

N Jon Shah

List of Publications by Citations

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515
papers

20,769
citations

75
h-index

125
g-index

574
ext. papers

23,743
ext. citations

4.8
avg, IF

6.62
L-index

#	Paper	IF	Citations
515	Mind reading: neural mechanisms of theory of mind and self-perspective. <i>NeuroImage</i> , 2001 , 14, 170-81	7.9	868
514	Cytoarchitectonic mapping of the human amygdala, hippocampal region and entorhinal cortex: intersubject variability and probability maps. <i>Anatomy and Embryology</i> , 2005 , 210, 343-52		845
513	Polymodal motion processing in posterior parietal and premotor cortex: a human fMRI study strongly implies equivalencies between humans and monkeys. <i>Neuron</i> , 2001 , 29, 287-96	13.9	650
512	BigBrain: an ultrahigh-resolution 3D human brain model. <i>Science</i> , 2013 , 340, 1472-5	33.3	407
511	Gender differences in brain networks supporting empathy. <i>NeuroImage</i> , 2008 , 42, 393-403	7.9	368
510	Recognition of emotional prosody and verbal components of spoken language: an fMRI study. <i>Cognitive Brain Research</i> , 2000 , 9, 227-38		362
509	Being with virtual others: Neural correlates of social interaction. <i>Neuropsychologia</i> , 2006 , 44, 718-30	3.2	356
508	Analysis of neural mechanisms underlying verbal fluency in cytoarchitectonically defined stereotaxic space--the roles of Brodmann areas 44 and 45. <i>NeuroImage</i> , 2004 , 22, 42-56	7.9	343
507	Line bisection judgments implicate right parietal cortex and cerebellum as assessed by fMRI. <i>Neurology</i> , 2000 , 54, 1324-31	6.5	323
506	Minds made for sharing: initiating joint attention recruits reward-related neurocircuitry. <i>Journal of Cognitive Neuroscience</i> , 2010 , 22, 2702-15	3.1	319
505	Prefrontal involvement in imitation learning of hand actions: effects of practice and expertise. <i>NeuroImage</i> , 2007 , 37, 1371-83	7.9	270
504	Subcortical correlates of craving in recently abstinent alcoholic patients. <i>American Journal of Psychiatry</i> , 2001 , 158, 1075-83	11.9	249
503	Cortical activations during paced finger-tapping applying visual and auditory pacing stimuli. <i>Cognitive Brain Research</i> , 2000 , 10, 51-66		236
502	Cortical activations in primary and secondary motor areas for complex bimanual movements in professional pianists. <i>Cognitive Brain Research</i> , 2000 , 10, 177-83		235
501	Gender differences in the cognitive control of emotion: An fMRI study. <i>Neuropsychologia</i> , 2007 , 45, 2744-54	3.54	231
500	The neural correlates of person familiarity. A functional magnetic resonance imaging study with clinical implications. <i>Brain</i> , 2001 , 124, 804-15	11.2	221
499	Neural representations of self versus other: visual-spatial perspective taking and agency in a virtual ball-tossing game. <i>Journal of Cognitive Neuroscience</i> , 2006 , 18, 898-910	3.1	216

