

N Jon Shah

List of Publications by Year in descending order

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Version: 2024-02-01

551
papers

25,755
citations

6254

80
h-index

11308

136
g-index

574
all docs

574
docs citations

574
times ranked

24647
citing authors

#	ARTICLE	IF	CITATIONS
1	Suppressing motion artefacts in MRI using an Inceptionâ€ResNet network with motion simulation augmentation. NMR in Biomedicine, 2022, 35, e4225.	2.8	21
2	A Novel J-Shape Antenna Array for Simultaneous MR-PET or MR-SPECT Imaging. IEEE Transactions on Medical Imaging, 2022, 41, 1104-1113.	8.9	7
3	mGluR5 binding changes during a mismatch negativity task in a multimodal protocol with [11C]ABP688 PET/MR-EEG. Translational Psychiatry, 2022, 12, 6.	4.8	7
4	Testâ€retest stability of spontaneous brain activity and functional connectivity in the core restingâ€state networks assessed with ultrahigh field <scp>7â€Tesla</scp> restingâ€state <scp>functional magnetic resonance imaging</scp>. Human Brain Mapping, 2022, 43, 2026-2040.	3.6	8
5	<scp>mGluR₅</scp> and <scp>GABA_A</scp> receptorâ€specific parametric <scp>PET</scp> atlas constructionâ€<scp>PET</scp>/<scp>MR</scp> data processing pipeline, validation, and application. Human Brain Mapping, 2022, 43, 2148-2163.	3.6	5
6	7T ultra-high-field neuroimaging for mental health: an emerging tool for precision psychiatry?. Translational Psychiatry, 2022, 12, 36.	4.8	7
7	Revealing Whole-Brain Causality Networks During Guided Visual Searching. Frontiers in Neuroscience, 2022, 16, 826083.	2.8	0
8	Mapping of wholeâ€cerebrum restingâ€state networks using ultraâ€high resolution acquisition protocols. Human Brain Mapping, 2022, 43, 3386-3403.	3.6	10
9	A novel MRI-based quantitative water content atlas of the human brain. NeuroImage, 2022, 252, 119014.	4.2	7
10	Compressed Sensing in Sodium Magnetic Resonance Imaging: Techniques, Applications, and Future Prospects. Journal of Magnetic Resonance Imaging, 2022, 55, 1340-1356.	3.4	7
11	Pre-processing of Sub-millimeter GE-BOLD fMRI Data for Laminar Applications. , 2022, 1, .		3
12	Development of a novel 10â€echo multiâ€contrast sequence based on <scp>EPIK</scp> to deliver simultaneous quantification of <scp>T₂</scp> and <scp>T₂[*]</scp> with application to oxygen extraction fraction. Magnetic Resonance in Medicine, 2022, 88, 1608-1623.	3.0	2
13	Repeated Sub-Concussive Impacts and the Negative Effects of Contact Sports on Cognition and Brain Integrity. International Journal of Environmental Research and Public Health, 2022, 19, 7098.	2.6	12
14	Two Decades of Brain Tumour Imaging with O-(2-[18F]fluoroethyl)-L-tyrosine PET: The Forschungszentrum JÃ¼lich Experience. Cancers, 2022, 14, 3336.	3.7	8
15	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. Human Brain Mapping, 2021, 42, 4122-4133.	3.6	32
16	MRâ€PET head motion correction based on coâ€registration of multicontrast MR images. Human Brain Mapping, 2021, 42, 4081-4091.	3.6	18
17	Early treatment response assessment using ¹⁸F-FET PET compared to contrast-enhanced MRI in glioma patients following adjuvant temozolomide chemotherapy. Journal of Nuclear Medicine, 2021, 62, jnumed.120.254243.	5.0	25
18	Radiomics in neuro-oncology: Basics, workflow, and applications. Methods, 2021, 188, 112-121.	3.8	85

