Diffusional kurtosis imaging: The quantification of nonof magnetic resonance imaging

Magnetic Resonance in Medicine 53, 1432-1440 DOI: 10.1002/mrm.20508

Citation Report

#	Article	IF	CITATIONS
1	Basic physical principles of body diffusion-weighted MRI. , 0, , 1-17.		0
3	Magnetic Resonance Approaches to Brain Aging and Alzheimer Disease-associated Neuropathology. Topics in Magnetic Resonance Imaging, 2005, 16, 439-452.	0.7	30
4	q-Space Imaging Using Small Magnetic Field Gradient. Magnetic Resonance in Medical Sciences, 2006, 5, 179-189.	1.1	6
5	Effect of impermeable boundaries on diffusion-attenuated MR signal. Journal of Magnetic Resonance, 2006, 179, 223-233.	1.2	46
6	Three-dimensional characterization of non-gaussian water diffusion in humans using diffusion kurtosis imaging. NMR in Biomedicine, 2006, 19, 236-247.	1.6	377
7	Modeling water diffusion anisotropy within fixed newborn primate brain using Bayesian probability theory. Magnetic Resonance in Medicine, 2006, 55, 187-197.	1.9	47
8	Diffusional kurtosis imaging in the lung using hyperpolarized 3He. Magnetic Resonance in Medicine, 2006, 56, 733-737.	1.9	39
9	Accuracy of \$q\$-Space Related Parameters in MRI: Simulations and Phantom Measurements. IEEE Transactions on Medical Imaging, 2007, 26, 1437-1447.	5.4	39
10	Hybrid diffusion imaging. NeuroImage, 2007, 36, 617-629.	2.1	193
12	Physical foundations, models, and methods of diffusion magnetic resonance imaging of the brain: A review. Concepts in Magnetic Resonance Part A: Bridging Education and Research, 2007, 30A, 278-307.	0.2	71
13	ls the "biexponential diffusion―biexponential?. Magnetic Resonance in Medicine, 2007, 57, 464-469.	1.9	120
14	Diffusion tensor imaging of the brain. Neurotherapeutics, 2007, 4, 316-329.	2.1	2,186
15	3D MRI of non-Gaussian 3He gas diffusion in the rat lung. Journal of Magnetic Resonance, 2007, 188, 357-366.	1.2	24
16	Effects of restricted diffusion in a biological phantom: a q-space diffusion MRI study of asparagus stems at a 3T clinical scanner. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2007, 20, 213-222.	1.1	34
17	Biexponential and diffusional kurtosis imaging, and generalised diffusion-tensor imaging (GDTI) with rank-4 tensors: a study in a group of healthy subjects. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2007, 20, 241-253.	1.1	28
18	Biexponential analysis of diffusion-related signal decay in normal human cortical and deep gray matter. Magnetic Resonance Imaging, 2008, 26, 897-904.	1.0	44
19	Diffusion Tensor Imaging (DTI)-based White Matter Mapping in Brain Research: A Review. Journal of Molecular Neuroscience, 2008, 34, 51-61.	1.1	1,252
20	Rapid generation of biexponential and diffusional kurtosis maps using multi-layer perceptrons: a preliminary experience. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2008, 21, 299-305.	1.1	2

