

Wiro Joep N Niessen

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

409 papers	17,985 citations	66 h-index	120 g-index
451 ext. papers	21,561 ext. citations	6.9 avg, IF	6.4 L-index

#	Paper	IF	Citations
409	Differential Diagnosis and Molecular Stratification of Gastrointestinal Stromal Tumors on CT Images Using a Radiomics Approach.. <i>Journal of Digital Imaging</i> , 2022 , 35, 127	5.3	2
408	Spatio-temporal deep learning for automatic detection of intracranial vessel perforation in digital subtraction angiography during endovascular thrombectomy.. <i>Medical Image Analysis</i> , 2022 , 77, 102377	15.4	1
407	Optimization of Preoperative Lymph Node Staging in Patients with Muscle-Invasive Bladder Cancer Using Radiomics on Computed Tomography. <i>Journal of Personalized Medicine</i> , 2022 , 12, 726	3.6	
406	A data-driven disease progression model of fluid biomarkers in genetic frontotemporal dementia. <i>Brain</i> , 2021 ,	11.2	3
405	Longitudinal diffusion MRI analysis using Segis-Net: A single-step deep-learning framework for simultaneous segmentation and registration. <i>NeuroImage</i> , 2021 , 235, 118004	7.9	3
404	Hypertensive Exposure Markers by MRI in Relation to Cerebral Small Vessel Disease and Cognitive Impairment. <i>JACC: Cardiovascular Imaging</i> , 2021 , 14, 176-185	8.4	3
403	Analyzing the effect of APOE on Alzheimer's disease progression using an event-based model for stratified populations. <i>NeuroImage</i> , 2021 , 227, 117646	7.9	3
402	Cross-cohort generalizability of deep and conventional machine learning for MRI-based diagnosis and prediction of Alzheimer's disease. <i>NeuroImage: Clinical</i> , 2021 , 31, 102712	5.3	9
401	A Multi-Center, Multi-Vendor Study to Evaluate the Generalizability of a Radiomics Model for Classifying Prostate cancer: High Grade vs. Low Grade. <i>Diagnostics</i> , 2021 , 11,	3.8	9
400	Predicting symptomatic mesenteric mass in small intestinal neuroendocrine tumors using radiomics. <i>Endocrine-Related Cancer</i> , 2021 , 28, 529-539	5.7	2
399	Progression along data-driven disease timelines is predictive of Alzheimer's disease in a population-based cohort. <i>NeuroImage</i> , 2021 , 238, 118233	7.9	0
398	GenNet framework: interpretable deep learning for predicting phenotypes from genetic data. <i>Communications Biology</i> , 2021 , 4, 1094	6.7	1
397	autoTICI: Automatic Brain Tissue Reperfusion Scoring on 2D DSA Images of Acute Ischemic Stroke Patients. <i>IEEE Transactions on Medical Imaging</i> , 2021 , 40, 2380-2391	11.7	5
396	Distinguishing pure histopathological growth patterns of colorectal liver metastases on CT using deep learning and radiomics: a pilot study. <i>Clinical and Experimental Metastasis</i> , 2021 , 38, 483-494	4.7	5
395	Resistance to developing brain pathology due to vascular risk factors: the role of educational attainment. <i>Neurobiology of Aging</i> , 2021 , 106, 197-206	5.6	0
394	Associations of thrombus perviousness derived from entire thrombus segmentation with functional outcome in patients with acute ischemic stroke. <i>Journal of Biomechanics</i> , 2021 , 128, 110700	2.9	0
393	Classification of Clinically Significant Prostate Cancer on Multi-Parametric MRI: A Validation Study Comparing Deep Learning and Radiomics.. <i>Cancers</i> , 2021 , 14,	6.6	1

