

N Jon Shah

List of Publications by Year in descending order

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551
papers

25,755
citations

6233

80
h-index

11288

136
g-index

574
all docs

574
docs citations

574
times ranked

24647
citing authors

#	ARTICLE	IF	CITATIONS
1	Cytoarchitectonic mapping of the human amygdala, hippocampal region and entorhinal cortex: intersubject variability and probability maps. <i>Anatomy and Embryology</i> , 2005, 210, 343-352.	1.5	1,041
2	Mind Reading: Neural Mechanisms of Theory of Mind and Self-Perspective. <i>NeuroImage</i> , 2001, 14, 170-181.	2.1	989
3	Polymodal Motion Processing in Posterior Parietal and Premotor Cortex. <i>Neuron</i> , 2001, 29, 287-296.	3.8	719
4	BigBrain: An Ultrahigh-Resolution 3D Human Brain Model. <i>Science</i> , 2013, 340, 1472-1475.	6.0	673
5	Gender differences in brain networks supporting empathy. <i>NeuroImage</i> , 2008, 42, 393-403.	2.1	434
6	Recognition of emotional prosody and verbal components of spoken language: an fMRI study. <i>Cognitive Brain Research</i> , 2000, 9, 227-238.	3.3	412
7	Being with virtual others: Neural correlates of social interaction. <i>Neuropsychologia</i> , 2006, 44, 718-730.	0.7	412
8	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.	2.1	406
9	Minds Made for Sharing: Initiating Joint Attention Recruits Reward-related Neurocircuitry. <i>Journal of Cognitive Neuroscience</i> , 2010, 22, 2702-2715.	1.1	389
10	Line bisection judgments implicate right parietal cortex and cerebellum as assessed by fMRI. <i>Neurology</i> , 2000, 54, 1324-1331.	1.5	351
11	Prefrontal involvement in imitation learning of hand actions: Effects of practice and expertise. <i>NeuroImage</i> , 2007, 37, 1371-1383.	2.1	301
12	Subcortical Correlates of Craving in Recently Abstinent Alcoholic Patients. <i>American Journal of Psychiatry</i> , 2001, 158, 1075-1083.	4.0	293
13	The neural correlates of person familiarity: A functional magnetic resonance imaging study with clinical implications. <i>Brain</i> , 2001, 124, 804-815.	3.7	270
14	Cortical activations during paced finger-tapping applying visual and auditory pacing stimuli. <i>Cognitive Brain Research</i> , 2000, 10, 51-66.	3.3	266
15	Cortical activations in primary and secondary motor areas for complex bimanual movements in professional pianists. <i>Cognitive Brain Research</i> , 2000, 10, 177-183.	3.3	265
16	Advances in neuro-oncology imaging. <i>Nature Reviews Neurology</i> , 2017, 13, 279-289.	4.9	264
17	Gender differences in the cognitive control of emotion: An fMRI study. <i>Neuropsychologia</i> , 2007, 45, 2744-2754.	0.7	260
18	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.	1.1	245

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19	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, 125-128.	1.0	231
20	Probabilistic fibre tract analysis of cytoarchitectonically defined human inferior parietal lobule areas reveals similarities to macaques. <i>NeuroImage</i> , 2011, 58, 362-380.	2.1	216
21	PET/MRI Radiomics in Patients With Brain Metastases. <i>Frontiers in Neurology</i> , 2020, 11, 1.	1.1	210
22	Bloodâ€“Brain Barrier Permeability Abnormalities in Vascular Cognitive Impairment. <i>Stroke</i> , 2011, 42, 2158-2163.	1.0	209
23	Performing allocentric visuospatial judgments with induced distortion of the egocentric reference frame: an fMRI study with clinical implications. <i>NeuroImage</i> , 2003, 20, 1505-1517.	2.1	192
24	Impairment in the Specificity of Emotion Processing in Schizophrenia. <i>American Journal of Psychiatry</i> , 2006, 163, 442-447.	4.0	190
25	Same or different? Neural correlates of happy and sad mood in healthy males. <i>NeuroImage</i> , 2005, 26, 206-214.	2.1	187
26	Role of ^{18}F -Fluoroethyl-L-Tyrosine PET for Differentiation of Local Recurrent Brain Metastasis from Radiation Necrosis. <i>Journal of Nuclear Medicine</i> , 2012, 53, 1367-1374.	2.8	171
27	The extrastriate cortex distinguishes between the consequences of one's own and others' behavior. <i>NeuroImage</i> , 2007, 36, 1004-1014.	2.1	165
28	Human cortical connectome reconstruction from diffusion weighted MRI: The effect of tractography algorithm. <i>NeuroImage</i> , 2012, 62, 1732-1749.	2.1	164
29	Intensity coding of auditory stimuli: an fMRI study. <i>Neuropsychologia</i> , 1998, 36, 875-883.	0.7	158
30	Response assessment of bevacizumab in patients with recurrent malignant glioma using ^{18}F Fluoroethyl-L-tyrosine PET in comparison to MRI. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2013, 40, 22-33.	3.3	158
31	Emotional processing in male adolescents with childhoodâ€“onset conduct disorder. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2008, 49, 781-791.	3.1	155
32	A fronto-parietal circuit for tactile object discrimination:. <i>NeuroImage</i> , 2003, 19, 1103-1114.	2.1	154
33	Cortical Representations of Personally Familiar Objects and Places: Functional Organization of the Human Posterior Cingulate Cortex. <i>Journal of Cognitive Neuroscience</i> , 2005, 17, 183-198.	1.1	149
34	Neural correlates of working memory dysfunction in first-episode schizophrenia patients: An fMRI multi-center study. <i>Schizophrenia Research</i> , 2007, 89, 198-210.	1.1	148
35	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, 317-324.	1.6	147
36	The Role of the Inferior Parietal Cortex in Linking the Tactile Perception and Manual Construction of Object Shapes. <i>Cerebral Cortex</i> , 2001, 11, 114-121.	1.6	141

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37	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.	1.0	140
38	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, 514-519.	0.9	138
39	High resolution BrainPET combined with simultaneous MRI. <i>Nuklearmedizin - NuclearMedicine</i> , 2011, 50, 74-82.	0.3	138
40	Focused and Nonfocused Attention in Verbal and Emotional Dichotic Listening: An FMRI Study. <i>Brain and Language</i> , 2001, 78, 349-363.	0.8	135
41	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.	0.6	134
42	Does dichotic listening probe temporal lobe functions?. <i>Neurology</i> , 2002, 58, 736-743.	1.5	131
43	Increased neural response related to neutral faces in individuals at risk for psychosis. <i>NeuroImage</i> , 2008, 40, 289-297.	2.1	131
44	Duration matters: Dissociating neural correlates of detection and evaluation of social gaze. <i>NeuroImage</i> , 2009, 46, 1154-1163.	2.1	130
45	Effect of CACNA1C rs1006737 on neural correlates of verbal fluency in healthy individuals. <i>NeuroImage</i> , 2010, 49, 1831-1836.	2.1	130
46	Quantitative cerebral water content mapping in hepatic encephalopathy. <i>NeuroImage</i> , 2008, 41, 706-717.	2.1	124
47	Fear Processing and Social Networking in the Absence of a Functional Amygdala. <i>Biological Psychiatry</i> , 2012, 72, 70-77.	0.7	123
48	The Default Mode Network and EEG Regional Spectral Power: A Simultaneous fMRI-EEG Study. <i>PLoS ONE</i> , 2014, 9, e88214.	1.1	121
49	Fully-automated detection of cerebral water content changes: Study of age- and gender-related H ₂ O patterns with quantitative MRI. <i>NeuroImage</i> , 2006, 29, 910-922.	2.1	119
50	Comparison of Cerebral Blood Flow Acquired by Simultaneous [¹⁵ O]Water Positron Emission Tomography and Arterial Spin Labeling Magnetic Resonance Imaging. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014, 34, 1373-1380.	2.4	118
51	Tapping movements according to regular and irregular visual timing signals investigated with fMRI. <i>NeuroReport</i> , 2000, 11, 1301-1306.	0.6	116
52	Assessment of reliability in functional imaging studies. <i>Journal of Magnetic Resonance Imaging</i> , 2003, 17, 463-471.	1.9	116
53	Hyperpolarized xenon in NMR and MRI. <i>Physics in Medicine and Biology</i> , 2004, 49, R105-R153.	1.6	116
54	Comparison of ¹⁸ F-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, 540-545.	2.8	115

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55	Combined FET PET/MRI radiomics differentiates radiation injury from recurrent brain metastasis. <i>NeuroImage: Clinical</i> , 2018, 20, 537-542.	1.4	113
56	Topographic segregation and convergence of verbal, object, shape and spatial working memory in humans. <i>Neuroscience Letters</i> , 2002, 323, 156-160.	1.0	110
57	A new method for fast quantitative mapping of absolute water content in vivo. <i>NeuroImage</i> , 2006, 31, 1156-1168.	2.1	108
58	Role of ^{18}F -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, 2046-2054.	2.8	108
59	Automated quality assurance routines for fMRI data applied to a multicenter study. <i>Human Brain Mapping</i> , 2005, 25, 237-246.	1.9	107
60	High-performance computing MRI simulations. <i>Magnetic Resonance in Medicine</i> , 2010, 64, 186-193.	1.9	107
61	Neural correlates of emotion recognition in schizophrenia. <i>Schizophrenia Research</i> , 2010, 122, 113-123.	1.1	107
62	A parametric analysis of the 'rate effect' in the sensorimotor cortex: a functional magnetic resonance imaging analysis in human subjects. <i>Neuroscience Letters</i> , 1998, 252, 37-40.	1.0	101
63	Fast quantitative mapping of absolute water content with full brain coverage. <i>NeuroImage</i> , 2008, 42, 1094-1109.	2.1	99
64	Centric scan SPRITE magnetic resonance imaging: optimization of SNR, resolution, and relaxation time mapping. <i>Journal of Magnetic Resonance</i> , 2004, 169, 102-117.	1.2	98
65	Neuronal Correlates of Facial Emotion Discrimination in Early Onset Schizophrenia. <i>Neuropsychopharmacology</i> , 2009, 34, 477-487.	2.8	98
66	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.	1.7	97
67	Genetic Load on Amygdala Hypofunction During Sadness in Nonaffected Brothers of Schizophrenia Patients. <i>American Journal of Psychiatry</i> , 2004, 161, 1806-1813.	4.0	95
68	Static and dynamic ^{18}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.	3.3	95
69	Effects of a CACNA1C genotype on attention networks in healthy individuals. <i>Psychological Medicine</i> , 2011, 41, 1551-1561.	2.7	94
70	White-matter abnormalities in Tourette syndrome extend beyond motor pathways. <i>NeuroImage</i> , 2010, 51, 1184-1193.	2.1	92
71	Multiple Movement Representations in the Human Brain: An Event-Related fMRI Study. <i>Journal of Cognitive Neuroscience</i> , 2002, 14, 769-784.	1.1	91
72	Dynamic ^{18}F -fluoroethyl-L-tyrosine positron emission tomography differentiates brain metastasis recurrence from radiation injury after radiotherapy. <i>Neuro-Oncology</i> , 2017, 19, now149.	0.6	91