TATION REDO

#	Article	IF	CITATIONS
21	A regularized twoâ€ŧensor model fit to low angular resolution diffusion images using basis directions. Journal of Magnetic Resonance Imaging, 2008, 28, 199-209.	1.9	31
22	Ageâ€related nonâ€Gaussian diffusion patterns in the prefrontal brain. Journal of Magnetic Resonance Imaging, 2008, 28, 1345-1350.	1.9	221
23	Magnetic Resonance Methods and Applications in Pharmaceutical Research. Journal of Pharmaceutical Sciences, 2008, 97, 3637-3665.	1.6	15
24	Estimation of the orientation distribution function from diffusional kurtosis imaging. Magnetic Resonance in Medicine, 2008, 60, 774-781.	1.9	112
25	Can we use diffusion MRI as a bioâ€marker of neurodegenerative processes?. BioEssays, 2008, 30, 1235-1245.	1.2	36
26	In vivo visualization of displacement-distribution-derived parameters in q-space imaging. Magnetic Resonance Imaging, 2008, 26, 77-87.	1.0	43
27	Simulation and experimental verification of the diffusion in an anisotropic fiber phantom. Journal of Magnetic Resonance, 2008, 190, 189-199.	1.2	116
28	In vivo lung morphometry with hyperpolarized 3He diffusion MRI: Theoretical background. Journal of Magnetic Resonance, 2008, 190, 200-210.	1.2	76
29	<mml:math <br="" altimg="si6.gif" display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML">overflow="scroll"><mml:mi>D</mml:mi></mml:math> -eigenvalues of diffusion kurtosis tensors. Journal of Computational and Applied Mathematics, 2008, 221, 150-157.	1.1	113
30	Plasticity and remodeling of brain. Journal of the Neurological Sciences, 2008, 265, 97-101.	0.3	109
31	Basics of Magnetic Resonance Imaging and Magnetic Resonance Spectroscopy. , 2008, , 3-167.		12
32	Magnetic resonance in porous media: Recent progress. Journal of Chemical Physics, 2008, 128, 052212.	1.2	64
33	Indirect measurement of regional axon diameter in excised mouse spinal cord with q-space imaging: Simulation and experimental studies. NeuroImage, 2008, 40, 1619-1632.	2.1	106
34	Towards better MR characterization of neural tissues using directional diffusion kurtosis analysis. NeuroImage, 2008, 42, 122-134.	2.1	236
35	The Role of Collateral Paths in Long-range Diffusion of 3He in Lungs. Academic Radiology, 2008, 15, 675-682.	1.3	24
36	Extreme diffusion values for non-Gaussian diffusions. Optimization Methods and Software, 2008, 23, 703-716.	1.6	5
37	Validation of models for the diffusion weighted MR signal in brain white matter. , 2008, , .		1
38	Fast displacement probability profile approximation from HARDI using 4th-order tensors. , 2008, 5, 911-914.		18

3

ARTICLE IF CITATIONS Advanced MR diffusion characterization of neural tissue using directional diffusion kurtosis 39 16 analysis., 2008, 2008, 3941-4. Role of collateral paths in long-range diffusion in lungs. Journal of Applied Physiology, 2008, 104, 1.2 28 1495-1503. 41 Diffusion and the MR signal., 0, , 173-202. 0 Cerebral Malaria: A New Way Forward with Magnetic Resonance Imaging (MRI). American Journal of Tropical Medicine and Hygiene, 2009, 81, 545-547. High Bâ€value apparent diffusionâ€weighted images from CURVEâ€ball DTI. Journal of Magnetic Resonance 43 1.9 15 Imaging, 2009, 30, 243-248. Complex geometric models of diffusion and relaxation in healthy and damaged white matter. NMR in 1.6 Biomedicine, 2010, 23, 152-162. Intravoxel water diffusion heterogeneity imaging of human highâ€grade gliomas. NMR in Biomedicine, 45 1.6 65 2010, 23, 179-187. Principal invariants and inherent parameters of diffusion kurtosis tensors. Journal of Mathematical 46 Analysis and Applications, 2009, 349, 165-180. Groupwise Registration and Atlas Construction of 4th-Order Tensor Fields Using the â, +  Riemannian 47 1.0 6 Metric. Lecture Notes in Computer Science, 2009, 5761, 640-647. Tensors in Image Processing and Computer Vision. Advances in Pattern Recognition, 2009, , . Inferring Microstructural Information of White Matter from Diffusion MRI., 2009, , 127-146. 49 7 Does diffusion kurtosis imaging lead to better neural tissue characterization? A rodent brain 2.1 241 maturation study. NeuroImage, 2009, 45, 386-392. Assessing the effects of age on long white matter tracts using diffusion tensor tractography. 51 2.1406 Neurolmage, 2009, 46, 530-541. QSI and DTI of excised brains of the myelin-deficient rat. NeuroImage, 2009, 48, 109-116. 2.1 48 53 Diffusion-tensor imaging in brain tumors. Imaging in Medicine, 2009, 1, 155-171. 0.0 4 Relationship between structural changes and hyperpolarized gas magnetic resonance imaging in chronic obstructive pulmonary disease using computational simulations with realistic alveolar geometry. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2009, 67.2347-2369 Effect of diffusion-sensitizing gradient timings on the exponential, biexponential and diffusional 55 kurtosis model parameters: in-vivo measurements in the rat thalamus. Magnetic Resonance Materials 1.1 3 in Physics, Biology, and Medicine, 2010, 23, 115-121. A New Tensorial Framework for Single-Shell High Angular Resolution Diffusion Imaging. Journal of Mathematical Imaging and Vision, 2010, 38, 171-181.