392	Gray matter atrophy, but not vascular brain injury is related to cognitive impairment in patients with heart failure. <i>Alzheimer's and Dementia</i> , 2020 , 16, e042892	1.2	
391	Cerebral small vessel disease genomics and its implications across the lifespan. <i>Nature Communications</i> , 2020 , 11, 6285	17.4	22
390	Neuro4Neuro: A neural network approach for neural tract segmentation using large-scale population-based diffusion imaging. <i>NeuroImage</i> , 2020 , 218, 116993	7.9	15
389	Automated Classification of Significant Prostate Cancer on MRI: A Systematic Review on the Performance of Machine Learning Applications. <i>Cancers</i> , 2020 , 12,	6.6	24
388	Automatic Collateral Scoring From 3D CTA Images. <i>IEEE Transactions on Medical Imaging</i> , 2020 , 39, 2190-2200	22.0	7
387	Changes in the intracranial volume from early adulthood to the sixth decade of life: A longitudinal study. <i>NeuroImage</i> , 2020 , 220, 116842	7.9	6
386	Radiomics 2020 , 429-456		13
385	Genetic correlations and genome-wide associations of cortical structure in general population samples of 22,824 adults. <i>Nature Communications</i> , 2020 , 11, 4796	17.4	16
384	Position paper on COVID-19 imaging and AI: From the clinical needs and technological challenges to initial AI solutions at the lab and national level towards a new era for AI in healthcare. <i>Medical Image Analysis</i> , 2020 , 66, 101800	15.4	30
383	Structural disconnectivity and the risk of dementia in the general population. <i>Neurology</i> , 2020 , 95, e15286	15.3	5
382	Cerebral blood flow and cognitive functioning in patients with disorders along the heart-brain axis: Cerebral blood flow and the heart-brain axis. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , 2020 , 6, e12034	6	5
381	Differential diagnosis and mutation stratification of desmoid-type fibromatosis on MRI using radiomics. <i>European Journal of Radiology</i> , 2020 , 131, 109266	4.7	5
380	Patterns of functional connectivity in an aging population: The Rotterdam Study. <i>NeuroImage</i> , 2019 , 189, 432-444	7.9	49
379	Multi-Site Meta-Analysis of Morphometry. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2019 , 16, 1508-1514	3	4
378	The value of hippocampal volume, shape, and texture for 11-year prediction of dementia: a population-based study. <i>Neurobiology of Aging</i> , 2019 , 81, 58-66	5.6	5
377	Clinical value of cerebrospinal fluid neurofilament light chain in semantic dementia. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2019 , 90, 997-1004	5.5	13
376	Independent Multiple Factor Association Analysis for Multiblock Data in Imaging Genetics. <i>Neuroinformatics</i> , 2019 , 17, 583-592	3.2	2
375	Detection of mild cognitive impairment in a community-dwelling population using quantitative, multiparametric MRI-based classification. <i>Human Brain Mapping</i> , 2019 , 40, 2711-2722	5.9	5

374	Predicting Global Cognitive Decline in the General Population Using the Disease State Index. <i>Frontiers in Aging Neuroscience</i> , 2019 , 11, 379	5.3	1
373	Groupwise Multichannel Image Registration. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2019 , 23, 1171-1180	7.2	3
372	A genome-wide association study identifies genetic loci associated with specific lobar brain volumes. <i>Communications Biology</i> , 2019 , 2, 285	6.7	14
371	High-Dimensional Mapping of Cognition to the Brain Using Voxel-Based Morphometry and Subcortical Shape Analysis. <i>Journal of Alzheimer's Disease</i> , 2019 , 71, 141-152	4.3	1
370	Normative brain volumetry derived from different reference populations: impact on single-subject diagnostic assessment in dementia. <i>Neurobiology of Aging</i> , 2019 , 84, 9-16	5.6	5
369	Gray Matter Age Prediction as a Biomarker for Risk of Dementia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 21213-21218	11.5	62
368	Genetic variation underlying cognition and its relation with neurological outcomes and brain imaging. <i>Aging</i> , 2019 , 11, 1440-1456	5.6	1
367	Differences in topological progression profile among neurodegenerative diseases from imaging data. <i>ELife</i> , 2019 , 8,	8.9	8
366	Event-Based Modeling with High-Dimensional Imaging Biomarkers for Estimating Spatial Progression of Dementia. <i>Lecture Notes in Computer Science</i> , 2019 , 169-180	0.9	0
365	A Hybrid Deep Learning Framework for Integrated Segmentation and Registration: Evaluation on Longitudinal White Matter Tract Changes. <i>Lecture Notes in Computer Science</i> , 2019 , 645-653	0.9	8
364	Automated Lesion Detection by Regressing Intensity-Based Distance with a Neural Network. <i>Lecture Notes in Computer Science</i> , 2019 , 234-242	0.9	9
363	Multiple-correlation similarity for block-matching based fast CT to ultrasound registration in liver interventions. <i>Medical Image Analysis</i> , 2019 , 53, 132-141	15.4	5
362	Prevalence and clinical relevance of diffusion-weighted imaging lesions: The Rotterdam study. <i>Neurology</i> , 2019 , 93, e1058-e1067	6.5	11
361	Application of an Imaging-Based Sum Score for Cerebral Amyloid Angiopathy to the General Population: Risk of Major Neurological Diseases and Mortality. <i>Frontiers in Neurology</i> , 2019 , 10, 1276	4.1	6
360	Genetic architecture of subcortical brain structures in 38,851 individuals. <i>Nature Genetics</i> , 2019 , 51, 1624-1636	36.3	81
359	Disease progression timeline estimation for Alzheimer's disease using discriminative event based modeling. <i>NeuroImage</i> , 2019 , 186, 518-532	7.9	32
358	Intrasubject multimodal groupwise registration with the conditional template entropy. <i>Medical Image Analysis</i> , 2018 , 46, 15-25	15.4	16
357	Meditation and yoga practice are associated with smaller right amygdala volume: the Rotterdam study. <i>Brain Imaging and Behavior</i> , 2018 , 12, 1631-1639	4.1	16