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73	The N-Methyl-D-Aspartate Receptor Co-agonist D-Cycloserine Facilitates Declarative Learning and Hippocampal Activity in Humans. <i>Biological Psychiatry</i> , 2010, 67, 1205-1211.	0.7	90
74	Predicting IDH genotype in gliomas using FET PET radiomics. <i>Scientific Reports</i> , 2018, 8, 13328.	1.6	90
75	A functional magnetic resonance imaging study of local/global processing with stimulus presentation in the peripheral visual hemifields. <i>Neuroscience</i> , 2004, 124, 113-120.	1.1	89
76	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, 2056-2062.	2.8	86
77	Quantitative measurement of blood-brain barrier permeability in human using dynamic contrast-enhanced MRI with fast T ₁ mapping. <i>Magnetic Resonance in Medicine</i> , 2011, 65, 1036-1042.	1.9	86
78	Radiomics in neuro-oncology: Basics, workflow, and applications. <i>Methods</i> , 2021, 188, 112-121.	1.9	85
79	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, 203-211.	1.2	83
80	Amygdala control of emotion-induced forgetting and remembering: Evidence from Urbach-Wiethe disease. <i>Neuropsychologia</i> , 2007, 45, 877-884.	0.7	83
81	Human V5/MT+: comparison of functional and cytoarchitectonic data. <i>Anatomy and Embryology</i> , 2005, 210, 485-495.	1.5	82
82	Altered resting-state connectivity in Huntington's Disease. <i>Human Brain Mapping</i> , 2014, 35, 2582-2593.	1.9	82
83	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.	1.9	81
84	Left and right superior parietal lobule in tactile object discrimination. <i>European Journal of Neuroscience</i> , 2004, 19, 1067-1072.	1.2	81
85	Radiation injury vs. recurrent brain metastasis: combining textural feature radiomics analysis and standard parameters may increase 18F-FET PET accuracy without dynamic scans. <i>European Radiology</i> , 2017, 27, 2916-2927.	2.3	81
86	The precuneus and the insula in self-attributional processes. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2013, 13, 330-345.	1.0	78
87	Changes in Soil Water Content Resulting from <i>Ricinus</i> Root Uptake Monitored by Magnetic Resonance Imaging. <i>Vadose Zone Journal</i> , 2008, 7, 1010-1017.	1.3	76
88	Dual-time-point O-(2-[18F]fluoroethyl)-L-tyrosine PET for grading of cerebral gliomas. <i>European Radiology</i> , 2015, 25, 3017-3024.	2.3	76
89	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.	3.3	74
90	FastT1 mapping with volume coverage. <i>Magnetic Resonance in Medicine</i> , 2001, 46, 131-140.	1.9	70

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91	A New Method for Fast Multislice T1 Mapping. <i>NeuroImage</i> , 2001, 14, 1175-1185.	2.1	69
92	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, 758-764.	1.9	69
93	Neural substrates of olfactory processing in schizophrenia patients and their healthy relatives. <i>Psychiatry Research - Neuroimaging</i> , 2007, 155, 103-112.	0.9	68
94	Differential involvement of the posterior temporal cortex in mentalizing but not perspective taking. <i>Social Cognitive and Affective Neuroscience</i> , 2008, 3, 279-289.	1.5	68
95	Quantitative T1 mapping of hepatic encephalopathy using magnetic resonance imaging. <i>Hepatology</i> , 2003, 38, 1219-1226.	3.6	67
96	Top-down and bottom-up modulation of language related areas--an fMRI study. <i>BMC Neuroscience</i> , 2003, 4, 13.	0.8	67
97	Differential brain activation during facial emotion discrimination in first-episode schizophrenia. <i>Journal of Psychiatric Research</i> , 2009, 43, 592-599.	1.5	67
98	Increased brain tissue sodium concentration in Huntington's Disease â€” A sodium imaging study at 4T. <i>NeuroImage</i> , 2012, 63, 517-524.	2.1	67
99	Advances in multimodal neuroimaging: Hybrid MRâ€“PET and MRâ€“PETâ€“EEG at 3T and 9.4T. <i>Journal of Magnetic Resonance</i> , 2013, 229, 101-115.	1.2	67
100	Dependence of amygdala activation on echo time: Results from olfactory fMRI experiments. <i>NeuroImage</i> , 2006, 30, 151-159.	2.1	66
101	Training of affect recognition in schizophrenia: Neurobiological correlates. <i>Social Neuroscience</i> , 2010, 5, 92-104.	0.7	65
102	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, 424-437.	1.4	65
103	Multimodal imaging utilising integrated MR-PET for human brain tumour assessment. <i>European Radiology</i> , 2012, 22, 2568-2580.	2.3	64
104	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.	0.8	64
105	The Usefulness of Dynamic ^{18}F -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.	2.8	64
106	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, 332-342.	0.7	63
107	Visuospatial working memory and changes of the point of view in 3D space. <i>NeuroImage</i> , 2007, 36, 955-968.	2.1	63
108	From simultaneous to synergistic MRâ€“PET brain imaging: A review of hybrid MRâ€“PET imaging methodologies. <i>Human Brain Mapping</i> , 2018, 39, 5126-5144.	1.9	62

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109	Microglial activation and blood-brain barrier permeability in cerebral small vessel disease. <i>Brain</i> , 2021, 144, 1361-1371.	3.7	62
110	Stability of emotional dysfunctions? A long-term fMRI study in first-episode schizophrenia. <i>Journal of Psychiatric Research</i> , 2007, 41, 918-927.	1.5	61
111	Deformation Field Morphometry Reveals Age-Related Structural Differences between the Brains of Adults up to 51 Years. <i>Journal of Neuroscience</i> , 2008, 28, 828-842.	1.7	61
112	Where depends on what: A differential functional anatomy for position discrimination in one-versus two-dimensions. <i>Neuropsychologia</i> , 2000, 38, 1741-1748.	0.7	60
113	Comparison of 18F-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.	3.3	60
114	High-T _c SQUID biomagnetometers. <i>Superconductor Science and Technology</i> , 2017, 30, 083001.	1.8	60
115	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, 131-147.	1.1	59
116	The Network of Brain Areas Involved in the Motion Aftereffect. <i>NeuroImage</i> , 2000, 11, 257-270.	2.1	58
117	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, 905-915.	3.3	58
118	Bone regeneration induced by a 3D architected hydrogel in a rat critical-size calvarial defect. <i>Biomaterials</i> , 2017, 113, 158-169.	5.7	58
119	Shared-k-space echo planar imaging with keyhole. <i>Magnetic Resonance in Medicine</i> , 2001, 45, 109-117.	1.9	57
120	Differential uptake of [18F]FET and [3H]l-methionine in focal cortical ischemia. <i>Nuclear Medicine and Biology</i> , 2006, 33, 1029-1035.	0.3	55
121	Cerebral Dysfunctions of Emotion-Cognition Interactions in Adolescent-Onset Schizophrenia. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2008, 47, 1299-1310.	0.3	55
122	Hybrid 18F-FDG PET-MRI of the hand in rheumatoid arthritis: initial results. <i>Clinical Rheumatology</i> , 2011, 30, 1247-1250.	1.0	55
123	Analysis of proton-density bias corrections based on T ₁ measurement for robust quantification of water content in the brain at 3 Tesla. <i>Magnetic Resonance in Medicine</i> , 2014, 72, 1735-1745.	1.9	55
124	FET PET Radiomics for Differentiating Pseudoprogression from Early Tumor Progression in Glioma Patients Post-Chemoradiation. <i>Cancers</i> , 2020, 12, 3835.	1.7	55
125	Amino acid PET and MR perfusion imaging in brain tumours. <i>Clinical and Translational Imaging</i> , 2017, 5, 209-223.	1.1	54
126	The Effect of Sequence Repeat Time on Auditory Cortex Stimulation During Phonetic Discrimination. <i>NeuroImage</i> , 2000, 12, 100-108.	2.1	53

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127	Non-Gaussian Diffusion Imaging for Enhanced Contrast of Brain Tissue Affected by Ischemic Stroke. PLoS ONE, 2014, 9, e89225.	1.1	53
128	Influence of age and cognitive performance on resting-state brain networks of older adults in a population-based cohort. Cortex, 2017, 89, 28-44.	1.1	53
129	Functional anatomy and differential time courses of neural processing for explicit, inferred, and illusory contoursAn event-related fMRI study. NeuroImage, 2003, 19, 1567-1577.	2.1	52
130	Non-Gaussian diffusion in human brain tissue at high b-factors as examined by a combined diffusion kurtosis and biexponential diffusion tensor analysis. NeuroImage, 2011, 57, 1087-1102.	2.1	52
131	Fully-3D PET Image Reconstruction Using Scanner-Independent, Adaptive Projection Data and Highly Rotation-Symmetric Voxel Assemblies. IEEE Transactions on Medical Imaging, 2011, 30, 879-892.	5.4	52
132	Diffusion kurtosis imaging and log-normal distribution function imaging enhance the visualisation of lesions in animal stroke models. NMR in Biomedicine, 2012, 25, 1295-1304.	1.6	52
133	High- T_{c} DC SQUIDS for Magnetoencephalography. IEEE Transactions on Applied Superconductivity, 2013, 23, 1600705-1600705.	1.1	52
134	Differential brain activation according to chronic social reward frustration. NeuroReport, 2005, 16, 1899-1903.	0.6	51
135	Combined Amino Acid Positron Emission Tomography and Advanced Magnetic Resonance Imaging in Glioma Patients. Cancers, 2019, 11, 153.	1.7	51
136	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. Human Brain Mapping, 2009, 30, 3406-3416.	1.9	50
137	Single-trial P3 amplitude and latency informed event-related fMRI models yield different BOLD response patterns to a target detection task. NeuroImage, 2009, 47, 1532-1544.	2.1	50
138	Clinical Predictors of Individual Cognitive Fluctuations in Patients Undergoing Hemodialysis. American Journal of Kidney Diseases, 2014, 64, 434-442.	2.1	50
139	The influence of olfactory-induced negative emotion on verbal working memory: Individual differences in neurobehavioral findings. Brain Research, 2007, 1152, 158-170.	1.1	48
140	“Early to bed, early to rise” Diffusion tensor imaging identifies chronotype-specificity. NeuroImage, 2014, 84, 428-434.	2.1	48
141	Diffusion kurtosis metrics as biomarkers of microstructural development: A comparative study of a group of children and a group of adults. NeuroImage, 2017, 144, 12-22.	2.1	47
142	Differentiation of treatment-related changes from tumour progression: a direct comparison between dynamic FET PET and ADC values obtained from DWI MRI. European Journal of Nuclear Medicine and Molecular Imaging, 2019, 46, 1889-1901.	3.3	47
143	Associating Colours with People: A Case of Chromatic-Lexical Synaesthesia. Cortex, 2001, 37, 750-753.	1.1	46
144	Genetic variation in the schizophrenia-risk gene neuregulin1 correlates with differences in frontal brain activation in a working memory task in healthy individuals. NeuroImage, 2008, 42, 1569-1576.	2.1	46

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145	Quantitative water content mapping at clinically relevant field strengths: A comparative study at 1.5T and 3T. <i>NeuroImage</i> , 2015, 106, 404-413.	2.1	46
146	Specific and disease stage-dependent episodic memory-related brain activation patterns in Alzheimer's disease: a coordinate-based meta-analysis. <i>Brain Structure and Function</i> , 2015, 220, 1555-1571.	1.2	46
147	Imaging of sodium in the brain: a brief review. <i>NMR in Biomedicine</i> , 2016, 29, 162-174.	1.6	45
148	Early treatment response evaluation using FET PET compared to MRI in glioblastoma patients at first progression treated with bevacizumab plus lomustine. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2018, 45, 2377-2386.	3.3	45
149	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.	1.5	44
150	Neural correlates of impaired emotion processing in manifest Huntington's disease. <i>Social Cognitive and Affective Neuroscience</i> , 2014, 9, 671-680.	1.5	44
151	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.	1.4	44
152	Optimised in vivo visualisation of cortical structures in the human brain at 3 T using IR-TSE. <i>Magnetic Resonance Imaging</i> , 2008, 26, 935-942.	1.0	43
153	Electrophysiology meets fMRI: Neural correlates of the startle reflex assessed by simultaneous EEG-fMRI data acquisition. <i>Human Brain Mapping</i> , 2010, 31, 1675-1685.	1.9	43
154	Muscarinic antagonist effects on executive control of attention. <i>International Journal of Neuropsychopharmacology</i> , 2009, 12, 1307.	1.0	42
155	Spatially variable Rician noise in magnetic resonance imaging. <i>Medical Image Analysis</i> , 2012, 16, 536-548.	7.0	42
156	Multicenter Study of Subjective Acceptance During Magnetic Resonance Imaging at 7 and 9.4 T. <i>Investigative Radiology</i> , 2014, 49, 249-259.	3.5	42
157	Proton magnetization enhancement of solvents with hyperpolarized xenon in very low-magnetic fields. <i>Chemical Physics Letters</i> , 2001, 348, 263-269.	1.2	41
158	Disentangling the prefrontal network for rule selection by means of a nonverbal variant of the Wisconsin Card Sorting Test. <i>Human Brain Mapping</i> , 2009, 30, 1734-1743.	1.9	41
159	Simultaneous single-quantum and triple-quantum-filtered MRI of ²³ Na (SISTINA). <i>Magnetic Resonance in Medicine</i> , 2013, 69, 1691-1696.	1.9	41
160	Cognitive Improvement and Brain Changes after Real-Time Functional MRI Neurofeedback Training in Healthy Elderly and Prodromal Alzheimer's Disease. <i>Frontiers in Neurology</i> , 2017, 8, 384.	1.1	41
161	The Effect of Switching between Sequential and Repetitive Movements on Cortical Activation. <i>NeuroImage</i> , 2000, 12, 528-537.	2.1	40
162	Microstructure assessment of grey matter nuclei in adult tourette patients by diffusion tensor imaging. <i>Neuroscience Letters</i> , 2011, 487, 22-26.	1.0	40