ARTICLE IF CITATIONS # Optimal Experimental Design for Diffusion Kurtosis Imaging. IEEE Transactions on Medical Imaging, 5.4 180 57 2010, 29, 819-829. Generalized \${ q}\$-Sampling Imaging. IEEE Transactions on Medical Imaging, 2010, 29, 1626-1635. 5.4 MR diffusion kurtosis imaging for neural tissue characterization. NMR in Biomedicine, 2010, 23, 59 278 1.6 836-848. Diffusion imaging in multiple sclerosis: research and clinical implications. NMR in Biomedicine, 2010, 140 23, 865-872. MRI quantification of nonâ€Gaussian water diffusion by kurtosis analysis. NMR in Biomedicine, 2010, 23, 61 1.6 1,017 698-710. Theoretical models of the diffusion weighted MR signal. NMR in Biomedicine, 2010, 23, 661-681. 1.6 Diffusion imaging of brain tumors. NMR in Biomedicine, 2010, 23, 849-864. 63 1.6 151 Monte Carlo study of a twoâ€compartment exchange model of diffusion. NMR in Biomedicine, 2010, 23, 1.6 64 180 711-724. Mapping brain anatomical connectivity using white matter tractography. NMR in Biomedicine, 2010, 23, 65 110 1.6 821-835. Effective medium theory of a diffusion \hat{e} weighted signal. NMR in Biomedicine, 2010, 23, 682-697. 1.6 Use, misuse, and abuse of apparent diffusion coefficients. Concepts in Magnetic Resonance Part A: 67 0.2 30 Bridging Education and Research, 2010, 36A, 24-35. In vivo generalized diffusion tensor imaging (GDTI) using higherâ€order tensors (HOT). Magnetic 68 30 Resonance in Medicine, 2010, 63, 243-252 Studies of anomalous diffusion in the human brain using fractional order calculus. Magnetic 69 1.9 150 Resonance in Medicine, 2010, 63, 562-569. <i>q</i>â€space and conventional diffusion imaging of axon and myelin damage in the rat spinal cord after axotomy. Magnetic Resonance in Medicine, 2010, 63, 1323-1335. 3He lung morphometry technique: Accuracy analysis and pulse sequence optimization. Journal of 71 1.2 24 Magnetic Resonance, 2010, 207, 234-241. Cerebral Gliomas: Diffusional Kurtosis Imaging Analysis of Microstructural Differences. Radiology, 334 2010, 254, 876-881. Advanced Imaging of Anterior Visual Pathway Ischemia: State of the Art and Future Directions. Journal 73 0.4 1 of Neuro-Ophthalmology, 2010, 30, 213-215. 74 Reconstructing diffusion kurtosis tensors from sparse noisy measurements., 2010, , .