356	Brain Volumes and Longitudinal Cognitive Change: A Population-based Study. <i>Alzheimer Disease and Associated Disorders</i> , 2018 , 32, 43-49	2.5	17
355	Cerebellar Growth Impairment Characterizes School-Aged Children Born Preterm without Perinatal Brain Lesions. <i>American Journal of Neuroradiology</i> , 2018 , 39, 956-962	4.4	12
354	Contrast-enhancement influences skeletal muscle density, but not skeletal muscle mass, measurements on computed tomography. <i>Clinical Nutrition</i> , 2018 , 37, 1707-1714	5.9	59
353	Age-dependent association of thyroid function with brain morphology and microstructural organization: evidence from brain imaging. <i>Neurobiology of Aging</i> , 2018 , 61, 44-51	5.6	9
352	Differential patterns of age-related cortical and subcortical functional connectivity in 6-to-10 year old children: A connectome-wide association study. <i>Brain and Behavior</i> , 2018 , 8, e01031	3.4	7
351	Trajectories of imaging markers in brain aging: the Rotterdam Study. <i>Neurobiology of Aging</i> , 2018 , 71, 32-40	5.6	73
350	Exome Chip Analysis Identifies Low-Frequency and Rare Variants in MRPL38 for White Matter Hyperintensities on Brain Magnetic Resonance Imaging. <i>Stroke</i> , 2018 , 49, 1812-1819	6.7	10
349	Automatic normative quantification of brain tissue volume to support the diagnosis of dementia: A clinical evaluation of diagnostic accuracy. <i>NeuroImage: Clinical</i> , 2018 , 20, 374-379	5.3	13
348	Disconnection due to white matter hyperintensities is associated with lower cognitive scores. <i>NeuroImage</i> , 2018 , 183, 745-756	7.9	18
347	Averaged Stochastic Optimization for Medical Image Registration Based on Variance Reduction. <i>Lecture Notes in Computer Science</i> , 2018 , 69-79	0.9	
346	Classification of malignant and benign liver tumors using a radiomics approach 2018 ,		7
345	P3-246: C-REACTIVE PROTEIN, PLASMA AMYLOID BETA LEVELS AND MRI MARKERS: THE ROTTERDAM STUDY 2018 , 14, P1166-P1167		1
344	O5-04-05: GENETIC VARIATION UNDERLYING COGNITION AND ITS RELATION WITH NEUROLOGICAL OUTCOMES 2018 , 14, P1652-P1653		
343	Aortic stiffness and brain integrity in elderly patients with cognitive and functional complaints. <i>Clinical Interventions in Aging</i> , 2018 , 13, 2161-2167	4	7
342	Groupwise image registration based on a total correlation dissimilarity measure for quantitative MRI and dynamic imaging data. <i>Scientific Reports</i> , 2018 , 8, 13112	4.9	12
341	C-Reactive Protein, Plasma Amyloid- β Levels, and Their Interaction With Magnetic Resonance Imaging Markers. <i>Stroke</i> , 2018 , 49, 2692-2698	6.7	20
340	Practical Small Vessel Disease Score Relates to Stroke, Dementia, and Death. <i>Stroke</i> , 2018 , 49, 2857-2865	5.7	30
339	Towards Robust CT-Ultrasound Registration Using Deep Learning Methods. <i>Lecture Notes in Computer Science</i> , 2018 , 43-51	0.9	6