#	ARTICLE	IF	CITATIONS
163	TRIMAGE: A dedicated trimodality (PET/MR/EEG) imaging tool for schizophrenia. <i>European Psychiatry</i> , 2018, 50, 7-20.	0.1	40
164	Alterations in basal ganglia-cerebello-thalamo-cortical connectivity and whole brain functional network topology in Tourette's syndrome. <i>NeuroImage: Clinical</i> , 2019, 24, 101998.	1.4	40
165	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.	1.2	39
166	fMRI reveals cognitive and emotional processing in a long-term comatose patient. <i>Experimental Neurology</i> , 2008, 214, 240-246.	2.0	39
167	Deriving Numerosity and Shape from Identical Visual Displays. <i>NeuroImage</i> , 2001, 13, 46-55.	2.1	38
168	Error reduction and parameter optimization of the TAPIR method for fastT1 mapping. <i>Magnetic Resonance in Medicine</i> , 2003, 49, 1121-1132.	1.9	38
169	Central adaptation following heterotopic hand replantation probed by fMRI and effective connectivity analysis. <i>Experimental Neurology</i> , 2008, 212, 132-144.	2.0	38
170	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, 266-275.	1.9	38
171	Functional Neuroanatomy of Tics. <i>International Review of Neurobiology</i> , 2013, 112, 35-71.	0.9	38
172	MR-Based PET Motion Correction Procedure for Simultaneous MR-PET Neuroimaging of Human Brain. <i>PLoS ONE</i> , 2012, 7, e48149.	1.1	38
173	Sequential implementation of DSC-MR perfusion and dynamic [¹⁸ F]FET PET allows efficient differentiation of glioma progression from treatment-related changes. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 1956-1965.	3.3	37
174	'Hearing' syllables by 'seeing' visual stimuli. <i>European Journal of Neuroscience</i> , 2004, 19, 2603-2608.	1.2	36
175	A putative high risk diplotype of the G72 gene is in healthy individuals associated with better performance in working memory functions and altered brain activity in the medial temporal lobe. <i>NeuroImage</i> , 2009, 45, 1002-1008.	2.1	36
176	Novel multisection design of anisotropic diffusion phantoms. <i>Magnetic Resonance Imaging</i> , 2012, 30, 518-526.	1.0	36
177	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, 117-124.	3.3	35
178	Measurement of rubidium and xenon absolute polarization at high temperatures as a means of improved production of hyperpolarized ¹²⁹ Xe. <i>NMR in Biomedicine</i> , 2000, 13, 214-219.	1.6	35
179	Pharmacokinetic Properties of a Novel d-Peptide Developed to be Therapeutically Active Against Toxic β -Amyloid Oligomers. <i>Pharmaceutical Research</i> , 2016, 33, 328-336.	1.7	35
180	Genetic variation in schizophrenia-risk-gene dysbindin 1 modulates brain activation in anterior cingulate cortex and right temporal gyrus during language production in healthy individuals. <i>NeuroImage</i> , 2009, 47, 2016-2022.	2.1	34

#	ARTICLE	IF	CITATIONS
181	COMT genotype and its role on hippocampalâ€“prefrontal regions in declarative memory. <i>NeuroImage</i> , 2010, 53, 978-984.	2.1	34
182	Influence of Noise Correction on Intra- and Inter-Subject Variability of Quantitative Metrics in Diffusion Kurtosis Imaging. <i>PLoS ONE</i> , 2014, 9, e94531.	1.1	34
183	Comparison of O-(2- 18 F-Fluoroethyl)-L-Tyrosine Positron Emission Tomography and Perfusion-Weighted Magnetic Resonance Imaging in the Diagnosis of Patients with Progressive and Recurrent Glioma: A Hybrid Positron Emission Tomography/Magnetic Resonance Study. <i>World Neurosurgery</i> , 2018, 113, e727-e737.	0.7	34
184	What magnetic resonance imaging reveals â€“ A systematic review of the relationship between type II diabetes and associated brain distortions of structure and cognitive functioning. <i>Frontiers in Neuroendocrinology</i> , 2019, 52, 79-112.	2.5	34
185	On the relation between brain images and brain neural networks. <i>Human Brain Mapping</i> , 2000, 9, 165-182.	1.9	33
186	Comparison of ¹⁸ F-Fluoroethyl)-l-Tyrosine and l- ³ H-Methionine Uptake in Cerebral Hematomas. <i>Journal of Nuclear Medicine</i> , 2010, 51, 790-797.	2.8	33
187	The effect of Neuregulin 1 on neural correlates of episodic memory encoding and retrieval. <i>NeuroImage</i> , 2010, 53, 985-991.	2.1	33
188	Analysis and Correction of Count Rate Reduction During Simultaneous MR-PET Measurements With the BrainPET Scanner. <i>IEEE Transactions on Medical Imaging</i> , 2012, 31, 1372-1380.	5.4	33
189	The Effect of Neurogranin on Neural Correlates of Episodic Memory Encoding and Retrieval. <i>Schizophrenia Bulletin</i> , 2013, 39, 141-150.	2.3	33
190	A genome-wide supported variant in CACNA1C influences hippocampal activation during episodic memory encoding and retrieval. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2014, 264, 103-110.	1.8	33
191	Analysis of intersubject variability in activation: An application to the incidental episodic retrieval during recognition test. <i>Human Brain Mapping</i> , 2007, 28, 49-58.	1.9	32
192	EEG acquisition in ultra-high static magnetic fields up to 9.4T. <i>NeuroImage</i> , 2013, 68, 214-220.	2.1	32
193	Simultaneous EEGâ€“fMRI acquisition at low, high and ultra-high magnetic fields up to 9.4T: Perspectives and challenges. <i>NeuroImage</i> , 2014, 102, 71-79.	2.1	32
194	Attenuated prefrontal activation during decision-making under uncertainty in schizophrenia: A multi-center fMRI study. <i>Schizophrenia Research</i> , 2014, 152, 176-183.	1.1	32
195	Comparison of EEG microstates with resting state fMRI and FDGâ€“PET measures in the default mode network via simultaneously recorded trimodal (PET/MR/EEG) data. <i>Human Brain Mapping</i> , 2021, 42, 4122-4133.	1.9	32
196	The state-of-the-art and emerging design approaches of double-tuned RF coils for X-nuclei, brain MR imaging and spectroscopy: A review. <i>Magnetic Resonance Imaging</i> , 2020, 72, 103-116.	1.0	32
197	Mapping tissue sodium concentration in the human brain: A comparison of MR sequences at 9.4 Tesla. <i>NeuroImage</i> , 2014, 96, 44-53.	2.1	31
198	The interaction of working memory and emotion in persons clinically at risk for psychosis: An fMRI pilot study. <i>Schizophrenia Research</i> , 2010, 120, 167-176.	1.1	30

#	ARTICLE	IF	CITATIONS
199	Nicotine Effects on Brain Function during a Visual Oddball Task: A Comparison between Conventional and EEG-informed fMRI Analysis. <i>Journal of Cognitive Neuroscience</i> , 2012, 24, 1682-1694.	1.1	30
200	Relapse patterns after radiochemotherapy of glioblastoma with FET PET-guided boost irradiation and simulation to optimize radiation target volume. <i>Radiation Oncology</i> , 2016, 11, 87.	1.2	30
201	Neuregulin 1 ICE-single nucleotide polymorphism in first episode schizophrenia correlates with cerebral activation in fronto-temporal areas. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2009, 259, 72-79.	1.8	29
202	Preclinical Pharmacokinetic Studies of the Tritium Labelled D-Enantiomeric Peptide D3 Developed for the Treatment of Alzheimer's Disease. <i>PLoS ONE</i> , 2015, 10, e0128553.	1.1	29
203	The relationship between BOLD fMRI response and the underlying white matter as measured by fractional anisotropy (FA): A systematic review. <i>NeuroImage</i> , 2017, 153, 369-381.	2.1	29
204	A β ² Oligomer Elimination Restores Cognition in Transgenic Alzheimer's Mice with Full-blown Pathology. <i>Molecular Neurobiology</i> , 2019, 56, 2211-2223.	1.9	29
205	Diminished Activation of Motor Working-Memory Networks in Parkinson's Disease. <i>PLoS ONE</i> , 2013, 8, e61786.	1.1	29
206	Genetic variation in <i>G72</i> correlates with brain activation in the right middle temporal gyrus in a verbal fluency task in healthy individuals. <i>Human Brain Mapping</i> , 2011, 32, 118-126.	1.9	28
207	The impact of a Dysbindin schizophrenia susceptibility variant on fiber tract integrity in healthy individuals: A TBSS-based diffusion tensor imaging study. <i>NeuroImage</i> , 2012, 60, 847-853.	2.1	28
208	Comparison of Template-Based Versus CT-Based Attenuation Correction for Hybrid MR/PET Scanners. <i>IEEE Transactions on Nuclear Science</i> , 2015, 62, 2115-2121.	1.2	28
209	A multimodal meta-analysis of regional structural and functional brain alterations in type 2 diabetes. <i>Frontiers in Neuroendocrinology</i> , 2021, 62, 100915.	2.5	28
210	Effects of Magnetic Fields of up to 9.4 T on Resolution and Contrast of PET Images as Measured with an MR-BrainPET. <i>PLoS ONE</i> , 2014, 9, e95250.	1.1	28
211	Experimental studies of rubidium absolute polarization at high temperatures. <i>Applied Physics Letters</i> , 1999, 75, 427-429.	1.5	27
212	MP-SAGE: A new MP-RAGE sequence with enhanced SNR and CNR for brain imaging utilizing square-spiral phase encoding and variable flip angles. <i>Magnetic Resonance in Medicine</i> , 2006, 56, 824-834.	1.9	27
213	Nicotinic antagonist effects on functional attention networks. <i>International Journal of Neuropsychopharmacology</i> , 2009, 12, 1295.	1.0	27
214	Quantitative spectroscopic imaging with in situ measurements of tissue water T_1 , T_2 , and density. <i>Magnetic Resonance in Medicine</i> , 2009, 62, 583-590.	1.9	27
215	Altered amygdala functional connectivity in adult Tourette's syndrome. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2010, 260, 95-99.	1.8	27
216	Comparison between MRI-based attenuation correction methods for brain PET in dementia patients. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2016, 43, 2190-2200.	3.3	27