498	Attention modulates activity in the primary and the secondary auditory cortex: a functional magnetic resonance imaging study in human subjects. <i>Neuroscience Letters</i> , 1999 , 266, 125-8	3.3	210
497	Advances in neuro-oncology imaging. <i>Nature Reviews Neurology</i> , 2017 , 13, 279-289	15	185
496	Probabilistic fibre tract analysis of cytoarchitectonically defined human inferior parietal lobule areas reveals similarities to macaques. <i>NeuroImage</i> , 2011 , 58, 362-80	7.9	181
495	Performing allocentric visuospatial judgments with induced distortion of the egocentric reference frame: an fMRI study with clinical implications. <i>NeuroImage</i> , 2003 , 20, 1505-17	7.9	171
494	Impairment in the specificity of emotion processing in schizophrenia. <i>American Journal of Psychiatry</i> , 2006 , 163, 442-7	11.9	166
493	Same or different? Neural correlates of happy and sad mood in healthy males. <i>NeuroImage</i> , 2005 , 26, 206-14	7.9	163
492	Blood-brain barrier permeability abnormalities in vascular cognitive impairment. <i>Stroke</i> , 2011 , 42, 2158-67	6.7	160
491	Intensity coding of auditory stimuli: an fMRI study. <i>Neuropsychologia</i> , 1998 , 36, 875-83	3.2	150
490	Human cortical connectome reconstruction from diffusion weighted MRI: the effect of tractography algorithm. <i>NeuroImage</i> , 2012 , 62, 1732-49	7.9	143
489	A fronto-parietal circuit for tactile object discrimination: an event-related fMRI study. <i>NeuroImage</i> , 2003 , 19, 1103-14	7.9	142
488	Role of O-(2-(18)F-fluoroethyl)-L-tyrosine PET for differentiation of local recurrent brain metastasis from radiation necrosis. <i>Journal of Nuclear Medicine</i> , 2012 , 53, 1367-74	8.9	140
487	The extrastriate cortex distinguishes between the consequences of one's own and others' behavior. <i>NeuroImage</i> , 2007 , 36, 1004-14	7.9	137
486	Response assessment of bevacizumab in patients with recurrent malignant glioma using [18F]Fluoroethyl-L-tyrosine PET in comparison to MRI. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2013 , 40, 22-33	8.8	136
485	Representation of interaural temporal information from left and right auditory space in the human planum temporale and inferior parietal lobe. <i>Cerebral Cortex</i> , 2005 , 15, 317-24	5.1	133
484	Emotional processing in male adolescents with childhood-onset conduct disorder. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2008 , 49, 781-91	7.9	131
483	Neural correlates of working memory dysfunction in first-episode schizophrenia patients: an fMRI multi-center study. <i>Schizophrenia Research</i> , 2007 , 89, 198-210	3.6	130
482	Cortical representations of personally familiar objects and places: functional organization of the human posterior cingulate cortex. <i>Journal of Cognitive Neuroscience</i> , 2005 , 17, 183-98	3.1	130
481	The role of the inferior parietal cortex in linking the tactile perception and manual construction of object shapes. <i>Cerebral Cortex</i> , 2001 , 11, 114-21	5.1	127

480	Increased neural response related to neutral faces in individuals at risk for psychosis. <i>NeuroImage</i> , 2008 , 40, 289-97	7.9	120
479	Focused and nonfocused attention in verbal and emotional dichotic listening: an fMRI study. <i>Brain and Language</i> , 2001 , 78, 349-63	2.9	120
478	Does dichotic listening probe temporal lobe functions?. <i>Neurology</i> , 2002 , 58, 736-43	6.5	118
477	Duration matters: dissociating neural correlates of detection and evaluation of social gaze. <i>NeuroImage</i> , 2009 , 46, 1154-63	7.9	116
476	Neural activity in human primary motor cortex areas 4a and 4p is modulated differentially by attention to action. <i>Journal of Neurophysiology</i> , 2002 , 88, 514-9	3.2	115
475	Effect of CACNA1C rs1006737 on neural correlates of verbal fluency in healthy individuals. <i>NeuroImage</i> , 2010 , 49, 1831-6	7.9	113
474	High resolution BrainPET combined with simultaneous MRI. <i>Nuklearmedizin - NuclearMedicine</i> , 2011 , 50, 74-82	1.8	109
473	Imaging the where and when of tic generation and resting state networks in adult Tourette patients. <i>Frontiers in Human Neuroscience</i> , 2014 , 8, 362	3.3	105
472	Quantitative cerebral water content mapping in hepatic encephalopathy. <i>NeuroImage</i> , 2008 , 41, 706-17	7.9	105
471	Hyperpolarized xenon in NMR and MRI. <i>Physics in Medicine and Biology</i> , 2004 , 49, R105-53	3.8	103
470	Assessment of reliability in functional imaging studies. <i>Journal of Magnetic Resonance Imaging</i> , 2003 , 17, 463-71	5.6	103
469	Tapping movements according to regular and irregular visual timing signals investigated with fMRI. <i>NeuroReport</i> , 2000 , 11, 1301-6	1.7	103
468	The use of dynamic O-(2-18F-fluoroethyl)-L-tyrosine PET in the diagnosis of patients with progressive and recurrent glioma. <i>Neuro-Oncology</i> , 2015 , 17, 1293-300	1	100
467	Comparison of cerebral blood flow acquired by simultaneous [15O]water positron emission tomography and arterial spin labeling magnetic resonance imaging. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014 , 34, 1373-80	7.3	100
466	Fear processing and social networking in the absence of a functional amygdala. <i>Biological Psychiatry</i> , 2012 , 72, 70-7	7.9	97
465	Neural correlates of emotion recognition in schizophrenia. <i>Schizophrenia Research</i> , 2010 , 122, 113-23	3.6	96
464	Role of O-(2-18F-fluoroethyl)-L-tyrosine PET as a diagnostic tool for detection of malignant progression in patients with low-grade glioma. <i>Journal of Nuclear Medicine</i> , 2013 , 54, 2046-54	8.9	94
463	A parametric analysis of the Gate effect on the sensorimotor cortex: a functional magnetic resonance imaging analysis in human subjects. <i>Neuroscience Letters</i> , 1998 , 252, 37-40	3.3	94