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19	Sequential implementation of DSC-MR perfusion and dynamic [18F]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.	6.4	37
20	Efficient eddy current characterization using a 2D image-based sampling scheme and a model-based fitting approach. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 2892-2903.	3.0	0
21	Dynamic B ₀ shimming for multiband imaging using high order spherical harmonic shims. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 531-543.	3.0	8
22	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, vda044.	0.7	4
23	A Linearized Fit Model for Robust Shape Parameterization of FET-PET TACs. <i>IEEE Transactions on Medical Imaging</i> , 2021, 40, 1-1.	8.9	2
24	Conflict processing networks: A directional analysis of stimulus-response compatibilities using MEG. <i>PLoS ONE</i> , 2021, 16, e0247408.	2.5	5
25	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. <i>PLoS ONE</i> , 2021, 16, e0247552.	2.5	3
26	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.	3.6	12
27	Evaluation of FET PET Radiomics Feature Repeatability in Glioma Patients. <i>Cancers</i> , 2021, 13, 647.	3.7	17
28	A Novel Anti-Inflammatory d-Peptide Inhibits Disease Phenotype Progression in an ALS Mouse Model. <i>Molecules</i> , 2021, 26, 1590.	3.8	6
29	MRI Analysis Of the Water Content Change In the Brain During Acute Ethanol Consumption Via Quantitative Water Mapping. <i>Alcohol and Alcoholism</i> , 2021, , .	1.6	0
30	Iterative Restoration of the Fringe Phase (REFRASE) for QSM. <i>Frontiers in Neuroscience</i> , 2021, 15, 537666.	2.8	2
31	Microglial activation and blood-brain barrier permeability in cerebral small vessel disease. <i>Brain</i> , 2021, 144, 1361-1371.	7.6	62
32	Lesion-Function Analysis from Multimodal Imaging and Normative Brain Atlases for Prediction of Cognitive Deficits in Glioma Patients. <i>Cancers</i> , 2021, 13, 2373.	3.7	8
33	Oral Treatment with RD2RD2 Impedes Development of Motoric Phenotype and Delays Symptom Onset in SOD1G93A Transgenic Mice. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7066.	4.1	3
34	Putaminal γ -Aminobutyric Acid Modulates Motor Response to Dopaminergic Therapy in Parkinson's Disease. <i>Movement Disorders</i> , 2021, 36, 2187-2192.	3.9	3
35	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.	3.3	8
36	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.	4.1	4

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37	A multimodal meta-analysis of regional structural and functional brain alterations in type 2 diabetes. <i>Frontiers in Neuroendocrinology</i> , 2021, 62, 100915.	5.2	28
38	Design and Construction of a PET-Compatible Double-Tuned $^1\text{H}/^{31}\text{P}$ MR Head Coil. <i>IEEE Transactions on Medical Imaging</i> , 2021, 40, 2015-2022.	8.9	3
39	High-throughput, accurate Monte Carlo simulation on CPU hardware for PET applications. <i>Physics in Medicine and Biology</i> , 2021, 66, 185001.	3.0	5
40	A Fast Protocol for Multiparametric Characterisation of Diffusion in the Brain and Brain Tumours. <i>Frontiers in Oncology</i> , 2021, 11, 554205.	2.8	1
41	Spatiotemporal characterisation of ischaemic lesions in transient stroke animal models using diffusion free water elimination and mapping MRI with echo time dependence. <i>NeuroImage</i> , 2021, 244, 118605.	4.2	3
42	Sex-Related Motor Deficits in the Tau-P301L Mouse Model. <i>Biomedicines</i> , 2021, 9, 1160.	3.2	4
43	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.	4.8	21
44	Bias evaluation and reduction in 3D OP-OSEM reconstruction in dynamic equilibrium PET studies with ^{11}C -labeled for binding potential analysis. <i>PLoS ONE</i> , 2021, 16, e0245580.	2.5	5
45	Case Report: Disruption of Resting-State Networks and Cognitive Deficits After Whole Brain Irradiation for Singular Brain Metastasis. <i>Frontiers in Neuroscience</i> , 2021, 15, 738708.	2.8	3
46	Comparison of the Amyloid Load in the Brains of Two Transgenic Alzheimer’s Disease Mouse Models Quantified by Florbetaben Positron Emission Tomography. <i>Frontiers in Neuroscience</i> , 2021, 15, 699926.	2.8	5
47	Task-evoked simultaneous FDG-PET and fMRI data for measurement of neural metabolism in the human visual cortex. <i>Scientific Data</i> , 2021, 8, 267.	5.3	2
48	Dynamics of task-induced modulation of spontaneous brain activity and functional connectivity in the triple resting-state networks assessed using the visual oddball paradigm. <i>PLoS ONE</i> , 2021, 16, e0246709.	2.5	2
49	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.	8.9	15
50	Increasing body mass index in an elderly cohort: Effects on the quantitative MR parameters of the brain. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 51, 514-523.	3.4	6
51	Comparison of ^{18}F Fluoroethyltyrosine PET and Sodium MRI in Cerebral Gliomas: a Pilot Study. <i>Molecular Imaging and Biology</i> , 2020, 22, 198-207.	2.6	16
52	Dedicated diffusion phantoms for the investigation of free water elimination and mapping: insights into the influence of T2 relaxation properties. <i>NMR in Biomedicine</i> , 2020, 33, e4210.	2.8	6
53	Changes in brain activation related to visuo-spatial memory after real-time fMRI neurofeedback training in healthy elderly and Alzheimer’s disease. <i>Behavioural Brain Research</i> , 2020, 381, 112435.	2.2	8
54	Bolus infusion scheme for the adjustment of steady state ^{11}C Flumazenil levels in the grey matter and in the blood plasma for neuroreceptor imaging. <i>NeuroImage</i> , 2020, 221, 117160.	4.2	2