338	Reproducible White Matter Tract Segmentation Using 3D U-Net on a Large-scale DTI Dataset. <i>Lecture Notes in Computer Science</i> , 2018 , 205-213	0.9	5
337	Evaluation of 2D and 3D ultrasound tracking algorithms and impact on ultrasound-guided liver radiotherapy margins. <i>Medical Physics</i> , 2018 , 45, 4986-5003	4.4	19
336	Thinner retinal layers are associated with changes in the visual pathway: A population-based study. <i>Human Brain Mapping</i> , 2018 , 39, 4290-4301	5.9	14
335	Cortical abnormalities in adults and adolescents with major depression based on brain scans from 20 cohorts worldwide in the ENIGMA Major Depressive Disorder Working Group. <i>Molecular Psychiatry</i> , 2017 , 22, 900-909	15.1	514
334	Novel genetic loci associated with hippocampal volume. <i>Nature Communications</i> , 2017 , 8, 13624	17.4	173
333	Gray matter heritability in family-based and population-based studies using voxel-based morphometry. <i>Human Brain Mapping</i> , 2017 , 38, 2408-2423	5.9	7
332	Classification of hemodynamically significant stenoses from dynamic CT perfusion and CTA myocardial territories. <i>Medical Physics</i> , 2017 , 44, 1347-1358	4.4	2
331	Genetic susceptibility to multiple sclerosis: Brain structure and cognitive function in the general population. <i>Multiple Sclerosis Journal</i> , 2017 , 23, 1697-1706	5	6
330	Laplacian eigenmaps for multimodal groupwise image registration 2017 ,		2
329	Automatic segmentation and quantification of the cardiac structures from non-contrast-enhanced cardiac CT scans. <i>Physics in Medicine and Biology</i> , 2017 , 62, 3798-3813	3.8	20
328	Brain MRI-markers Associate Differentially with Cognitive Versus Functional Decline Leading to Dementia. <i>Journal of the American Geriatrics Society</i> , 2017 , 65, 1258-1266	5.6	9
327	Automatic online layer separation for vessel enhancement in X-ray angiograms for percutaneous coronary interventions. <i>Medical Image Analysis</i> , 2017 , 39, 145-161	15.4	14
326	A comparative study of software programmes for cross-sectional skeletal muscle and adipose tissue measurements on abdominal computed tomography scans of rectal cancer patients. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2017 , 8, 285-297	10.3	109
325	Design of the ExCersion-VCI study: The effect of aerobic exercise on cerebral perfusion in patients with vascular cognitive impairment. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , 2017 , 3, 157-165	6	12
324	Multiparametric computer-aided differential diagnosis of Alzheimer's disease and frontotemporal dementia using structural and advanced MRI. <i>European Radiology</i> , 2017 , 27, 3372-3382	8	43
323	The effect of hippocampal function, volume and connectivity on posterior cingulate cortex functioning during episodic memory fMRI in mild cognitive impairment. <i>European Radiology</i> , 2017 , 27, 3716-3724	8	13
322	N-Terminal Pro-B-Type Natriuretic Peptide and Subclinical Brain Damage in the General Population. <i>Radiology</i> , 2017 , 283, 205-214	20.5	15
321	White matter lesions relate to tract-specific reductions in functional connectivity. <i>Neurobiology of Aging</i> , 2017 , 51, 97-103	5.6	24