462	Automated quality assurance routines for fMRI data applied to a multicenter study. <i>Human Brain Mapping</i> , 2005 , 25, 237-46	5.9	94
461	Fully-automated detection of cerebral water content changes: study of age- and gender-related H2O patterns with quantitative MRI. <i>NeuroImage</i> , 2006 , 29, 910-22	7.9	92
460	Comparison of 18F-FET PET and perfusion-weighted MR imaging: a PET/MR imaging hybrid study in patients with brain tumors. <i>Journal of Nuclear Medicine</i> , 2014 , 55, 540-5	8.9	91
459	A new method for fast quantitative mapping of absolute water content in vivo. <i>NeuroImage</i> , 2006 , 31, 1156-68	7.9	90
458	Neuronal correlates of facial emotion discrimination in early onset schizophrenia. <i>Neuropsychopharmacology</i> , 2009 , 34, 477-87	8.7	87
457	Topographic segregation and convergence of verbal, object, shape and spatial working memory in humans. <i>Neuroscience Letters</i> , 2002 , 323, 156-60	3.3	87
456	Centric scan SPRITE magnetic resonance imaging: optimization of SNR, resolution, and relaxation time mapping. <i>Journal of Magnetic Resonance</i> , 2004 , 169, 102-17	3	86
455	Genetic load on amygdala hypofunction during sadness in nonaffected brothers of schizophrenia patients. <i>American Journal of Psychiatry</i> , 2004 , 161, 1806-13	11.9	84
454	Multiple movement representations in the human brain: an event-related fMRI study. <i>Journal of Cognitive Neuroscience</i> , 2002 , 14, 769-84	3.1	84
453	The default mode network and EEG regional spectral power: a simultaneous fMRI-EEG study. <i>PLoS ONE</i> , 2014 , 9, e88214	3.7	84
452	Effects of a CACNA1C genotype on attention networks in healthy individuals. <i>Psychological Medicine</i> , 2011 , 41, 1551-61	6.9	82
451	Fast quantitative mapping of absolute water content with full brain coverage. <i>NeuroImage</i> , 2008 , 42, 1094-109	7.9	81
450	A functional magnetic resonance imaging study of local/global processing with stimulus presentation in the peripheral visual hemifields. <i>Neuroscience</i> , 2004 , 124, 113-20	3.9	81
449	Combined FET PET/MRI radiomics differentiates radiation injury from recurrent brain metastasis. <i>NeuroImage: Clinical</i> , 2018 , 20, 537-542	5.3	79
448	Amygdala control of emotion-induced forgetting and remembering: evidence from Urbach-Wiethe disease. <i>Neuropsychologia</i> , 2007 , 45, 877-84	3.2	78
447	P01.014 Spatial correlation of FET uptake and MRI contrast enhancement in newly diagnosed glioblastoma patients prior to treatment. <i>Neuro-Oncology</i> , 2018 , 20, iii231-iii231	1	78
446	PET/MRI Radiomics in Patients With Brain Metastases. <i>Frontiers in Neurology</i> , 2020 , 11, 1	4.1	77
445	High-performance computing MRI simulations. <i>Magnetic Resonance in Medicine</i> , 2010 , 64, 186-93	4.4	77