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55	Requirement-driven model-based development methodology applied to the design of a real-time MEG data processing unit. <i>Software and Systems Modeling</i> , 2020, 19, 1567-1587.	2.7	0
56	Application of Evolution Strategies to the Design of SAR Efficient Parallel Transmit Multi-Spoke Pulses for Ultra-High Field MRI. <i>IEEE Transactions on Medical Imaging</i> , 2020, 39, 4225-4236.	8.9	5
57	Relaxometry and quantification in sodium MRI of cerebral gliomas: A FETâ€PET and MRI smallâ€scale study. <i>NMR in Biomedicine</i> , 2020, 33, e4361.	2.8	7
58	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.	1.8	32
59	Simultaneous BOLD-fMRI and constant infusion FDG-PET data of the resting human brain. <i>Scientific Data</i> , 2020, 7, 363.	5.3	26
60	Investigating obesityâ€associated brain inflammation using quantitative water content mapping. <i>Journal of Neuroendocrinology</i> , 2020, 32, e12907.	2.6	22
61	Optimization of high-channel count, switch matrices for multinuclear, high-field MRI. <i>PLoS ONE</i> , 2020, 15, e0237494.	2.5	3
62	FET PET Radiomics for Differentiating Pseudoprogression from Early Tumor Progression in Glioma Patients Post-Chemoradiation. <i>Cancers</i> , 2020, 12, 3835.	3.7	55
63	Investigation of Cerebral O-(2-[18F]Fluoroethyl)-L-Tyrosine Uptake in Rat Epilepsy Models. <i>Molecular Imaging and Biology</i> , 2020, 22, 1255-1265.	2.6	3
64	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.	2.7	18
65	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.	3.6	20
66	PET/MRI Radiomics in Patients With Brain Metastases. <i>Frontiers in Neurology</i> , 2020, 11, 1.	2.4	210
67	Invasive versus nonâ€invasive mapping of the motor cortex. <i>Human Brain Mapping</i> , 2020, 41, 3970-3983.	3.6	14
68	Application of compressed sensing using chirp encoded 3D GRE and MPRAGE sequences. <i>International Journal of Imaging Systems and Technology</i> , 2020, 30, 592-604.	4.1	6
69	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.	6.4	16
70	Analysis of EPI phase correction with low flipâ€angle excitation to reduce the required minimum TE: Application to wholeâ€brain, submillimeterâ€resolution fMRI at 3 T. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 1416-1429.	3.0	7
71	Flare Phenomenon in O-(2-18F-Fluoroethyl)-l-Tyrosine PET After Resection of Gliomas. <i>Journal of Nuclear Medicine</i> , 2020, 61, 1294-1299.	5.0	10
72	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.	3.0	7