320	Plasma Amyloid- β Levels, Cerebral Small Vessel Disease, and Cognition: The Rotterdam Study. <i>Journal of Alzheimer's Disease</i> , 2017 , 60, 977-987	4.3	26
319	The Missing Link in the Pathophysiology of Vascular Cognitive Impairment: Design of the Heart-Brain Study. <i>Cerebrovascular Diseases Extra</i> , 2017 , 7, 140-152	2.1	32
318	Retinal neurodegeneration and brain MRI markers: the Rotterdam Study. <i>Neurobiology of Aging</i> , 2017 , 60, 183-191	5.6	40
317	[P3048]: PLASMA AMYLOID BETA LEVELS, CEREBRAL SMALL-VESSEL DISEASES AND COGNITION: THE ROTTERDAM STUDY 2017 , 13, P1035-P1037		
316	Carotid Plaque Morphology and Ischemic Vascular Brain Disease on MRI. <i>American Journal of Neuroradiology</i> , 2017 , 38, 1776-1782	4.4	12
315	Using GOMS and NASA-TLX to Evaluate Human-Computer Interaction Process in Interactive Segmentation. <i>International Journal of Human-Computer Interaction</i> , 2017 , 33, 123-134	3.6	12
314	Automated Registration of Freehand B-Mode Ultrasound and Magnetic Resonance Imaging of the Carotid Arteries Based on Geometric Features. <i>Ultrasound in Medicine and Biology</i> , 2017 , 43, 273-285	3.5	3
313	A Hidden Markov Model for 3D Catheter Tip Tracking With 2D X-ray Catheterization Sequence and 3D Rotational Angiography. <i>IEEE Transactions on Medical Imaging</i> , 2017 , 36, 757-768	11.7	14
312	Randomly Perturbed B-Splines for Nonrigid Image Registration. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2017 , 39, 1401-1413	13.3	15
311	Change in Carotid Intraplaque Hemorrhage in Community-dwelling Subjects: A Follow-up Study Using Serial MR Imaging. <i>Radiology</i> , 2017 , 282, 526-533	20.5	14
310	Stochastic optimization with randomized smoothing for image registration. <i>Medical Image Analysis</i> , 2017 , 35, 146-158	15.4	5
309	Exome-sequencing in a large population-based study reveals a rare Asn396Ser variant in the LIPG gene associated with depressive symptoms. <i>Molecular Psychiatry</i> , 2017 , 22, 537-543	15.1	35
308	[P3006]: AUTOMATIC QUANTIFICATION OF BRAIN MRI TO IMPROVE THE DIAGNOSTIC WORKUP OF DEMENTIA IN MEMORY CLINIC PATIENTS 2017 , 13, P1119-P1120		
307	A Discriminative Event Based Model for Alzheimer's Disease Progression Modeling. <i>Lecture Notes in Computer Science</i> , 2017 , 121-133	0.9	8
306	Fully Automatic and Real-Time Catheter Segmentation in X-Ray Fluoroscopy. <i>Lecture Notes in Computer Science</i> , 2017 , 577-585	0.9	25
305	Evaluating Classifiers for Atherosclerotic Plaque Component Segmentation in MRI. <i>Communications in Computer and Information Science</i> , 2017 , 156-168	0.3	
304	Subcortical brain alterations in major depressive disorder: findings from the ENIGMA Major Depressive Disorder working group. <i>Molecular Psychiatry</i> , 2016 , 21, 806-12	15.1	589
303	Determinants of carotid atherosclerotic plaque burden in a stroke-free population. <i>Atherosclerosis</i> , 2016 , 255, 186-192	3.1	24