444	Human V5/MT+: comparison of functional and cytoarchitectonic data. <i>Anatomy and Embryology</i> , 2005 , 210, 485-95		76
443	Influence of acoustic masking noise in fMRI of the auditory cortex during phonetic discrimination. <i>Journal of Magnetic Resonance Imaging</i> , 1999 , 9, 19-25	5.6	76
442	White-matter abnormalities in Tourette syndrome extend beyond motor pathways. <i>NeuroImage</i> , 2010 , 51, 1184-93	7.9	75
441	Differential uptake of O-(2-18F-fluoroethyl)-L-tyrosine, L-3H-methionine, and 3H-deoxyglucose in brain abscesses. <i>Journal of Nuclear Medicine</i> , 2007 , 48, 2056-62	8.9	73
440	Static and dynamic F-FET PET for the characterization of gliomas defined by IDH and 1p/19q status. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2018 , 45, 443-451	8.8	73
439	Quantitative measurement of blood-brain barrier permeability in human using dynamic contrast-enhanced MRI with fast T1 mapping. <i>Magnetic Resonance in Medicine</i> , 2011 , 65, 1036-42	4.4	72
438	The N-methyl-D-aspartate receptor co-agonist D-cycloserine facilitates declarative learning and hippocampal activity in humans. <i>Biological Psychiatry</i> , 2010 , 67, 1205-11	7.9	72
437	Left and right superior parietal lobule in tactile object discrimination. <i>European Journal of Neuroscience</i> , 2004 , 19, 1067-72	3.5	72
436	Dynamic O-(2-18F-fluoroethyl)-L-tyrosine positron emission tomography differentiates brain metastasis recurrence from radiation injury after radiotherapy. <i>Neuro-Oncology</i> , 2017 , 19, 281-288	1	69
435	A new method for fast multislice T(1) mapping. <i>NeuroImage</i> , 2001 , 14, 1175-85	7.9	66
434	Dual-time-point O-(2-[(18)F]fluoroethyl)-L-tyrosine PET for grading of cerebral gliomas. <i>European Radiology</i> , 2015 , 25, 3017-24	8	65
433	Changes in Soil Water Content Resulting from Ricinus Root Uptake Monitored by Magnetic Resonance Imaging. <i>Vadose Zone Journal</i> , 2008 , 7, 1010-1017	2.7	64
432	The precuneus and the insula in self-attributional processes. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2013 , 13, 330-45	3.5	63
431	Neural substrates of olfactory processing in schizophrenia patients and their healthy relatives. <i>Psychiatry Research - Neuroimaging</i> , 2007 , 155, 103-12	2.9	63
430	Radiation injury vs. recurrent brain metastasis: combining textural feature radiomics analysis and standard parameters may increase F-FET PET accuracy without dynamic scans. <i>European Radiology</i> , 2017 , 27, 2916-2927	8	62
429	Differential involvement of the posterior temporal cortex in mentalizing but not perspective taking. <i>Social Cognitive and Affective Neuroscience</i> , 2008 , 3, 279-89	4	62
428	Practical design of a 4 Tesla double-tuned RF surface coil for interleaved 1H and 23Na MRI of rat brain. <i>Journal of Magnetic Resonance</i> , 2006 , 181, 203-11	3	62
427	Top-down and bottom-up modulation of language related areas--an fMRI study. <i>BMC Neuroscience</i> , 2003 , 4, 13	3.2	62