#	ARTICLE	IF	CITATIONS
217	Influence of Bevacizumab on Bloodâ€”Brain Barrier Permeability and ¹⁸ F-Fluoroethyl-L-Tyrosine Uptake in Rat Gliomas. <i>Journal of Nuclear Medicine</i> , 2017, 58, 700-705.	2.8	27
218	Spatial Relationship of Glioma Volume Derived from ¹⁸ F-FET PET and Volumetric MR Spectroscopy Imaging: A Hybrid PET/MRI Study. <i>Journal of Nuclear Medicine</i> , 2018, 59, 603-609.	2.8	27
219	The motion aftereffect: more than area V5/MT?. <i>Brain Research</i> , 2001, 892, 281-292.	1.1	26
220	The Neural Basis of Perceptual Hypothesis Generation and Testing. <i>Journal of Cognitive Neuroscience</i> , 2006, 18, 258-266.	1.1	26
221	Impact of valence and age on olfactory induced brain activation in healthy women.. <i>Behavioral Neuroscience</i> , 2010, 124, 414-422.	0.6	26
222	Differential activation of memory-relevant brain regions during a dialysis cycle. <i>Kidney International</i> , 2010, 78, 794-802.	2.6	26
223	Do EEG paradigms work in fMRI? Varying task demands in the visual oddball paradigm: Implications for task design and results interpretation. <i>NeuroImage</i> , 2013, 77, 177-185.	2.1	26
224	Simultaneous BOLD-fMRI and constant infusion FDG-PET data of the resting human brain. <i>Scientific Data</i> , 2020, 7, 363.	2.4	26
225	The effect of the COMT val158met polymorphism on neural correlates of semantic verbal fluency. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2009, 259, 459-465.	1.8	25
226	Automatic Segmentation of Human Cortical Layer-Complexes and Architectural Areas Using Ex vivo Diffusion MRI and Its Validation. <i>Frontiers in Neuroscience</i> , 2016, 10, 487.	1.4	25
227	Early treatment response assessment using ¹⁸ F-FET PET compared to contrast-enhanced MRI in glioma patients following adjuvant temozolomide chemotherapy. <i>Journal of Nuclear Medicine</i> , 2021, 62, jnumed.120.254243.	2.8	25
228	Reduced 5-HT2A receptor signaling following selective bilateral amygdala damage. <i>Social Cognitive and Affective Neuroscience</i> , 2009, 4, 79-84.	1.5	24
229	Cognitive levels of performance account for hemispheric lateralisation effects in dyslexic and normally reading children. <i>NeuroImage</i> , 2010, 53, 1346-1358.	2.1	24
230	Uptake of O-(2-[¹⁸ F]fluoroethyl)-L-tyrosine in reactive astrocytosis in the vicinity of cerebral gliomas. <i>Nuclear Medicine and Biology</i> , 2013, 40, 795-800.	0.3	24
231	Attention to Detail: Why Considering Task Demands Is Essential for Single-Trial Analysis of BOLD Correlates of the Visual P1 and N1. <i>Journal of Cognitive Neuroscience</i> , 2014, 26, 529-542.	1.1	24
232	Uptake and tracer kinetics of O-(2- ¹⁸ F-fluoroethyl)-L-tyrosine in meningiomas: preliminary results. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2015, 42, 459-467.	3.3	24
233	Rapid fat suppression for three-dimensional echo planar imaging with minimized specific absorption rate. <i>Magnetic Resonance in Medicine</i> , 2016, 76, 1517-1523.	1.9	24
234	Diffusion-weighted DESS protocol optimization for simultaneous mapping of the mean diffusivity, proton density and relaxation times at 3 Tesla. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 130-141.	1.9	24

#	ARTICLE	IF	CITATIONS
235	GABA Concentration in Posterior Cingulate Cortex Predicts Putamen Response during Resting State fMRI. PLoS ONE, 2014, 9, e106609.	1.1	24
236	Interaction of negative olfactory stimulation and working memory in schizophrenia patients: Development and evaluation of a behavioral neuroimaging task. Psychiatry Research, 2006, 144, 123-130.	1.7	23
237	Statistical Instability of TBSS Analysis Based on DTI Fitting Algorithm. Journal of Neuroimaging, 2015, 25, 883-891.	1.0	23
238	Multimodal Fingerprints of Resting State Networks as assessed by Simultaneous Trimodal MR-PET-EEG Imaging. Scientific Reports, 2017, 7, 6452.	1.6	23
239	Relaxometry and quantification in simultaneously acquired single and triple quantum filtered sodium MRI. Magnetic Resonance in Medicine, 2019, 81, 303-315.	1.9	23
240	Measuring the Absolute Water Content of the Brain Using Quantitative MRI. Methods in Molecular Biology, 2011, 711, 29-64.	0.4	22
241	A Constrained ICA Approach for Real-Time Cardiac Artifact Rejection in Magnetoencephalography. IEEE Transactions on Biomedical Engineering, 2014, 61, 405-414.	2.5	22
242	Increased Cerebral Water Content in Hemodialysis Patients. PLoS ONE, 2015, 10, e0122188.	1.1	22
243	Investigating obesity-associated brain inflammation using quantitative water content mapping. Journal of Neuroendocrinology, 2020, 32, e12907.	1.2	22
244	Decomposing memory: functional assignments and brain traffic in paired word associate learning. Neural Networks, 2000, 13, 923-940.	3.3	21
245	Application of the chirp z-transform to MRI data. Journal of Magnetic Resonance, 2006, 178, 121-128.	1.2	21
246	Development and implementation of an MR-compatible whole body video system. Neuroscience Letters, 2007, 420, 122-127.	1.0	21
247	Wechsler Memory Scale Revised Edition: Neural correlates of the visual paired associates subtest adapted for fMRI. Brain Research, 2007, 1177, 66-78.	1.1	21
248	Direction and magnitude of nicotine effects on the fMRI BOLD response are related to nicotine effects on behavioral performance. Psychopharmacology, 2011, 215, 333-344.	1.5	21
249	Parallel imaging acceleration of EPIK for reduced image distortions in fMRI. NeuroImage, 2013, 73, 135-143.	2.1	21
250	Source localization of brain activity using helium-free interferometer. Applied Physics Letters, 2014, 104, 213705.	1.5	21
251	Investigation of decision-making under uncertainty in healthy subjects: A multi-centric fMRI study. Behavioural Brain Research, 2014, 261, 89-96.	1.2	21
252	Ocular and cardiac artifact rejection for real-time analysis in MEG. Journal of Neuroscience Methods, 2014, 233, 105-114.	1.3	21

#	ARTICLE	IF	CITATIONS
253	Pharmacokinetic properties of tandem d-peptides designed for treatment of Alzheimer's disease. <i>European Journal of Pharmaceutical Sciences</i> , 2016, 89, 31-38.	1.9	21
254	Blood-brain barrier penetration of an A β -targeted, arginine-rich, d -enantiomeric peptide. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2016, 1858, 2717-2724.	1.4	21
255	Influence of blood-brain barrier permeability on O-(2-18F-fluoroethyl)-L-tyrosine uptake in rat gliomas. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2017, 44, 408-416.	3.3	21
256	Accurate hybrid template-based and MR-based attenuation correction using UTE images for simultaneous PET/MR brain imaging applications. <i>BMC Medical Imaging</i> , 2018, 18, 41.	1.4	21
257	Suppressing motion artefacts in MRI using an Inception-ResNet network with motion simulation augmentation. <i>NMR in Biomedicine</i> , 2022, 35, e4225.	1.6	21
258	Excitatory-inhibitory balance within EEG microstates and resting-state fMRI networks: assessed via simultaneous trimodal PET-MR-EEG imaging. <i>Translational Psychiatry</i> , 2021, 11, 60.	2.4	21
259	Attention Modulates the Blood Oxygen Level Dependent Response in the Primary Visual Cortex measured with Functional Magnetic Resonance Imaging. <i>Die Naturwissenschaften</i> , 1999, 86, 79-81.	0.6	20
260	On the numerically predicted spatial BOLD fMRI specificity for spin echo sequences. <i>Magnetic Resonance Imaging</i> , 2011, 29, 1195-1204.	1.0	20
261	Encoding methods for B_1 mapping in parallel transmit systems at ultra high field. <i>Journal of Magnetic Resonance</i> , 2014, 245, 125-132.	1.2	20
262	MRI Appearance of Intracerebral Iodinated Contrast Agents: Is It Possible to Distinguish Extravasated Contrast Agent from Hemorrhage?. <i>American Journal of Neuroradiology</i> , 2016, 37, 1418-1421.	1.2	20
263	mGluR5 receptor availability is associated with lower levels of negative symptoms and better cognition in male patients with chronic schizophrenia. <i>Human Brain Mapping</i> , 2020, 41, 2762-2781.	1.9	20
264	Dual-contrast echo planar imaging with keyhole: application to dynamic contrast-enhanced perfusion studies. <i>Physics in Medicine and Biology</i> , 2005, 50, 4491-4505.	1.6	19
265	Neurofunctional modulation of brain regions by distinct forms of motor cognition and movement features. <i>Human Brain Mapping</i> , 2009, 30, 432-451.	1.9	19
266	Robust tensor estimation in diffusion tensor imaging. <i>Journal of Magnetic Resonance</i> , 2011, 213, 136-144.	1.2	19
267	Automatic segmentation of tissue sections using the multielement information provided by LA-ICP-MS imaging and k-means cluster analysis. <i>International Journal of Mass Spectrometry</i> , 2011, 307, 245-252.	0.7	19
268	Monitoring of Radiochemotherapy in Patients with Glioblastoma Using ^{18}F -Tj ETQq0 0 0 rgBT /Overlock 10 T Imaging, 2013, 12, 7290.2013.00056.	0.7	19
269	Characterizing cerebral oxygen metabolism employing oxygen-17 MRI/MRS at high fields. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2014, 27, 81-93.	1.1	19
270	Deep Learning Approach for Automatic Classification of Ocular and Cardiac Artifacts in MEG Data. <i>Journal of Engineering (United States)</i> , 2018, 2018, 1-10.	0.5	19

#	ARTICLE	IF	CITATIONS
271	Quantitative MRI of cerebral white matter hyperintensities: A new approach towards understanding the underlying pathology. <i>NeuroImage</i> , 2019, 202, 116077.	2.1	19
272	A Single-Scan, Rapid Whole-Brain Protocol for Quantitative Water Content Mapping With Neurobiological Implications. <i>Frontiers in Neurology</i> , 2019, 10, 1333.	1.1	19
273	The impact of dystrobrevin-binding protein 1 (<i>DTNBP1</i>) on neural correlates of episodic memory encoding and retrieval. <i>Human Brain Mapping</i> , 2010, 31, 203-209.	1.9	18
274	Nicotine effects on anterior cingulate cortex in schizophrenia and healthy smokers as revealed by EEG-informed fMRI. <i>Psychiatry Research - Neuroimaging</i> , 2012, 204, 168-177.	0.9	18
275	Automatic identification of gray and white matter components in polarized light imaging. <i>NeuroImage</i> , 2012, 59, 1338-1347.	2.1	18
276	Spoiled FLASH MRI with slice selective excitation: Signal equation with a correction term. <i>Concepts in Magnetic Resonance Part A: Bridging Education and Research</i> , 2013, 42, 89-100.	0.2	18
277	Dissociating animacy processing in high-functioning autism: Neural correlates of stimulus properties and subjective ratings. <i>Social Neuroscience</i> , 2014, 9, 309-325.	0.7	18
278	Relationship of regional cerebral blood flow and kinetic behaviour of O-(2-18F-fluoroethyl)-L-tyrosine uptake in cerebral gliomas. <i>Nuclear Medicine Communications</i> , 2014, 35, 245-251.	0.5	18
279	Design and implementation of a simple multinuclear MRI system for ultra high-field imaging of animals. <i>Journal of Magnetic Resonance</i> , 2016, 273, 28-32.	1.2	18
280	Population-based Assessment of Intraoperative Fluid Administration Practices Across Three Surgical Specialties. <i>Annals of Surgery</i> , 2017, 265, 930-940.	2.1	18
281	Inhomogeneity mitigation in CEST using parallel transmission. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 2216-2225.	1.9	18
282	Design and construction of a novel 1 H/ 19 F double-tuned coil system using PIN-diode switches at 9.4 T. <i>Journal of Magnetic Resonance</i> , 2017, 279, 11-15.	1.2	18
283	Evaluation of factors influencing 18F-FET uptake in the brain. <i>NeuroImage: Clinical</i> , 2018, 17, 491-497.	1.4	18
284	Chronotype differences in cortical thickness: grey matter reflects when you go to bed. <i>Brain Structure and Function</i> , 2018, 223, 3411-3421.	1.2	18
285	Vessel architecture imaging using multiband gradient-echo/spin-echo EPI. <i>PLoS ONE</i> , 2019, 14, e0220939.	1.1	18
286	MR-PET head motion correction based on coregistration of multicontrast MR images. <i>Human Brain Mapping</i> , 2021, 42, 4081-4091.	1.9	18
287	Role of the default mode resting-state network for cognitive functioning in malignant glioma patients following multimodal treatment. <i>NeuroImage: Clinical</i> , 2020, 27, 102287.	1.4	18
288	Assessment of the precision in co-registration of structural MR images and PET images with localized binding. <i>International Congress Series</i> , 2004, 1265, 275-280.	0.2	17