302	Structural Brain Alterations in Community Dwelling Individuals with Chronic Joint Pain. <i>American Journal of Neuroradiology</i> , 2016 , 37, 430-8	4.4	13
301	Observer variability of absolute and relative thrombus density measurements in patients with acute ischemic stroke. <i>Neuroradiology</i> , 2016 , 58, 133-9	3.2	23
300	Permeable Thrombi Are Associated With Higher Intravenous Recombinant Tissue-Type Plasminogen Activator Treatment Success in Patients With Acute Ischemic Stroke. <i>Stroke</i> , 2016 , 47, 2058-65	6.7	51
299	User Interaction in Semi-Automatic Segmentation of Organs at Risk: a Case Study in Radiotherapy. <i>Journal of Digital Imaging</i> , 2016 , 29, 264-77	5.3	21
298	Markers of cerebral small vessel disease and severity of depression in the general population. <i>Psychiatry Research - Neuroimaging</i> , 2016 , 253, 1-6	2.9	18
297	Tract-specific white matter microstructure and gait in humans. <i>Neurobiology of Aging</i> , 2016 , 43, 164-73	5.6	24
296	4D Ultrasound Tracking of Liver and its Verification for TIPS Guidance. <i>IEEE Transactions on Medical Imaging</i> , 2016 , 35, 52-62	11.7	8
295	Altered tract-specific white matter microstructure is related to poorer cognitive performance: The Rotterdam Study. <i>Neurobiology of Aging</i> , 2016 , 39, 108-17	5.6	60
294	Thrombus Permeability Is Associated With Improved Functional Outcome and Recanalization in Patients With Ischemic Stroke. <i>Stroke</i> , 2016 , 47, 732-41	6.7	76
293	PCA-based groupwise image registration for quantitative MRI. <i>Medical Image Analysis</i> , 2016 , 29, 65-78	15.4	84
292	White Matter Degeneration with Aging: Longitudinal Diffusion MR Imaging Analysis. <i>Radiology</i> , 2016 , 279, 532-41	20.5	60
291	Carotid Artery Wall Segmentation in Multispectral MRI by Coupled Optimal Surface Graph Cuts. <i>IEEE Transactions on Medical Imaging</i> , 2016 , 35, 901-11	11.7	21
290	Fastr: A Workflow Engine for Advanced Data Flows in Medical Image Analysis. <i>Frontiers in ICT</i> , 2016 , 3,	3.6	6
289	Design Issues of the Existing Radiotherapy Segmentation Software. <i>Proceedings of the International Symposium of Human Factors and Ergonomics in Healthcare</i> , 2016 , 5, 1-8	0.5	0
288	Automated Entire Thrombus Density Measurements for Robust and Comprehensive Thrombus Characterization in Patients with Acute Ischemic Stroke. <i>PLoS ONE</i> , 2016 , 11, e0145641	3.7	10
287	Non-Rigid Registration of Liver CT Images for CT-Guided Ablation of Liver Tumors. <i>PLoS ONE</i> , 2016 , 11, e0161600	3.7	14
286	Total Correlation-Based Groupwise Image Registration for Quantitative MRI 2016 ,		5
285	Association of Coffee Consumption with MRI Markers and Cognitive Function: A Population-Based Study. <i>Journal of Alzheimer's Disease</i> , 2016 , 53, 451-61	4.3	14

284	Heritability of the shape of subcortical brain structures in the general population. <i>Nature Communications</i> , 2016 , 7, 13738	17.4	47
283	P1-276: Anterior Commissure: Neuroanatomic and Cognitive Correlates in a Population-Based Study 2016 , 12, P523-P523		
282	O3-03-06: Grey Matter Density in Relation to Cognitive Function 2016 , 12, P288-P288		
281	Concurrent white and gray matter degeneration of disease-specific networks in early-stage Alzheimer's disease and behavioral variant frontotemporal dementia. <i>Neurobiology of Aging</i> , 2016 , 43, 119-28	5.6	15
280	Fine-mapping the effects of Alzheimer's disease risk loci on brain morphology. <i>Neurobiology of Aging</i> , 2016 , 48, 204-211	5.6	20
279	Response to Dr Fried & Dr Kievit, and Dr Malhi et al. <i>Molecular Psychiatry</i> , 2016 , 21, 726-8	15.1	0
278	Novel genetic loci underlying human intracranial volume identified through genome-wide association. <i>Nature Neuroscience</i> , 2016 , 19, 1569-1582	25.5	147
277	White Matter Microstructure Improves Stroke Risk Prediction in the General Population. <i>Stroke</i> , 2016 , 47, 2756-2762	6.7	16
276	Age-Dependent Effects of Methylphenidate on the Human Dopaminergic System in Young vs Adult Patients With Attention-Deficit/Hyperactivity Disorder: A Randomized Clinical Trial. <i>JAMA Psychiatry</i> , 2016 , 73, 955-62	14.5	41
275	Lower microstructural integrity of brain white matter is related to higher mortality. <i>Neurology</i> , 2016 , 87, 927-34	6.5	16
274	Retinal microvasculature and white matter microstructure: The Rotterdam Study. <i>Neurology</i> , 2016 , 87, 1003-10	6.5	22
273	Association of Alzheimer's disease GWAS loci with MRI markers of brain aging. <i>Neurobiology of Aging</i> , 2015 , 36, 1765.e7-1765.e16	5.6	63
272	Fast and robust 3D ultrasound registration--block and game theoretic matching. <i>Medical Image Analysis</i> , 2015 , 20, 173-83	15.4	27
271	MRI integration into treatment planning of head and neck tumors: Can patient immobilization be avoided?. <i>Radiotherapy and Oncology</i> , 2015 , 115, 191-4	5.3	12
270	The role of the posterior fossa in developing Chiari I malformation in children with craniosynostosis syndromes. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2015 , 43, 813-9	3.6	21
269	Validation of renal artery dimensions measured by magnetic resonance angiography in patients referred for renal sympathetic denervation. <i>Academic Radiology</i> , 2015 , 22, 1106-14	4.3	1
268	Tract-specific white matter degeneration in aging: the Rotterdam Study. <i>Alzheimer's and Dementia</i> , 2015 , 11, 321-30	1.2	127
267	Epicardial fat volume is related to atherosclerotic calcification in multiple vessel beds. <i>European Heart Journal Cardiovascular Imaging</i> , 2015 , 16, 1264-9	4.1	39