426	Training of affect recognition in schizophrenia: Neurobiological correlates. <i>Social Neuroscience</i> , 2010 , 5, 92-104	2	61
425	Differential brain activation during facial emotion discrimination in first-episode schizophrenia. <i>Journal of Psychiatric Research</i> , 2009 , 43, 592-9	5.2	61
424	Dependence of amygdala activation on echo time: results from olfactory fMRI experiments. <i>NeuroImage</i> , 2006 , 30, 151-9	7.9	61
423	Fast T(1) mapping with volume coverage. <i>Magnetic Resonance in Medicine</i> , 2001 , 46, 131-40	4.4	61
422	Studying variability in human brain aging in a population-based German cohort-rationale and design of 1000BRAINS. <i>Frontiers in Aging Neuroscience</i> , 2014 , 6, 149	5.3	60
421	Altered resting-state connectivity in Huntington's disease. <i>Human Brain Mapping</i> , 2014 , 35, 2582-93	5.9	59
420	Where depends on what? A differential functional anatomy for position discrimination in one-versus two-dimensions. <i>Neuropsychologia</i> , 2000 , 38, 1741-8	3.2	59
419	Stability of emotional dysfunctions? A long-term fMRI study in first-episode schizophrenia. <i>Journal of Psychiatric Research</i> , 2007 , 41, 918-27	5.2	57
418	Quantitative T1 mapping of hepatic encephalopathy using magnetic resonance imaging. <i>Hepatology</i> , 2003 , 38, 1219-26	11.2	56
417	Predicting IDH genotype in gliomas using FET PET radiomics. <i>Scientific Reports</i> , 2018 , 8, 13328	4.9	56
416	Can the apparent diffusion coefficient be used as a noninvasive parameter to distinguish tumor tissue from peritumoral tissue in cerebral gliomas?. <i>Journal of Magnetic Resonance Imaging</i> , 2004 , 20, 758-64	5.6	55
415	The network of brain areas involved in the motion aftereffect. <i>NeuroImage</i> , 2000 , 11, 257-70	7.9	55
414	Improved nTMS- and DTI-derived CST tractography through anatomical ROI seeding on anterior pontine level compared to internal capsule. <i>NeuroImage: Clinical</i> , 2015 , 7, 424-37	5.3	54
413	Multimodal imaging utilising integrated MR-PET for human brain tumour assessment. <i>European Radiology</i> , 2012 , 22, 2568-80	8	54
412	Bone regeneration induced by a 3D architected hydrogel in a rat critical-size calvarial defect. <i>Biomaterials</i> , 2017 , 113, 158-169	15.6	51
411	Consistent neurodegeneration and its association with clinical progression in Huntington's disease: a coordinate-based meta-analysis. <i>Neurodegenerative Diseases</i> , 2013 , 12, 23-35	2.3	51
410	Increased brain tissue sodium concentration in Huntington's Disease - a sodium imaging study at 4 T. <i>NeuroImage</i> , 2012 , 63, 517-24	7.9	50
409	Magnetic field dependence of the distribution of NMR relaxation times in the living human brain. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2008 , 21, 131-47	2.8	50

408	Advances in multimodal neuroimaging: hybrid MR-PET and MR-PET-EEG at 3 T and 9.4 T. <i>Journal of Magnetic Resonance</i> , 2013 , 229, 101-15	3	49
407	Non-Gaussian diffusion imaging for enhanced contrast of brain tissue affected by ischemic stroke. <i>PLoS ONE</i> , 2014 , 9, e89225	3.7	49
406	Genetic variation in the schizophrenia-risk gene neuregulin 1 correlates with brain activation and impaired speech production in a verbal fluency task in healthy individuals. <i>Human Brain Mapping</i> , 2009 , 30, 3406-16	5.9	49
405	Visuospatial working memory and changes of the point of view in 3D space. <i>NeuroImage</i> , 2007 , 36, 955-68.9	6.9	49
404	Differential uptake of [18F]FET and [3H]l-methionine in focal cortical ischemia. <i>Nuclear Medicine and Biology</i> , 2006 , 33, 1029-35	2.1	49
403	Functional anatomy and differential time courses of neural processing for explicit, inferred, and illusory contours. An event-related fMRI study. <i>NeuroImage</i> , 2003 , 19, 1567-77	7.9	49
402	Neuronal correlates of encoding and retrieval in episodic memory during a paired-word association learning task: a functional magnetic resonance imaging study. <i>Experimental Brain Research</i> , 1999 , 128, 332-42	2.3	49
401	Cerebral dysfunctions of emotion-cognition interactions in adolescent-onset schizophrenia. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2008 , 47, 1299-310	7.2	48
400	Deformation field morphometry reveals age-related structural differences between the brains of adults up to 51 years. <i>Journal of Neuroscience</i> , 2008 , 28, 828-42	6.6	48
399	The usefulness of dynamic O-(2-18F-fluoroethyl)-L-tyrosine PET in the clinical evaluation of brain tumors in children and adolescents. <i>Journal of Nuclear Medicine</i> , 2015 , 56, 88-92	8.9	47
398	Non-Gaussian diffusion in human brain tissue at high b-factors as examined by a combined diffusion kurtosis and biexponential diffusion tensor analysis. <i>NeuroImage</i> , 2011 , 57, 1087-102	7.9	47
397	Volumetric assessment of recurrent or progressive gliomas: comparison between F-DOPA PET and perfusion-weighted MRI. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2015 , 42, 905-15	8.8	45
396	Diffusion kurtosis imaging and log-normal distribution function imaging enhance the visualisation of lesions in animal stroke models. <i>NMR in Biomedicine</i> , 2012 , 25, 1295-304	4.4	45
395	The influence of olfactory-induced negative emotion on verbal working memory: individual differences in neurobehavioral findings. <i>Brain Research</i> , 2007 , 1152, 158-70	3.7	45
394	The effect of sequence repeat time on auditory cortex stimulation during phonetic discrimination. <i>NeuroImage</i> , 2000 , 12, 100-8	7.9	45
393	Hybrid 18F-FDG PET-MRI of the hand in rheumatoid arthritis: initial results. <i>Clinical Rheumatology</i> , 2011 , 30, 1247-50	3.9	44
392	Genetic variation in the schizophrenia-risk gene neuregulin1 correlates with differences in frontal brain activation in a working memory task in healthy individuals. <i>NeuroImage</i> , 2008 , 42, 1569-76	7.9	44
391	Differential brain activation according to chronic social reward frustration. <i>NeuroReport</i> , 2005 , 16, 1899-903	9.3	44