		CITATION R	EPORT	
#	Article		IF	Citations
75	MRI Evaluation of White Matter Recovery After Brain Injury. Stroke, 2010, 41, S112-S1	13.	1.0	55
76	Non-Gaussian Analysis of Diffusion-Weighted MR Imaging in Head and Neck Squamous A Feasibility Study. American Journal of Neuroradiology, 2010, 31, 741-748.	s Cell Carcinoma:	1.2	96
77	A unified framework for estimating diffusion tensors of any order with symmetric posit constraints. , 2010, , 1385-1388.	ive-definite		50
78	Neurite density from magnetic resonance diffusion measurements at ultrahigh field: Co light microscopy and electron microscopy. NeuroImage, 2010, 49, 205-216.	omparison with	2.1	245
79	B-value dependence of DTI quantitation and sensitivity in detecting neural tissue chanş 2010, 49, 2366-2374.	zes. Neurolmage,	2.1	107
80	Non-rigid coregistration of diffusion kurtosis data. , 2010, , .			0
81	Apparent diffusion coefficients in GEC ESTRO target volumes for image guided adaptiv of locally advanced cervical cancer. Acta Oncológica, 2010, 49, 978-983.	e brachytherapy	0.8	41
82	Diffusion kurtosis imaging: Robust estimation from DW-MRI using homogeneous poly	10mials. , 2011, , .		8
83	Diffusion Kurtosis Imaging Based on Adaptive Spherical Integral. IEEE Signal Processing 18, 243-246.	s Letters, 2011,	2.1	5
85	Estimation of fiber orientation and spin density distribution by diffusion deconvolution 2011, 55, 1054-1062.	. Neurolmage,	2.1	135
86	Diffusion Magnetic Resonance Imaging in the Head and Neck. Magnetic Resonance Im North America, 2011, 19, 55-67.	aging Clinics of	0.6	22
87	Parkinson Disease: Diagnostic Utility of Diffusion Kurtosis Imaging. Radiology, 2011, 2	61, 210-217.	3.6	213
88	Magnetic Resonance Imaging and Spectroscopy Reveal Differential Hippocampal Chan and Resilient Subtypes of the Chronic Mild Stress Rat Model. Biological Psychiatry, 201	ges in Anhedonic .1, 70, 449-457.	0.7	106
89	MR Diffusion Imaging in Ischemic Stroke. Neuroimaging Clinics of North America, 2013	., 21, 345-377.	0.5	83
90	Diffusion MR Imaging: An Important Tool in the Assessment of Brain Tumors. Neuroima North America, 2011, 21, 27-49.	aging Clinics of	0.5	22
91	Diffusion MR Imaging: Basic Principles. Neuroimaging Clinics of North America, 2011, 2	21, 1-25.	0.5	30
92	Non-Gaussian diffusion in human brain tissue at high b-factors as examined by a combi kurtosis and biexponential diffusion tensor analysis. NeuroImage, 2011, 57, 1087-1102	ned diffusion 2.	2.1	52
93	Wallerian degeneration after spinal cord lesions in cats detected with diffusion tensor NeuroImage, 2011, 57, 1068-1076.	imaging.	2.1	43

#	Article	IF	CITATIONS
94	Distortion correction of high b-valued and high angular resolution diffusion images using iterative simulated images. Neurolmage, 2011, 57, 968-978.	2.1	21
95	White matter characterization with diffusional kurtosis imaging. NeuroImage, 2011, 58, 177-188.	2.1	479
96	Population-averaged diffusion tensor imaging atlas of the Sprague Dawley rat brain. NeuroImage, 2011, 58, 975-983.	2.1	33
97	Demyelination and degeneration in the injured human spinal cord detected with diffusion and magnetization transfer MRI. NeuroImage, 2011, 55, 1024-1033.	2.1	204
99	Advanced MRI in Multiple Sclerosis: Current Status and Future Challenges. Neurologic Clinics, 2011, 29, 357-380.	0.8	31
100	A review of diffusion tensor magnetic resonance imaging computational methods and software tools. Computers in Biology and Medicine, 2011, 41, 1062-1072.	3.9	73
101	Rational Approach To Select Small Peptide Molecular Probes Labeled with Fluorescent Cyanine Dyes for in Vivo Optical Imaging. Biochemistry, 2011, 50, 2691-2700.	1.2	79
102	On the scaling laws derived from ice beacon trajectories in the southern Beaufort Sea during the International Polar Year - Circumpolar Flaw Lead study, 2007–2008. Journal of Geophysical Research, 2011, 116, .	3.3	16
103	Random Walks in Model Brain Tissue. AIP Conference Proceedings, 2011, , .	0.3	7
104	Nonparametric tests of structure for high angular resolution diffusion imaging in Q-space. Annals of Applied Statistics, 2011, 5, .	0.5	0
105	Non-Gaussian diffusion imaging: a brief practical review. Magnetic Resonance Imaging, 2011, 29, 1410-1416.	1.0	85
106	Robust tensor estimation in diffusion tensor imaging. Journal of Magnetic Resonance, 2011, 213, 136-144.	1.2	19
108	Recent advances in diffusion MRI modeling: Angular and radial reconstruction. Medical Image Analysis, 2011, 15, 369-396.	7.0	94
109	Preliminary evidence of altered gray and white matter microstructural development in the frontal lobe of adolescents with attentionâ€deficit hyperactivity disorder: A diffusional kurtosis imaging study. Journal of Magnetic Resonance Imaging, 2011, 33, 17-23.	1.9	154
110	Anomalous diffusion measured by a twiceâ€refocused spin echo pulse sequence: Analysis using fractional order calculus. Journal of Magnetic Resonance Imaging, 2011, 33, 1177-1183.	1.9	28
111	More accurate estimation of diffusion tensor parameters using diffusion kurtosis imaging. Magnetic Resonance in Medicine, 2011, 65, 138-145.	1.9	202
112	Estimation of tensors and tensorâ€derived measures in diffusional kurtosis imaging. Magnetic Resonance in Medicine, 2011, 65, 823-836.	1.9	386
113	Anisotropic anomalous diffusion assessed in the human brain by scalar invariant indices. Magnetic Resonance in Medicine, 2011, 65, 1043-1052.	1.9	43