266	Subclinical cardiac dysfunction increases the risk of stroke and dementia: the Rotterdam Study. <i>Neurology</i> , 2015 , 84, 833-40	6.5	30
265	IT Infrastructure to support the secondary use of routinely acquired clinical imaging data for research. <i>Neuroinformatics</i> , 2015 , 13, 65-81	3.2	7
264	Multiethnic genome-wide association study of cerebral white matter hyperintensities on MRI. <i>Circulation: Cardiovascular Genetics</i> , 2015 , 8, 398-409		119
263	The use of atlas registration and graph cuts for prostate segmentation in magnetic resonance images. <i>Medical Physics</i> , 2015 , 42, 1614-24	4.4	21
262	Continuous roadmapping in liver TACE procedures using 2D-3D catheter-based registration. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2015 , 10, 1357-70	3.9	11
261	The bidirectional association between reduced cerebral blood flow and brain atrophy in the general population. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015 , 35, 1882-7	7.3	35
260	White Matter Lesion Progression: Genome-Wide Search for Genetic Influences. <i>Stroke</i> , 2015 , 46, 3048-57	6.7	18
259	An automatic registration method for pre- and post-interventional CT images for assessing treatment success in liver RFA treatment. <i>Medical Physics</i> , 2015 , 42, 5559-67	4.4	16
258	Retinal neurodegeneration on optical coherence tomography and cerebral atrophy. <i>Neuroscience Letters</i> , 2015 , 584, 12-6	3.3	67
257	Semi-automatic MRI segmentation and volume quantification of intra-plaque hemorrhage. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2015 , 10, 67-74	3.9	4
256	Risk Factors and Consequences of Cortical Thickness in an Asian Population. <i>Medicine (United States)</i> , 2015 , 94, e852	1.8	14
255	Subcortical Atrophy in Cognitive Impairment and Dementia. <i>Journal of Alzheimer's Disease</i> , 2015 , 48, 813-23	4.3	23
254	Sarcopenia impairs survival in patients with potentially curable hepatocellular carcinoma. <i>Journal of Surgical Oncology</i> , 2015 , 112, 208-13	2.8	57
253	Automatic tissue segmentation of head and neck MR images for hyperthermia treatment planning. <i>Physics in Medicine and Biology</i> , 2015 , 60, 6547-62	3.8	16
252	Multiple Sparse Representations Classification. <i>PLoS ONE</i> , 2015 , 10, e0131968	3.7	6
251	Integrated Analysis and Visualization of Group Differences in Structural and Functional Brain Connectivity: Applications in Typical Ageing and Schizophrenia. <i>PLoS ONE</i> , 2015 , 10, e0137484	3.7	3
250	Intracranial stenosis, cerebrovascular diseases, and cognitive impairment in chinese. <i>Alzheimer Disease and Associated Disorders</i> , 2015 , 29, 12-7	2.5	27
249	Multi-Center MRI Carotid Plaque Component Segmentation Using Feature Normalization and Transfer Learning. <i>IEEE Transactions on Medical Imaging</i> , 2015 , 34, 1294-305	11.7	19

248	Feature Selection Based on the SVM Weight Vector for Classification of Dementia. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2015 , 19, 1617-1626	7.2	65
247	The Rotterdam Scan Study: design update 2016 and main findings. <i>European Journal of Epidemiology</i> , 2015 , 30, 1299-315	12.1	131
246	Standardized evaluation of algorithms for computer-aided diagnosis of dementia based on structural MRI: the CADDementia challenge. <i>NeuroImage</i> , 2015 , 111, 562-79	7.9	193
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2	Grey Matter Age Prediction as a Biomarker for Risk of Dementia: A Population-based Study		5
1	Automated differentiation of malignant and benign primary solid liver lesions on MRI: an externally validated radiomics model		1