarchy. Journal of Mathematical Imaging and Vision, 2003, 18, 169-189.	0.8	39
155	Mutual-information-based registration of medical images: a survey. IEEE Transactions on Medical Imaging, 2003, 22, 986-1004.	5.4	2,311
156	MRA of hemodialysis access grafts and fistulae using selective contrast injection and flow interruption. Magnetic Resonance in Medicine, 2001, 45, 557-561.	1.9	21
157	Background suppression using magnetization preparation for contrast-enhanced MR projection angiography. Magnetic Resonance in Medicine, 2001, 46, 78-87.	1.9	20
158	A Dynamic Scaleâ€“Space Paradigm. Journal of Mathematical Imaging and Vision, 2001, 15, 127-168.	0.8	5
159	Placement of an inferior vena cava filter in a pig guided by high-resolution MR fluoroscopy at 1.5 T. Journal of Magnetic Resonance Imaging, 2000, 12, 599-605.	1.9	42
160	On-line flow quantification by low-resolution phase-contrast MR imaging and model-based postprocessing. Journal of Magnetic Resonance Imaging, 2000, 12, 623-631.	1.9	5
161	Selective contrast-enhanced MR angiography. Magnetic Resonance in Medicine, 2000, 44, 575-582.	1.9	39
162	Placement of an inferior vena cava filter in a pig guided by high-resolution MR fluoroscopy at 1.5 T. , 2000, 12, 599.		5

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163	Linearised Euclidean Shortening Flow of Curve Geometry. International Journal of Computer Vision, 1999, 34, 29-67.	10.9	5
164	Differential and Integral Geometry of Linear Scale-Spaces. Journal of Mathematical Imaging and Vision, 1998, 9, 5-27.	0.8	8
165	Linear Scale-Space Theory from Physical Principles. Journal of Mathematical Imaging and Vision, 1998, 9, 103-139.	0.8	15
166	A survey of medical image registration. Medical Image Analysis, 1998, 2, 1-36.	7.0	2,486
167	Dual matrix ordered subsets reconstruction for accelerated 3D scatter compensation in single-photon emission tomography. European Journal of Nuclear Medicine and Molecular Imaging, 1997, 25, 8-18.	3.3	63
168	The Gaussian scale-space paradigm and the multiscale local jet. International Journal of Computer Vision, 1996, 18, 61-75.	10.9	94