390	Amino acid PET and MR perfusion imaging in brain tumours. <i>Clinical and Translational Imaging</i> , 2017 , 5, 209-223	2	43
389	Clinical predictors of individual cognitive fluctuations in patients undergoing hemodialysis. <i>American Journal of Kidney Diseases</i> , 2014 , 64, 434-42	7.4	43
388	High- T_{c} DC SQUIDs for Magnetoencephalography. <i>IEEE Transactions on Applied Superconductivity</i> , 2013 , 23, 1600705-1600705	1.8	43
387	Single-trial P3 amplitude and latency informed event-related fMRI models yield different BOLD response patterns to a target detection task. <i>NeuroImage</i> , 2009 , 47, 1532-44	7.9	43
386	Analysis of proton-density bias corrections based on T1 measurement for robust quantification of water content in the brain at 3 Tesla. <i>Magnetic Resonance in Medicine</i> , 2014 , 72, 1735-45	4.4	42
385	Eyes on me: an fMRI study of the effects of social gaze on action control. <i>Social Cognitive and Affective Neuroscience</i> , 2011 , 6, 393-403	4	42
384	From simultaneous to synergistic MR-PET brain imaging: A review of hybrid MR-PET imaging methodologies. <i>Human Brain Mapping</i> , 2018 , 39, 5126-5144	5.9	41
383	Comparison of F-FET PET and perfusion-weighted MRI for glioma grading: a hybrid PET/MR study. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2017 , 44, 2257-2265	8.8	41
382	High-TcSQUID biomagnetometers. <i>Superconductor Science and Technology</i> , 2017 , 30, 083001	3.1	41
381	Associating colours with people: a case of chromatic-lexical synaesthesia. <i>Cortex</i> , 2001 , 37, 750-3	3.8	40
380	Disentangling the prefrontal network for rule selection by means of a non-verbal variant of the Wisconsin Card Sorting Test. <i>Human Brain Mapping</i> , 2009 , 30, 1734-43	5.9	38
379	Electrophysiology meets fMRI: neural correlates of the startle reflex assessed by simultaneous EMG-fMRI data acquisition. <i>Human Brain Mapping</i> , 2010 , 31, 1675-85	5.9	38
378	Shared k-space echo planar imaging with keyhole. <i>Magnetic Resonance in Medicine</i> , 2001 , 45, 109-17	4.4	38
377	Radiomics in neuro-oncology: Basics, workflow, and applications. <i>Methods</i> , 2021 , 188, 112-121	4.6	38
376	"Early to bed, early to rise": diffusion tensor imaging identifies chronotype-specificity. <i>NeuroImage</i> , 2014 , 84, 428-34	7.9	37
375	Error reduction and parameter optimization of the TAPIR method for fast T1 mapping. <i>Magnetic Resonance in Medicine</i> , 2003 , 49, 1121-32	4.4	37
374	Proton magnetization enhancement of solvents with hyperpolarized xenon in very low-magnetic fields. <i>Chemical Physics Letters</i> , 2001 , 348, 263-269	2.5	37
373	Fully-3D PET image reconstruction using scanner-independent, adaptive projection data and highly rotation-symmetric voxel assemblies. <i>IEEE Transactions on Medical Imaging</i> , 2011 , 30, 879-92	11.7	36