#	ARTICLE	IF	CITATIONS
289	Multimodal neuroimaging in humans at 9.4T: a technological breakthrough towards an advanced metabolic imaging scanner. <i>Brain Structure and Function</i> , 2015, 220, 1867-1884.	1.2	17
290	Real-time 2D spatially selective MRI experiments: Comparative analysis of optimal control design methods. <i>Journal of Magnetic Resonance</i> , 2015, 254, 110-120.	1.2	17
291	fMRI identifies chronotype-specific brain activation associated with attention to motion " Why we need to know when subjects go to bed. <i>NeuroImage</i> , 2015, 111, 602-610.	2.1	17
292	9.4T small animal MRI using clinical components for direct translational studies. <i>Journal of Translational Medicine</i> , 2017, 15, 264.	1.8	17
293	Hybrid MR-PET of brain tumours using amino acid PET and chemical exchange saturation transfer MRI. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2018, 45, 1031-1040.	3.3	17
294	Evaluation of FET PET Radiomics Feature Repeatability in Glioma Patients. <i>Cancers</i> , 2021, 13, 647.	1.7	17
295	Comparing 1H-NMR imaging and relaxation mapping of German white asparagus from five different cultivation sites. <i>Journal of Plant Nutrition and Soil Science</i> , 2007, 170, 24-38.	1.1	16
296	Magnetoencephalography using a Multilayer high DC SQUID Magnetometer. <i>Physics Procedia</i> , 2012, 36, 66-71.	1.2	16
297	B0 insensitive multiple-quantum resolved sodium imaging using a phase-rotation scheme. <i>Journal of Magnetic Resonance</i> , 2013, 228, 32-36.	1.2	16
298	Accelerated Parameter Mapping of Multiple-Echo Gradient-Echo Data Using Model-Based Iterative Reconstruction. <i>IEEE Transactions on Medical Imaging</i> , 2018, 37, 626-637.	5.4	16
299	Interslice current change constrained B ₀ shim optimization for accurate high-order dynamic shim updating with strongly reduced eddy currents. <i>Magnetic Resonance in Medicine</i> , 2019, 82, 263-275.	1.9	16
300	Comparison of [18F]Fluoroethyltyrosine PET and Sodium MRI in Cerebral Gliomas: a Pilot Study. <i>Molecular Imaging and Biology</i> , 2020, 22, 198-207.	1.3	16
301	Prediction of survival in patients with IDH-wildtype astrocytic gliomas using dynamic O-(2-[18F]-fluoroethyl)-l-tyrosine PET. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2020, 47, 1486-1495.	3.3	16
302	Measurement of regional left ventricular function using labelled magnetic resonance imaging. <i>British Journal of Radiology</i> , 1991, 64, 953-958.	1.0	15
303	Emotion-cognition interactions in schizophrenia. <i>World Journal of Biological Psychiatry</i> , 2010, 11, 934-944.	1.3	15
304	Cholinergic blockade under working memory demands encountered by increased rehearsal strategies: evidence from fMRI in healthy subjects. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2012, 262, 329-339.	1.8	15
305	Theoretical design of gradient coils with minimum power dissipation: Accounting for the discretization of current density into coil windings. <i>Journal of Magnetic Resonance</i> , 2013, 235, 85-94.	1.2	15
306	Removal of Pulse Artefact from EEG Data Recorded in MR Environment at 3T. Setting of ICA Parameters for Marking Artefactual Components: Application to Resting-State Data. <i>PLoS ONE</i> , 2014, 9, e112147.	1.1	15

#	ARTICLE	IF	CITATIONS
307	Reproducibility of O-(2-18F-fluoroethyl)-L-tyrosine uptake kinetics in brain tumors and influence of corticoid therapy: an experimental study in rat gliomas. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2016, 43, 1115-1123.	3.3	15
308	The role of impulsivity in psychostimulant- and stress-induced dopamine release: Review of human imaging studies. <i>Neuroscience and Biobehavioral Reviews</i> , 2017, 78, 82-90.	2.9	15
309	Correlation of quantitative conductivity mapping and total tissue sodium concentration at 3T/4T. <i>Magnetic Resonance in Medicine</i> , 2019, 82, 1518-1526.	1.9	15
310	Scatter Correction Based on GPU-Accelerated Full Monte Carlo Simulation for Brain PET/MRI. <i>IEEE Transactions on Medical Imaging</i> , 2020, 39, 140-151.	5.4	15
311	Recording Visual Evoked Potentials and Auditory Evoked P300 at 9.4T Static Magnetic Field. <i>PLoS ONE</i> , 2013, 8, e62915.	1.1	15
312	Cortical Response Variation with Different Sound Pressure Levels: A Combined Event-Related Potentials and fMRI Study. <i>PLoS ONE</i> , 2014, 9, e109216.	1.1	15
313	Whole-brain high in-plane resolution fMRI using accelerated EPIK for enhanced characterisation of functional areas at 3T. <i>PLoS ONE</i> , 2017, 12, e0184759.	1.1	15
314	A three stage model of awareness. <i>NeuroReport</i> , 1998, 9, 1787-1792.	0.6	14
315	Motivation effects in a dichotic listening task as evident from functional magnetic resonance imaging in human subjects. <i>Neuroscience Letters</i> , 1999, 267, 29-32.	1.0	14
316	Tracing the ventral stream for auditory speech processing in the temporal lobe by using a combined time series and independent component analysis. <i>Neuroscience Letters</i> , 2008, 442, 180-185.	1.0	14
317	Optimum coupling and multimode excitation of traveling waves in a whole-body 9.4T scanner. <i>Magnetic Resonance in Medicine</i> , 2013, 69, 1805-1812.	1.9	14
318	Multimodal Imaging in Malignant Brain Tumors: Enhancing the Preoperative Risk Evaluation for Motor Deficits with a Combined Hybrid MRI-PET and Navigated Transcranial Magnetic Stimulation Approach. <i>American Journal of Neuroradiology</i> , 2016, 37, 266-273.	1.2	14
319	O-(2-[18F]fluoroethyl)-L-tyrosine PET in gliomas: influence of data processing in different centres. <i>EJNMMI Research</i> , 2017, 7, 64.	1.1	14
320	The Jülich Experience With Simultaneous 3T MR-BrainPET: Methods and Technology. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2019, 3, 352-362.	2.7	14
321	Invasive versus non-invasive mapping of the motor cortex. <i>Human Brain Mapping</i> , 2020, 41, 3970-3983.	1.9	14
322	Single point measurements of magnetic field gradient waveform. <i>Journal of Magnetic Resonance</i> , 2003, 163, 1-7.	1.2	13
323	Enhancing the precision of quantitative water content mapping by optimizing sequence parameters. <i>Magnetic Resonance in Medicine</i> , 2006, 56, 224-229.	1.9	13
324	A <i>schizophrenia susceptibility variant causes perihippocampal fiber tract anomalies in healthy young subjects. <i>Brain and Behavior</i>, 2014, 4, 215-226.</i>	1.0	13

#	ARTICLE	IF	CITATIONS
325	Time-frequency analysis of resting state and evoked EEG data recorded at higher magnetic fields up to 9.4T. <i>Journal of Neuroscience Methods</i> , 2015, 255, 1-11.	1.3	13
326	GABA metabolism and its role in gamma-band oscillatory activity during auditory processing: An MRS and EEG study. <i>Human Brain Mapping</i> , 2017, 38, 3975-3987.	1.9	13
327	Methods for molecular imaging of brain tumours in a hybrid MR-PET context: Water content, T2*, diffusion indices and FET-PET. <i>Methods</i> , 2017, 130, 135-151.	1.9	13
328	An MR technique for simultaneous quantitative imaging of water content, conductivity and susceptibility, with application to brain tumours using a 3T hybrid MR-PET scanner. <i>Scientific Reports</i> , 2019, 9, 88.	1.6	13
329	A Deep Learning Framework for Transforming Image Reconstruction Into Pixel Classification. <i>IEEE Access</i> , 2019, 7, 177690-177702.	2.6	13
330	Deceleration of the neurodegenerative phenotype in pyroglutamate- $A\beta$ accumulating transgenic mice by oral treatment with the $A\beta$ oligomer eliminating compound RD2. <i>Neurobiology of Disease</i> , 2019, 124, 36-45.	2.1	13
331	Feature-based PET/MRI radiomics in patients with brain tumors. <i>Neuro-Oncology Advances</i> , 2020, 2, iv15-iv21.	0.4	13
332	High uptake of ^{68}Ga -PSMA and ^{18}F -DCFPyL in the peritumoral area of rat gliomas due to activated astrocytes. <i>EJNMMI Research</i> , 2020, 10, 55.	1.1	13
333	Isomers of 4- ^{18}F fluoro-proline: Radiosynthesis, Biological Evaluation and Results in Humans Using PET. <i>Current Radiopharmaceuticals</i> , 2014, 7, 123-132.	0.3	13
334	The neural basis of perceptual hypothesis generation and testing. <i>Journal of Cognitive Neuroscience</i> , 2006, 18, 258-66.	1.1	13
335	Direct anatomical-MRI correlation: the knee. <i>Surgical and Radiologic Anatomy</i> , 1994, 16, 183-192.	0.6	12
336	Fine motor skills in adult Tourette patients are task-dependent. <i>BMC Neurology</i> , 2012, 12, 120.	0.8	12
337	Multi-Frame SPRITE: A method for resolution enhancement of multiple-point SPRITE data. <i>Journal of Magnetic Resonance</i> , 2013, 230, 111-116.	1.2	12
338	Comparison template-based with CT-based attenuation correction for hybrid MR/PET scanners. <i>EJNMMI Physics</i> , 2014, 1, A47.	1.3	12
339	Analysis of pharmacokinetics of Gd-DTPA for dynamic contrast-enhanced magnetic resonance imaging. <i>Magnetic Resonance Imaging</i> , 2016, 34, 1034-1040.	1.0	12
340	Neuroanatomy of pain-deficiency and cross-modal activation in calcium channel subunit (CACN) $\beta_2\delta_3$ knockout mice. <i>Brain Structure and Function</i> , 2018, 223, 111-130.	1.2	12
341	Comparison of Resting-State Brain Activation Detected by BOLD, Blood Volume and Blood Flow. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 443.	1.0	12
342	Cerebral water content mapping in cirrhosis patients with and without manifest HE. <i>Metabolic Brain Disease</i> , 2019, 34, 1071-1076.	1.4	12

#	ARTICLE	IF	CITATIONS
343	Magnetic resonance spectroscopy with transcranial direct current stimulation to explore the underlying biochemical and physiological mechanism of the human brain: A systematic review. <i>Human Brain Mapping</i> , 2021, 42, 2642-2671.	1.9	12
344	Chronotype Modulates Language Processing-Related Cerebral Activity during Functional MRI (fMRI). <i>PLoS ONE</i> , 2015, 10, e0137197.	1.1	12
345	Repeated Sub-Concussive Impacts and the Negative Effects of Contact Sports on Cognition and Brain Integrity. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 7098.	1.2	12
346	Distortion correction in echo-planar imaging and quantitative T2* mapping. <i>International Congress Series</i> , 2004, 1265, 181-185.	0.2	11
347	On the problem of gradient calibration in diffusion weighted imaging. <i>International Journal of Imaging Systems and Technology</i> , 2011, 21, 271-279.	2.7	11
348	Fast and accurate water content and T2* mapping in brain tumours localised with FET-PET. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2014, 734, 185-190.	0.7	11
349	Simultaneous trimodal PET-MR-EEG imaging: Do EEG caps generate artefacts in PET images?. <i>PLoS ONE</i> , 2017, 12, e0184743.	1.1	11
350	PET attenuation correction for rigid MR Tx/Rx coils from ^{176}Lu background activity. <i>Physics in Medicine and Biology</i> , 2018, 63, 035039.	1.6	11
351	Comparison of blood-brain barrier penetration efficiencies between linear and cyclic all-d-enantiomeric peptides developed for the treatment of Alzheimer's disease. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 114, 93-102.	1.9	11
352	Design of a Quadrature 1H/31P Coil Using Bent Dipole Antenna and Four-Channel Loop at 3T MRI. <i>IEEE Transactions on Medical Imaging</i> , 2018, 37, 2613-2618.	5.4	11
353	Influence of Dexamethasone on O-(2-[18F]-Fluoroethyl)-L-Tyrosine Uptake in the Human Brain and Quantification of Tumor Uptake. <i>Molecular Imaging and Biology</i> , 2019, 21, 168-174.	1.3	11
354	Monitoring of radiochemotherapy in patients with glioblastoma using O-(2-[18F]-Fluoroethyl)-L-tyrosine positron emission tomography: is dynamic imaging helpful?. <i>Molecular Imaging</i> , 2013, 12, 388-95.	0.7	11
355	Three-Dimensional Nickel Ion Transport through Porous Media Using Magnetic Resonance Imaging. <i>Journal of Environmental Quality</i> , 2002, 31, 506-514.	1.0	10
356	Quantitative T1 mapping and absolute water content measurement using MRI. <i>International Congress Series</i> , 2004, 1265, 113-123.	0.2	10
357	The effects of a DTNBP1 gene variant on attention networks: an fMRI study. <i>Behavioral and Brain Functions</i> , 2010, 6, 54.	1.4	10
358	Latencies in BOLD response during visual attention processes. <i>Brain Research</i> , 2011, 1386, 127-138.	1.1	10
359	MR parameter quantification with magnetization-prepared double echo steady-state (MP-DESS). <i>Magnetic Resonance in Medicine</i> , 2014, 72, 103-111.	1.9	10
360	Spatiotemporal properties of auditory intensity processing in multisensor MEG. <i>NeuroImage</i> , 2014, 102, 465-473.	2.1	10