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73	Effect of Zolpidem in the Aftermath of Traumatic Brain Injury: An MEG Study. Case Reports in Neurological Medicine, 2020, 2020, 1-8.	0.4	7
74	Feature-based PET/MRI radiomics in patients with brain tumors. Neuro-Oncology Advances, 2020, 2, iv15-iv21.	0.7	13
75	High uptake of 68Ga-PSMA and 18F-DCFPyL in the peritumoral area of rat gliomas due to activated astrocytes. EJNMMI Research, 2020, 10, 55.	2.5	13
76	An Ensemble of 2D Convolutional Neural Network for 3D Brain Tumor Segmentation. Lecture Notes in Computer Science, 2020, , 359-367.	1.3	6
77	An in vivo multimodal feasibility study in a rat brain tumour model using flexible multinuclear MR and PET systems. EJNMMI Physics, 2020, 7, 50.	2.7	3
78	Optimization of high-channel count, switch matrices for multinuclear, high-field MRI. , 2020, 15, e0237494.		0
79	Optimization of high-channel count, switch matrices for multinuclear, high-field MRI. , 2020, 15, e0237494.		0
80	Optimization of high-channel count, switch matrices for multinuclear, high-field MRI. , 2020, 15, e0237494.		0
81	Optimization of high-channel count, switch matrices for multinuclear, high-field MRI. , 2020, 15, e0237494.		0
82	Optimization of high-channel count, switch matrices for multinuclear, high-field MRI. , 2020, 15, e0237494.		0
83	Optimization of high-channel count, switch matrices for multinuclear, high-field MRI. , 2020, 15, e0237494.		0
84	Influence of Dexamethasone on O-(2-[18F]-Fluoroethyl)-L-Tyrosine Uptake in the Human Brain and Quantification of Tumor Uptake. Molecular Imaging and Biology, 2019, 21, 168-174.	2.6	11
85	Relaxometry and quantification in simultaneously acquired single and triple quantum filtered sodium MRI. Magnetic Resonance in Medicine, 2019, 81, 303-315.	3.0	23
86	The JÃ¼lich Experience With Simultaneous 3T MR-BrainPET: Methods and Technology. IEEE Transactions on Radiation and Plasma Medical Sciences, 2019, 3, 352-362.	3.7	14
87	AÎ² Oligomer Elimination Restores Cognition in Transgenic Alzheimerâ€™s Mice with Full-blown Pathology. Molecular Neurobiology, 2019, 56, 2211-2223.	4.0	29
88	Evaluating the Utility of EPIK in a Finger Tapping fMRI Experiment using BOLD Detection and Effective Connectivity. Scientific Reports, 2019, 9, 10978.	3.3	9
89	Quantitative MRI of cerebral white matter hyperintensities: A new approach towards understanding the underlying pathology. Neurolmage, 2019, 202, 116077.	4.2	19
90	Vessel architecture imaging using multiband gradient-echo/spin-echo EPI. PLoS ONE, 2019, 14, e0220939.	2.5	18

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91	Resolution modeling in projection space using a factorized multi-block detector response function for PET image reconstruction. <i>Physics in Medicine and Biology</i> , 2019, 64, 145012.	3.0	6
92	OS9.6 Diagnosis of pseudoprogession using FET PET radiomics. <i>Neuro-Oncology</i> , 2019, 21, iii19-iii19.	1.2	5
93	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.	2.7	40
94	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.	3.3	13
95	Combined Amino Acid Positron Emission Tomography and Advanced Magnetic Resonance Imaging in Glioma Patients. <i>Cancers</i> , 2019, 11, 153.	3.7	51
96	Differentiation of treatment-related changes from tumour progression: a direct comparison between dynamic FET PET and ADC values obtained from DWI MRI. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2019, 46, 1889-1901.	6.4	47
97	Development, integration and use of an ultra-high-strength gradient system on a human-size 3 T magnet for small animal MRI. <i>PLoS ONE</i> , 2019, 14, e0217916.	2.5	3
98	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.	3.0	7
99	Correlation of quantitative conductivity mapping and total tissue sodium concentration at 3T/4T. <i>Magnetic Resonance in Medicine</i> , 2019, 82, 1518-1526.	3.0	15
100	Sub-millimeter 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.	3.0	4
101	Cerebral water content mapping in cirrhosis patients with and without manifest HE. <i>Metabolic Brain Disease</i> , 2019, 34, 1071-1076.	2.9	12
102	Multi-Exponential Relaxometry Using ℓ_1 -Regularized Iterative NNLS (MERLIN) With Application to Myelin Water Fraction Imaging. <i>IEEE Transactions on Medical Imaging</i> , 2019, 38, 2676-2686.	8.9	8
103	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.	3.0	16
104	Treatment-Related Uptake of ^{18}F -Fluoroethyl)-I-Tyrosine and L-[Methyl- ^3H]-Methionine After Tumor Resection in Rat Glioma Models. <i>Journal of Nuclear Medicine</i> , 2019, 60, 1373-1379.	5.0	7
105	Increased Water Content in Periventricular Caps in Patients without Acute Hydrocephalus. <i>American Journal of Neuroradiology</i> , 2019, 40, 784-787.	2.4	3
106	Perfusion weighted imaging using combined gradient/spin echo EPIK: Brain tumour applications in hybrid MR-PET. <i>Human Brain Mapping</i> , 2019, 42, 4144-4154.	3.6	8
107	A Deep Learning Framework for Transforming Image Reconstruction Into Pixel Classification. <i>IEEE Access</i> , 2019, 7, 177690-177702.	4.2	13
108	A Single-Scan, Rapid Whole-Brain Protocol for Quantitative Water Content Mapping With Neurobiological Implications. <i>Frontiers in Neurology</i> , 2019, 10, 1333.	2.4	19