372	Optimised in vivo visualisation of cortical structures in the human brain at 3 T using IR-TSE. <i>Magnetic Resonance Imaging</i> , 2008 , 26, 935-42	3.3	36
371	Deriving numerosity and shape from identical visual displays. <i>NeuroImage</i> , 2001 , 13, 46-55	7.9	36
370	Impact of schizophrenia-risk gene dysbindin 1 on brain activation in bilateral middle frontal gyrus during a working memory task in healthy individuals. <i>Human Brain Mapping</i> , 2010 , 31, 266-75	5.9	35
369	Central adaptation following heterotopic hand replantation probed by fMRI and effective connectivity analysis. <i>Experimental Neurology</i> , 2008 , 212, 132-44	5.7	35
368	The effect of switching between sequential and repetitive movements on cortical activation. <i>NeuroImage</i> , 2000 , 12, 528-37	7.9	35
367	MR-based PET motion correction procedure for simultaneous MR-PET neuroimaging of human brain. <i>PLoS ONE</i> , 2012 , 7, e48149	3.7	35
366	Functional MRI vs. navigated TMS to optimize M1 seed volume delineation for DTI tractography. A prospective study in patients with brain tumours adjacent to the corticospinal tract. <i>NeuroImage: Clinical</i> , 2017 , 13, 297-309	5.3	34
365	Novel multisection design of anisotropic diffusion phantoms. <i>Magnetic Resonance Imaging</i> , 2012 , 30, 518-26	3.3	34
364	Simultaneous single-quantum and triple-quantum-filtered MRI of ²³ Na (SISTINA). <i>Magnetic Resonance in Medicine</i> , 2013 , 69, 1691-6	4.4	34
363	A comparison of three SPRITE techniques for the quantitative 3D imaging of the ²³ Na spin density on a 4T whole-body machine. <i>Journal of Magnetic Resonance</i> , 2006 , 179, 64-72	3	34
362	Hearing syllables by seeing visual stimuli. <i>European Journal of Neuroscience</i> , 2004 , 19, 2603-8	3.5	34
361	FET PET reveals considerable spatial differences in tumour burden compared to conventional MRI in newly diagnosed glioblastoma. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2019 , 46, 591-602	8.8	34
360	Spatially variable Rician noise in magnetic resonance imaging. <i>Medical Image Analysis</i> , 2012 , 16, 536-48	15.4	33
359	fMRI reveals cognitive and emotional processing in a long-term comatose patient. <i>Experimental Neurology</i> , 2008 , 214, 240-6	5.7	33
358	The time course of the BOLD response in the human auditory cortex to acoustic stimuli of different duration. <i>Cognitive Brain Research</i> , 1999 , 8, 117-24		33
357	Imaging of sodium in the brain: a brief review. <i>NMR in Biomedicine</i> , 2016 , 29, 162-74	4.4	33
356	Diffusion kurtosis metrics as biomarkers of microstructural development: A comparative study of a group of children and a group of adults. <i>NeuroImage</i> , 2017 , 144, 12-22	7.9	32
355	Neural correlates of impaired emotion processing in manifest Huntington's disease. <i>Social Cognitive and Affective Neuroscience</i> , 2014 , 9, 671-80	4	32

354	Multicenter study of subjective acceptance during magnetic resonance imaging at 7 and 9.4 T. <i>Investigative Radiology</i> , 2014 , 49, 249-59	10.1	32
353	Functional neuroanatomy of tics. <i>International Review of Neurobiology</i> , 2013 , 112, 35-71	4.4	32
352	Microstructure assessment of grey matter nuclei in adult tourette patients by diffusion tensor imaging. <i>Neuroscience Letters</i> , 2011 , 487, 22-6	3.3	32
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