#	ARTICLE	IF	CITATIONS
361	High performance volume-of-intersection projectors for 3D-PET image reconstruction based on polar symmetries and SIMD vectorisation. <i>Physics in Medicine and Biology</i> , 2015, 60, 9349-9375.	1.6	10
362	Microstructural and functional correlates of glutamate concentration in the posterior cingulate cortex. <i>Journal of Neuroscience Research</i> , 2017, 95, 1796-1808.	1.3	10
363	Residual Encoder and Convolutional Decoder Neural Network for Glioma Segmentation. <i>Lecture Notes in Computer Science</i> , 2018, , 263-273.	1.0	10
364	Development and Implementation of a PIN-Diode Controlled, Quadrature-Enhanced, Double-Tuned RF Coil for Sodium MRI. <i>IEEE Transactions on Medical Imaging</i> , 2018, 37, 1626-1631.	5.4	10
365	Design and use of a folded four-ring double-tuned birdcage coil for rat brain sodium imaging at 9.4ÅT. <i>Journal of Magnetic Resonance</i> , 2018, 286, 110-114.	1.2	10
366	Comprehensive Characterization of the Pyroglutamate Amyloid-Å ² Induced Motor Neurodegenerative Phenotype of TBA2.1 Mice. <i>Journal of Alzheimer's Disease</i> , 2018, 63, 115-130.	1.2	10
367	In Vitro Potency and Preclinical Pharmacokinetic Comparison of All-D-Enantiomeric Peptides Developed forÅthe Treatment of AlzheimerÅ™s Disease. <i>Journal of Alzheimer's Disease</i> , 2018, 64, 859-873.	1.2	10
368	Flare Phenomenon in O-(2-18F-Fluoroethyl)-I-Tyrosine PET After Resection of Gliomas. <i>Journal of Nuclear Medicine</i> , 2020, 61, 1294-1299.	2.8	10
369	Mapping of wholeÅcerebrum restingÅstate networks using ultraÅhigh resolution acquisition protocols. <i>Human Brain Mapping</i> , 2022, 43, 3386-3403.	1.9	10
370	Localized invivo proton spectroscopy of the human kidney. <i>Magnetic Resonance in Medicine</i> , 1991, 20, 292-298.	1.9	9
371	On the Problem of Diffusivity in Heterogeneous Biological Materials with Random Structure. <i>Journal of Biological Physics</i> , 2008, 34, 551-567.	0.7	9
372	MR-PET opens new horizons in neuroimaging. <i>Future Neurology</i> , 2010, 5, 807-815.	0.9	9
373	In vivo imaging of the human brain at 1.5 T with 0.6-mm isotropic resolution. <i>Magnetic Resonance Imaging</i> , 2010, 28, 329-340.	1.0	9
374	Integration Issues of Graphoepitaxial High- $\langle \text{tex-math notation="TeX">\{m T\}_{m c}\$ \langle /tex-math \rangle \langle /inline-formula \rangle$ SQUIDs Into Multichannel MEG Systems. <i>IEEE Transactions on Applied Superconductivity</i> , 2015, 25, 1-5.	1.1	9
375	Using Structural and Functional Brain Imaging to Investigate Responses to Acute Thermal Pain. <i>Journal of Pain</i> , 2016, 17, 836-844.	0.7	9
376	Å ² oligomer eliminating compounds interfere successfully with pEAÅ ² (3Å ⁴²) induced motor neurodegenerative phenotype in transgenic mice. <i>Neuropeptides</i> , 2018, 67, 27-35.	0.9	9
377	A 3D two-point method for whole-brain water content and relaxation time mapping: Comparison with gold standard methods. <i>PLoS ONE</i> , 2018, 13, e0201013.	1.1	9
378	Evaluating the Utility of EPIK in a Finger Tapping fMRI Experiment using BOLD Detection and Effective Connectivity. <i>Scientific Reports</i> , 2019, 9, 10978.	1.6	9

#	ARTICLE	IF	CITATIONS
379	Simultaneous PET-MR-EEG: Technology, Challenges and Application in Clinical Neuroscience. IEEE Transactions on Radiation and Plasma Medical Sciences, 2019, 3, 377-385.	2.7	9
380	Three-Dimensional Nickel Ion Transport through Porous Media Using Magnetic Resonance Imaging. Journal of Environmental Quality, 2002, 31, 506.	1.0	8
381	Repetition time and flip angle variation in SPRITE imaging for acquisition time and SAR reduction. Journal of Magnetic Resonance, 2009, 199, 136-145.	1.2	8
382	The effect of G72 genotype on neural correlates of memory encoding and retrieval. NeuroImage, 2010, 53, 1001-1006.	2.1	8
383	Detection of Remote Neuronal Reactions in the Thalamus and Hippocampus Induced by Rat Glioma Using the PET Tracer <i>Cis</i> -4-[¹⁸ F]Fluoro-D-Proline. Journal of Cerebral Blood Flow and Metabolism, 2013, 33, 724-731.	2.4	8
384	Convex optimisation of gradient and shim coil winding patterns. Journal of Magnetic Resonance, 2014, 244, 36-45.	1.2	8
385	GPU-accelerated Monte Carlo based scatter correction in brain PET/MR. EJNMMI Physics, 2014, 1, A32.	1.3	8
386	Methods for pulse artefact reduction: Experiences with EEG data recorded at 9.4T static magnetic field. Journal of Neuroscience Methods, 2014, 232, 110-117.	1.3	8
387	The use of O-(2-18F-fluoroethyl)-L-tyrosine PET in the diagnosis of gliomas located in the brainstem and spinal cord. Neuro-Oncology, 2016, 19, now243.	0.6	8
388	Effects of Ncl. Basalis Meynert volume on the Trailâ€Makingâ€Test are restricted to the left hemisphere. Brain and Behavior, 2016, 6, e00421.	1.0	8
389	Design and Characterization of a Gradient-Transparent RF Copper Shield for PET Detector Modules in Hybrid MR-PET Imaging. IEEE Transactions on Nuclear Science, 2017, 64, 1118-1127.	1.2	8
390	Multi-Exponential Relaxometry Using ℓ_1 -Regularized Iterative NNLS (MERLIN) With Application to Myelin Water Fraction Imaging. IEEE Transactions on Medical Imaging, 2019, 38, 2676-2686.	5.4	8
391	Perfusion weighted imaging using combined gradient/spin echo EPIK: Brain tumour applications in hybrid MR-PET. Human Brain Mapping, 2019, 42, 4144-4154.	1.9	8
392	Design and evaluation of a ¹ H/ ³¹ P double-resonant helmet coil for 3T MRI of the brain. Physics in Medicine and Biology, 2019, 64, 035003.	1.6	8
393	Dual-contrast pCASL using simultaneous gradient-echo/spin-echo multiband EPI. Magnetic Resonance Imaging, 2019, 57, 359-367.	1.0	8
394	Changes in brain activation related to visuo-spatial memory after real-time fMRI neurofeedback training in healthy elderly and Alzheimerâ€™s disease. Behavioural Brain Research, 2020, 381, 112435.	1.2	8
395	Dynamic B ₀ shimming for multiband imaging using high order spherical harmonic shims. Magnetic Resonance in Medicine, 2021, 85, 531-543.	1.9	8
396	Lesion-Function Analysis from Multimodal Imaging and Normative Brain Atlases for Prediction of Cognitive Deficits in Glioma Patients. Cancers, 2021, 13, 2373.	1.7	8

#	ARTICLE	IF	CITATIONS
397	Common neurobiological correlates of resilience and personality traits within the triple resting-state brain networks assessed by 7-Tesla ultra-high field MRI. <i>Scientific Reports</i> , 2021, 11, 11564.	1.6	8
398	Test-retest stability of spontaneous brain activity and functional connectivity in the core resting-state networks assessed with ultrahigh field 7-Tesla resting-state functional magnetic resonance imaging. <i>Human Brain Mapping</i> , 2022, 43, 2026-2040.	1.9	8
399	Two Decades of Brain Tumour Imaging with O-(2-[¹⁸ F]fluoroethyl)-L-tyrosine PET: The Forschungszentrum Jülich Experience. <i>Cancers</i> , 2022, 14, 3336.	1.7	8
400	Whole-brain single-shot STEAM DTI at 4 Tesla utilizing transverse coherences for enhanced SNR. <i>Magnetic Resonance in Medicine</i> , 2009, 61, 372-380.	1.9	7
401	Random Walks in Model Brain Tissue. <i>AIP Conference Proceedings</i> , 2011, , .	0.3	7
402	Quantitative assessment of regional cerebral blood flow by dynamic susceptibility contrast-enhanced MRI, without the need for arterial blood signals. <i>Physics in Medicine and Biology</i> , 2012, 57, 7873-7892.	1.6	7
403	Incidental Memory Encoding Assessed with Signal Detection Theory and Functional Magnetic Resonance Imaging (fMRI). <i>Frontiers in Behavioral Neuroscience</i> , 2015, 9, 305.	1.0	7
404	Dissociated Crossed Speech Areas in a Tumour Patient. <i>Case Reports in Neurology</i> , 2017, 9, 131-136.	0.3	7
405	Concerning the matching of magnetic susceptibility differences for the compensation of background gradients in anisotropic diffusion fibre phantoms. <i>PLoS ONE</i> , 2017, 12, e0176192.	1.1	7
406	Alternative headphones for patient noise protection and communication in PET-MR studies of the brain. <i>EJNMMI Research</i> , 2018, 8, 106.	1.1	7
407	Functional magnetic resonance imaging in glioma patients: from clinical applications to future perspectives. <i>Quarterly Journal of Nuclear Medicine and Molecular Imaging</i> , 2018, 62, 295-302.	0.4	7
408	3D rigid-body motion information from spherical Lissajous navigators at small k-space radii: A proof of concept. <i>Magnetic Resonance in Medicine</i> , 2019, 82, 1462-1470.	1.9	7
409	Treatment-Related Uptake of ¹⁸ F-Fluoroethyl-L-Tyrosine and L-[Methyl- ³ H]-Methionine After Tumor Resection in Rat Glioma Models. <i>Journal of Nuclear Medicine</i> , 2019, 60, 1373-1379.	2.8	7
410	Dynamic susceptibility contrast parametric imaging using accelerated dual-contrast echo planar imaging with keyhole. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 50, 628-640.	1.9	7
411	Relaxometry and quantification in sodium MRI of cerebral gliomas: A PET and MRI small-scale study. <i>NMR in Biomedicine</i> , 2020, 33, e4361.	1.6	7
412	Analysis of EPI phase correction with low flip-angle excitation to reduce the required minimum TE: Application to whole-brain, submillimeter-resolution fMRI at 3 T. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 1416-1429.	1.9	7
413	Design, evaluation and comparison of endorectal coils for hybrid MR-PET imaging of the prostate. <i>Physics in Medicine and Biology</i> , 2020, 65, 115005.	1.6	7
414	Effect of Zolpidem in the Aftermath of Traumatic Brain Injury: An MEG Study. <i>Case Reports in Neurological Medicine</i> , 2020, 2020, 1-8.	0.3	7