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109	Design and evaluation of a $^1\text{H}/^{31}\text{P}$ double-resonant helmet coil for 3T MRI of the brain. <i>Physics in Medicine and Biology</i> , 2019, 64, 035003.	3.0	8
110	Deceleration of the neurodegenerative phenotype in pyroglutamate- $\text{A}\beta^2$ accumulating transgenic mice by oral treatment with the $\text{A}\beta^2$ oligomer eliminating compound RD2. <i>Neurobiology of Disease</i> , 2019, 124, 36-45.	4.4	13
111	Quality-based UnwRap of SUBdivided Large Arrays (URSULA) for high-resolution MRI data. <i>Medical Image Analysis</i> , 2019, 52, 13-23.	11.6	2
112	Simultaneous PET-MR-EEG: Technology, Challenges and Application in Clinical Neuroscience. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2019, 3, 377-385.	3.7	9
113	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.	3.4	7
114	Dual-contrast pCASL using simultaneous gradient-echo/spin-echo multiband EPI. <i>Magnetic Resonance Imaging</i> , 2019, 57, 359-367.	1.8	8
115	What magnetic resonance imaging reveals – 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.	5.2	34
116	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.	6.4	74
117	Residual Encoder and Convolutional Decoder Neural Network for Glioma Segmentation. <i>Lecture Notes in Computer Science</i> , 2018, , 263-273.	1.3	10
118	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.	6.4	17
119	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.	1.6	4
120	PET attenuation correction for rigid MR Tx/Rx coils from ^{176}Lu background activity. <i>Physics in Medicine and Biology</i> , 2018, 63, 035039.	3.0	11
121	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.	8.9	16
122	A novel analytical description of periodic volume coil geometries in MRI. <i>Journal of Magnetic Resonance</i> , 2018, 288, 37-42.	2.1	0
123	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.	1.3	34
124	TRIMAGE: A dedicated trimodality (PET/MR/EEG) imaging tool for schizophrenia. <i>European Psychiatry</i> , 2018, 50, 7-20.	0.2	40
125	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.	8.9	10
126	Microstructure-informed slow diffusion tractography in humans enhances visualisation of fibre pathways. <i>Magnetic Resonance Imaging</i> , 2018, 45, 7-17.	1.8	4

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127	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.	5.0	27
128	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.	4.0	11
129	Design and use of a folded four-ring double-tuned birdcage coil for rat brain sodium imaging at 9.4T. <i>Journal of Magnetic Resonance</i> , 2018, 286, 110-114.	2.1	10
130	A β ² oligomer eliminating compounds interfere successfully with pEA β ² (3 \times 42) induced motor neurodegenerative phenotype in transgenic mice. <i>Neuropeptides</i> , 2018, 67, 27-35.	2.2	9
131	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.	6.4	95
132	Evaluation of factors influencing ¹⁸ F-FET uptake in the brain. <i>NeuroImage: Clinical</i> , 2018, 17, 491-497.	2.7	18
133	Neuroanatomy of pain-deficiency and cross-modal activation in calcium channel subunit (CACN) β ₂ ³ knockout mice. <i>Brain Structure and Function</i> , 2018, 223, 111-130.	2.3	12
134	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.	1.2	0
135	Alternative headphones for patient noise protection and communication in PET-MR studies of the brain. <i>EJNMMI Research</i> , 2018, 8, 106.	2.5	7
136	NIMG-79. EARLY TREATMENT RESPONSE ASSESSMENT USING O-(2- ¹⁸ F-FLUOROETHYL)-L-TYROSINE (FET) PET COMPARED TO MRI IN MALIGNANT GLIOMAS TREATED WITH ADJUVANT TEMOZOLOMIDE CHEMOTHERAPY. <i>Neuro-Oncology</i> , 2018, 20, vi193-vi193.	1.2	2
137	Resolution Modelling in Projection Space using Factorized Multi-block Detector Response Function. , 2018, , .		0
138	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.	2.7	21
139	Comparison of Resting-State Brain Activation Detected by BOLD, Blood Volume and Blood Flow. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 443.	2.0	12
140	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.	0.7	7
141	Signal Loss Compensation of RF Crossbar Switch Matrix System in Ultra-High Field MRI. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , 2018, 12, 1458-1466.	4.0	2
142	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.	2.5	9
143	MR-compatible, 3.8 inch dual organic light-emitting diode (OLED) in-bore display for functional MRI. <i>PLoS ONE</i> , 2018, 13, e0205325.	2.5	3
144	Predicting IDH genotype in gliomas using FET PET radiomics. <i>Scientific Reports</i> , 2018, 8, 13328.	3.3	90

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145	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.	1.3	3
146	Association between Cortical GABA and Loudness Dependence of Auditory Evoked Potentials (LDAEP) in Humans. <i>International Journal of Neuropsychopharmacology</i> , 2018, 21, 809-813.	2.1	5
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