#	ARTICLE	IF	CITATIONS
415	A Novel J-Shape Antenna Array for Simultaneous MR-PET or MR-SPECT Imaging. IEEE Transactions on Medical Imaging, 2022, 41, 1104-1113.	5.4	7
416	mGluR5 binding changes during a mismatch negativity task in a multimodal protocol with [11C]ABP688 PET/MR-EEG. Translational Psychiatry, 2022, 12, 6.	2.4	7
417	7T ultra-high-field neuroimaging for mental health: an emerging tool for precision psychiatry?. Translational Psychiatry, 2022, 12, 36.	2.4	7
418	A novel MRI-based quantitative water content atlas of the human brain. NeuroImage, 2022, 252, 119014.	2.1	7
419	Compressed Sensing in Sodium Magnetic Resonance Imaging: Techniques, Applications, and Future Prospects. Journal of Magnetic Resonance Imaging, 2022, 55, 1340-1356.	1.9	7
420	The truncated Levy-flight process: Application to the random spin phase change in non-linear magnetic fields. Physica A: Statistical Mechanics and Its Applications, 2006, 370, 553-564.	1.2	6
421	An accurate nonuniform fourier transform for SPRITE magnetic resonance imaging data. ACM Transactions on Mathematical Software, 2007, 33, 16.	1.6	6
422	Phase-cycled averaging for the suppression of residual magnetisation in SPI sequences. Journal of Magnetic Resonance, 2009, 199, 117-125.	1.2	6
423	Influence from high and ultra-high magnetic field on positron range measured with a 9.4TMR-BrainPET. , 2010, , .		6
424	Investigation of the spatial correlation in human white matter and the influence of age using 3-dimensional variography applied to MP-RAGE data. NeuroImage, 2012, 63, 1374-1383.	2.1	6
425	Complex patterns of non-Gaussian diffusion in artificial anisotropic tissue models. Microporous and Mesoporous Materials, 2013, 178, 44-47.	2.2	6
426	Tripled Readout Slices in Multi Time-Point pCASL Using Multiband Look-Locker EPI. PLoS ONE, 2015, 10, e0141108.	1.1	6
427	Resolution modeling in projection space using a factorized multi-block detector response function for PET image reconstruction. Physics in Medicine and Biology, 2019, 64, 145012.	1.6	6
428	Increasing body mass index in an elderly cohort: Effects on the quantitative MR parameters of the brain. Journal of Magnetic Resonance Imaging, 2020, 51, 514-523.	1.9	6
429	Dedicated diffusion phantoms for the investigation of free water elimination and mapping: insights into the influence of T2 relaxation properties. NMR in Biomedicine, 2020, 33, e4210.	1.6	6
430	Application of compressed sensing using chirp encoded 3D GRE and MPRAGE sequences. International Journal of Imaging Systems and Technology, 2020, 30, 592-604.	2.7	6
431	A Novel Anti-Inflammatory d-Peptide Inhibits Disease Phenotype Progression in an ALS Mouse Model. Molecules, 2021, 26, 1590.	1.7	6
432	Multistage Background Field Removal (MUBAFIRE)â€”Compensating for B0 Distortions at Ultra-High Field. PLoS ONE, 2015, 10, e0138325.	1.1	6

#	ARTICLE	IF	CITATIONS
433	An Ensemble of 2D Convolutional Neural Network for 3D Brain Tumor Segmentation. Lecture Notes in Computer Science, 2020, , 359-367.	1.0	6
434	Visualization of fluid motion by tagged magnetic resonance imaging. Flow Measurement and Instrumentation, 1991, 2, 127-130.	1.0	5
435	A multi-purpose ruler for magnetic resonance imaging. British Journal of Radiology, 1993, 66, 545-547.	1.0	5
436	The transfer of a timing pattern to the untrained human hand investigated with functional magnetic resonance imaging. Neuroscience Letters, 2001, 301, 45-48.	1.0	5
437	Measurement of weak electric currents in copper wire phantoms using MRI: influence of susceptibility enhancement. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2006, 19, 124-133.	1.1	5
438	MR-guided data framing for PET motion correction in simultaneous MR–PET: A preliminary evaluation. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 702, 67-69.	0.7	5
439	Advances in hybrid MR–PET at 3T and 9.4T in humans. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 702, 16-21.	0.7	5
440	Genetic variation in the G72 gene is associated with increased frontotemporal fiber tract integrity. European Archives of Psychiatry and Clinical Neuroscience, 2015, 265, 291-301.	1.8	5
441	Association between Cortical GABA and Loudness Dependence of Auditory Evoked Potentials (LDAEP) in Humans. International Journal of Neuropsychopharmacology, 2018, 21, 809-813.	1.0	5
442	OS9.6 Diagnosis of pseudoprogression using FET PET radiomics. Neuro-Oncology, 2019, 21, iii19-iii19.	0.6	5
443	Application of Evolution Strategies to the Design of SAR Efficient Parallel Transmit Multi-Spoke Pulses for Ultra-High Field MRI. IEEE Transactions on Medical Imaging, 2020, 39, 4225-4236.	5.4	5
444	Conflict processing networks: A directional analysis of stimulus-response compatibilities using MEG. PLoS ONE, 2021, 16, e0247408.	1.1	5
445	High-throughput, accurate Monte Carlo simulation on CPU hardware for PET applications. Physics in Medicine and Biology, 2021, 66, 185001.	1.6	5
446	Bias evaluation and reduction in 3D OP-OSEM reconstruction in dynamic equilibrium PET studies with ¹¹ C-labeled for binding potential analysis. PLoS ONE, 2021, 16, e0245580.	1.1	5
447	Comparison of the Amyloid Load in the Brains of Two Transgenic Alzheimer–Disease Mouse Models Quantified by Florbetaben Positron Emission Tomography. Frontiers in Neuroscience, 2021, 15, 699926.	1.4	5
448	^{mGluR}5 and ^{GABA}A receptor–specific parametric ^{PET} atlas construction–^{PET}/^{MR} data processing pipeline, validation, and application. Human Brain Mapping, 2022, 43, 2148-2163.	1.9	5
449	Positron emission tomography–molecular imaging of biological processes. International Congress Series, 2004, 1265, 248-254.	0.2	4
450	Translational free random walk of spins in the presence of a parabolic magnetic field. Journal of Magnetic Resonance, 2005, 173, 1-9.	1.2	4

#	ARTICLE	IF	CITATIONS
451	Molecular dynamics parameter maps by 1H Hahn echo and mixed-echo phase-encoding MRI. <i>Journal of Magnetic Resonance</i> , 2013, 227, 1-8.	1.2	4
452	High-resolution, quantitative 3D PET image reconstruction for the Siemens hybrid 3T MR/BrainPET scanner using the PET reconstruction software toolkit (PRESTO). <i>EJNMMI Physics</i> , 2014, 1, A51.	1.3	4
453	A new PET detector concept for compact preclinical high-resolution hybrid MR-PET. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2018, 888, 44-52.	0.7	4
454	Microstructure-informed slow diffusion tractography in humans enhances visualisation of fibre pathways. <i>Magnetic Resonance Imaging</i> , 2018, 45, 7-17.	1.0	4
455	Submillimeter T_1 mapping of rapidly relaxing compartments with gradient delay corrected spiral TAPIR and compressed sensing at 3T. <i>Magnetic Resonance in Medicine</i> , 2019, 82, 1288-1300.	1.9	4
456	Combined 18F-FET PET and diffusion kurtosis MRI in posttreatment glioblastoma: differentiation of true progression from treatment-related changes. <i>Neuro-Oncology Advances</i> , 2021, 3, vdab044.	0.4	4
457	PEA ² Triggers Cognitive Decline and Amyloid Burden in a Novel Mouse Model of Alzheimer's Disease. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7062.	1.8	4
458	Sex-Related Motor Deficits in the Tau-P301L Mouse Model. <i>Biomedicines</i> , 2021, 9, 1160.	1.4	4
459	Quantitative T1 and water content mapping in hepatic encephalopathy. , 0, , 273-283.		4
460	Surgery of Motor Eloquent Glioblastoma Guided by TMS-Informed Tractography: Driving Resection Completeness Towards Prolonged Survival. <i>Frontiers in Oncology</i> , 0, 12, .	1.3	4
461	MR-guided PET motion correction in LOR space using generic projection data for image reconstruction with PRESTO. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013, 702, 64-66.	0.7	3
462	Quantitative PET imaging with the 3T MR-BrainPET. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013, 702, 26-28.	0.7	3
463	Epoch versus impulse models in the analysis of parametric fMRI studies. <i>Clinical Neurophysiology</i> , 2013, 124, 956-966.	0.7	3
464	Adequacy of a Compartment Model for CMRO ₂ Quantitation Using ¹⁵ O-Labeled Oxygen and PET: A Clearance Measurement of ¹⁵ O-Radioactivity Following Intracarotid Bolus Injection of ¹⁵ O-Labeled Oxyhemoglobin on <i>Macaca Fascicularis</i> . <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014, 34, 1434-1439.	2.4	3
465	Congruency of tumour volume delineated by FET PET and MRSI. <i>EJNMMI Physics</i> , 2015, 2, A61.	1.3	3
466	NIMG-32. DIFFERENTIATION OF PSEUDOPROGRESSION FROM TUMOR PROGRESSION IN GLIOBLASTOMA PATIENTS BASED ON FET PET RADIOMICS. <i>Neuro-Oncology</i> , 2017, 19, vi148-vi149.	0.6	3
467	MR-compatible, 3.8 inch dual organic light-emitting diode (OLED) in-bore display for functional MRI. <i>PLoS ONE</i> , 2018, 13, e0205325.	1.1	3
468	Correlation of Dynamic O-(2-[18F]Fluoroethyl)-L-Tyrosine Positron Emission Tomography, Conventional Magnetic Resonance Imaging, and Whole-Brain Histopathology in a Pretreated Glioblastoma: A Postmortem Study. <i>World Neurosurgery</i> , 2018, 119, e653-e660.	0.7	3

#	ARTICLE	IF	CITATIONS
469	Development, integration and use of an ultra-high-strength gradient system on a human-size 3 T magnet for small animal MRI. PLoS ONE, 2019, 14, e0217916.	1.1	3
470	Increased Water Content in Periventricular Caps in Patients without Acute Hydrocephalus. American Journal of Neuroradiology, 2019, 40, 784-787.	1.2	3
471	Optimization of high-channel count, switch matrices for multinuclear, high-field MRI. PLoS ONE, 2020, 15, e0237494.	1.1	3
472	Investigation of Cerebral O-(2-[18F]Fluoroethyl)-L-Tyrosine Uptake in Rat Epilepsy Models. Molecular Imaging and Biology, 2020, 22, 1255-1265.	1.3	3
473	A robust method for the detection of small changes in relaxation parameters and free water content in the vicinity of the substantia nigra in Parkinson's disease patients. PLoS ONE, 2021, 16, e0247552.	1.1	3
474	Oral Treatment with RD2RD2 Impedes Development of Motoric Phenotype and Delays Symptom Onset in SOD1G93A Transgenic Mice. International Journal of Molecular Sciences, 2021, 22, 7066.	1.8	3
475	Putaminal γ -Aminobutyric Acid Modulates Motor Response to Dopaminergic Therapy in Parkinson's Disease. Movement Disorders, 2021, 36, 2187-2192.	2.2	3
476	Design and Construction of a PET-Compatible Double-Tuned $^1\text{H}/^{31}\text{P}$ MR Head Coil. IEEE Transactions on Medical Imaging, 2021, 40, 2015-2022.	5.4	3
477	Spatiotemporal characterisation of ischaemic lesions in transient stroke animal models using diffusion free water elimination and mapping MRI with echo time dependence. NeuroImage, 2021, 244, 118605.	2.1	3
478	Case Report: Disruption of Resting-State Networks and Cognitive Deficits After Whole Brain Irradiation for Singular Brain Metastasis. Frontiers in Neuroscience, 2021, 15, 738708.	1.4	3
479	An in vivo multimodal feasibility study in a rat brain tumour model using flexible multinuclear MR and PET systems. EJNMMI Physics, 2020, 7, 50.	1.3	3
480	Pre-processing of Sub-millimeter GE-BOLD fMRI Data for Laminar Applications. , 2022, 1, .		3
481	Quantitative PET for assessment of cerebral blood flow and glucose consumption under varying physiological conditions. International Congress Series, 2004, 1265, 189-200.	0.2	2
482	Quantitative measurement of blood-brain barrier permeability in human using dynamic contrast-enhanced MRI with fast T1 mapping. Magnetic Resonance in Medicine, 2011, 65, spcone-spcone.	1.9	2
483	Multimodal imaging: Simultaneous EEG in a 3T Hybrid MR-PET system. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 702, 37-38.	0.7	2
484	Histogram analysis reveals a better delineation of tumor volume from background in 18F-FET PET compared to CBV maps in a hybrid PET-MR studie in gliomas. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 734, 175-178.	0.7	2
485	Effects of Regularisation Priors and Anatomical Partial Volume Correction on Dynamic PET Data. IEEE Transactions on Nuclear Science, 2015, 62, 1725-1731.	1.2	2
486	P09.26 FET PET radiomics - diagnosis of pseudoprogression in glioblastoma patients based on textural features. Neuro-Oncology, 2017, 19, iii75-iii75.	0.6	2

#	ARTICLE	IF	CITATIONS
487	MR-based attenuation map re-alignment and motion correction in simultaneous brain MR-PET imaging. , 2017, , .		2
488	NIMG-79. EARLY TREATMENT RESPONSE ASSESSMENT USING O-(2-18F-FLUOROETHYL)-L-TYROSINE (FET) PET COMPARED TO MRI IN MALIGNANT GLIOMAS TREATED WITH ADJUVANT TEMOZOLOMIDE CHEMOTHERAPY. Neuro-Oncology, 2018, 20, vi193-vi193.	0.6	2
489	Signal Loss Compensation of RF Crossbar Switch Matrix System in Ultra-High Field MRI. IEEE Transactions on Biomedical Circuits and Systems, 2018, 12, 1458-1466.	2.7	2
490	Quality-based UnwRap of Subdivided Large Arrays (URSULA) for high-resolution MRI data. Medical Image Analysis, 2019, 52, 13-23.	7.0	2
491	Bolus infusion scheme for the adjustment of steady state [11C]Flumazenil levels in the grey matter and in the blood plasma for neuroreceptor imaging. NeuroImage, 2020, 221, 117160.	2.1	2
492	A Linearized Fit Model for Robust Shape Parameterization of FET-PET TACs. IEEE Transactions on Medical Imaging, 2021, 40, 1-1.	5.4	2
493	Iterative Restoration of the Fringe Phase (REFRASE) for QSM. Frontiers in Neuroscience, 2021, 15, 537666.	1.4	2
494	CHAPTER 1. Introduction to Magnetic Resonance Imaging. New Developments in NMR, 2018, , 1-44.	0.1	2
495	Task-evoked simultaneous FDG-PET and fMRI data for measurement of neural metabolism in the human visual cortex. Scientific Data, 2021, 8, 267.	2.4	2
496	Dynamics of task-induced modulation of spontaneous brain activity and functional connectivity in the triple resting-state networks assessed using the visual oddball paradigm. PLoS ONE, 2021, 16, e0246709.	1.1	2
497	Methodik der funktionellen Magnetresonanztomographie. , 2008, , 19-35.		2
498	Development of a novel 10â€echo multiâ€contrast sequence based on <sc>EPIK</sc> to deliver simultaneous quantification of <sc>T₂</sc> and <sc>T₂[*]</sc> with application to oxygen extraction fraction. Magnetic Resonance in Medicine, 2022, 88, 1608-1623.	1.9	2
499	[207] QUANTITATIVE CEREBRAL WATER CONTENT MAPPING IN HEPATIC ENCEPHALOPATHY. Journal of Hepatology, 2007, 46, S86.	1.8	1
500	NI-19 * THE USE OF DYNAMIC O-(2-[18F]fluoroethyl)-L-TYROSINE-PET IN THE CLINICAL EVALUATION OF BRAIN TUMORS IN CHILDREN AND ADOLESCENTS. Neuro-Oncology, 2014, 16, v142-v142.	0.6	1
501	Image derived input function applied in CBF Studies with [15O]water PET in an integrated MR-PET. EJNMMI Physics, 2014, 1, A30.	1.3	1
502	Dynamic analysis of MR-PET data on brain tumors. EJNMMI Physics, 2014, 1, A56.	1.3	1
503	Transferring Cognitive Tasks Between Brain Imaging Modalities: Implications for Task Design and Results Interpretation in fMRI Studies. Journal of Visualized Experiments, 2014, , 51793.	0.2	1
504	Conceptualization, design and simulation of a hybrid antenna system as a simultaneous RF hyperthermia applicator at 600 MHz and RF coil for Magnetic Resonance Imaging at 3 Tesla. , 2016, , .		1

#	ARTICLE	IF	CITATIONS
505	Referenceless one-dimensional Nyquist ghost correction in multicoil single-shot spatiotemporally encoded MRI. <i>Magnetic Resonance Imaging</i> , 2017, 37, 222-233.	1.0	1
506	Model-Driven Development Methodology Applied to Real-Time MEG Signal Preprocessing System Design. , 2017, , .		1
507	A Fast Protocol for Multiparametric Characterisation of Diffusion in the Brain and Brain Tumours. <i>Frontiers in Oncology</i> , 2021, 11, 554205.	1.3	1
508	Measurement of rubidium and xenon absolute polarization at high temperatures as a means of improved production of hyperpolarized ¹²⁹ Xe. , 2000, 13, 214.		1
509	CHAPTER 9. Introduction and Historical Overview. <i>New Developments in NMR</i> , 2018, , 203-213.	0.1	1
510	Measurement of arterial part of vascular volume (VO) for the evaluation of hemodynamic changes in cerebrovascular disease. <i>International Congress Series</i> , 2004, 1265, 218-227.	0.2	0
511	0372 THE INTERACTION OF NEGATIVE EMOTION AND WORKING MEMORY IN EARLY PSYCHOSIS. <i>Schizophrenia Research</i> , 2006, 86, S109.	1.1	0
512	Simulation of spin dynamics: a tool in MRI system development. <i>Journal of Physics: Conference Series</i> , 2011, 295, 012020.	0.3	0
513	PET motion correction in LOR space using scanner-independent, adaptive projection data for image reconstruction with PRESTO. , 2011, , .		0
514	Long term quantitative stability of the MR compatible BrainPET insert. , 2011, , .		0
515	Combined Deadtime and Pile-up correction for the MR-compatible BrainPET Scanner. , 2013, , .		0
516	GPU-accelerated Monte Carlo based scatter correction in brain PET/MR. , 2013, , .		0
517	Cache-optimised 3D PET image reconstruction using ordered subsets in combination with highly rotation-symmetric voxel assemblies. , 2013, , .		0
518	Blind source separation analysis of PET dynamic data: a simple method with exciting MR-PET applications. <i>EJNMMI Physics</i> , 2014, 1, A28.	1.3	0
519	Effects of regularisation priors on dynamic PET Data. <i>EJNMMI Physics</i> , 2014, 1, A46.	1.3	0
520	PET motion correction using PRESTO with ITK motion estimation. <i>EJNMMI Physics</i> , 2014, 1, A59.	1.3	0
521	Adapting MR-BrainPET scans for comparison with conventional PET: experiences with dynamic FET-PET in brain tumours. <i>EJNMMI Physics</i> , 2014, 1, A64.	1.3	0
522	NIMG-17. DISCRIMINATION BETWEEN RADIATION INJURY AND BRAIN METASTASIS RECURRENCE BASED ON TEXTURAL FEATURE ANALYSIS OF FET PET “ SUPERIOR TO STANDARD METHODS?. <i>Neuro-Oncology</i> , 2016, 18, vi127-vi127.	0.6	0

#	ARTICLE	IF	CITATIONS
523	Attenuation Correction of Cerebellum in PET/MR Data. , 2017, , .		0
524	Evaluation of ¹⁸ F-FET-PET and perfusion MRI texture features in brain tumor grades. , 2017, , .		0
525	A novel analytical description of periodic volume coil geometries in MRI. Journal of Magnetic Resonance, 2018, 288, 37-42.	1.2	0
526	P01.014 Spatial correlation of FET uptake and MRI contrast enhancement in newly diagnosed glioblastoma patients prior to treatment. Neuro-Oncology, 2018, 20, iii231-iii231.	0.6	0
527	Resolution Modelling in Projection Space using Factorized Multi-block Detector Response Function. , 2018, , .		0
528	Requirement-driven model-based development methodology applied to the design of a real-time MEG data processing unit. Software and Systems Modeling, 2020, 19, 1567-1587.	2.2	0
529	Efficient eddy current characterization using a 2D image-based sampling scheme and a model-based fitting approach. Magnetic Resonance in Medicine, 2021, 85, 2892-2903.	1.9	0
530	MRI Analysis Of the Water Content Change In the Brain During Acute Ethanol Consumption Via Quantitative Water Mapping. Alcohol and Alcoholism, 2021, , .	0.9	0
531	A longitudinal multi-center fMRI study of cognition and emotion in first-episode schizophrenia patients. Pharmacopsychiatry, 2003, 36, .	1.7	0
532	Alcohol-craving: Therapeutic effects using fMRI. Pharmacopsychiatry, 2003, 36, .	1.7	0
533	ReliabilitÄt und QualitÄt von fMRT-Experimenten. , 2013, , 173-179.		0
534	Activation of the Visual Ventral Stream in Humans: An Fmri Study. , 1998, , 357-369.		0
535	CHAPTER 14. Parametric Imaging. New Developments in NMR, 2018, , 288-299.	0.1	0
536	CHAPTER 12. Motion Correction in Brain MR-PET. New Developments in NMR, 2018, , 259-272.	0.1	0
537	CHAPTER 2. MRI Instrumentation. New Developments in NMR, 2018, , 45-63.	0.1	0
538	CHAPTER 13. MR-PET Measurement. New Developments in NMR, 2018, , 273-287.	0.1	0
539	CHAPTER 10. MR-PET Instrumentation. New Developments in NMR, 2018, , 214-228.	0.1	0
540	CHAPTER 4. Ultra-high Field Imaging. New Developments in NMR, 2018, , 101-128.	0.1	0

#	ARTICLE	IF	CITATIONS
541	CHAPTER 3. Selective Applications of MRI for the Brain. New Developments in NMR, 2018, , 64-100.	0.1	0
542	CHAPTER 18. Preclinical Hybrid MR-PET Scanner Hardware. New Developments in NMR, 2018, , 351-367.	0.1	0
543	ReliabilitÄt und QualitÄt von fMRT-Experimenten. , 2007, , 149-155.		0
544	Revealing Whole-Brain Causality Networks During Guided Visual Searching. Frontiers in Neuroscience, 2022, 16, 826083.	1.4	0
545	Optimization of high-channel count, switch matrices for multinuclear, high-field MRI. , 2020, 15, e0237494.		0
546	Optimization of high-channel count, switch matrices for multinuclear, high-field MRI. , 2020, 15, e0237494.		0
547	Optimization of high-channel count, switch matrices for multinuclear, high-field MRI. , 2020, 15, e0237494.		0
548	Optimization of high-channel count, switch matrices for multinuclear, high-field MRI. , 2020, 15, e0237494.		0
549	Optimization of high-channel count, switch matrices for multinuclear, high-field MRI. , 2020, 15, e0237494.		0
550	Optimization of high-channel count, switch matrices for multinuclear, high-field MRI. , 2020, 15, e0237494.		0
551	A software-based approach for calculating spatially resolved radiation exposure for structural radiation protection in nuclear medical imaging. Journal of Radiological Protection, 0, , .	0.6	0