#	Article	IF	CITATIONS
114	Preterm neonatal diffusion processing using detection and replacement of outliers prior to resampling. Magnetic Resonance in Medicine, 2011, 66, 92-101.	1.9	41
115	Constrained maximum likelihood estimation of the diffusion kurtosis tensor using a Rician noise model. Magnetic Resonance in Medicine, 2011, 66, 678-686.	1.9	77
116	Diffusion tensor imaging and beyond. Magnetic Resonance in Medicine, 2011, 65, 1532-1556.	1.9	771
117	Statistical assessment of nonâ€Gaussian diffusion models. Magnetic Resonance in Medicine, 2011, 66, 1639-1648.	1.9	17
118	White matter lesions defined by diffusion tensor imaging in older adults. Annals of Neurology, 2011, 70, 465-476.	2.8	104
119	Preliminary observations of increased diffusional kurtosis in human brain following recent cerebral infarction. NMR in Biomedicine, 2011, 24, 452-457.	1.6	145
120	MRI evaluation of axonal reorganization after bone marrow stromal cell treatment of traumatic brain injury. NMR in Biomedicine, 2011, 24, 1119-1128.	1.6	55
121	DTI at 7 and 3 T: systematic comparison of SNR and its influence on quantitative metrics. Magnetic Resonance Imaging, 2011, 29, 739-751.	1.0	44
122	The displacement correlation tensor: Microstructure, ensemble anisotropy and curving fibers. Journal of Magnetic Resonance, 2011, 208, 34-43.	1.2	36
123	Effect of gradient pulse duration on MRI estimation of the diffusional kurtosis for a two-compartment exchange model. Journal of Magnetic Resonance, 2011, 210, 233-237.	1.2	13
124	Multiple q-shell diffusion propagator imaging. Medical Image Analysis, 2011, 15, 603-621.	7.0	157
125	Intravoxel Incoherent Motion in Body Diffusion-Weighted MRI: Reality and Challenges. American Journal of Roentgenology, 2011, 196, 1351-1361.	1.0	469
126	Optimized workflow for diffusion kurtosis imaging of newborns. , 2011, , .		2
127	Statistical evaluation of fitting models of diffusion tensor imaging in characterizing normal porcine myocardium. , 2011, , .		0
128	Diffusion kurtosis imaging discriminates patients with white matter lesions from healthy subjects. , 2011, 2011, 2796-9.		8
129	Characterization of Cerebral White Matter Properties Using Quantitative Magnetic Resonance Imaging Stains. Brain Connectivity, 2011, 1, 423-446.	0.8	387
130	Sparse Multi-Shell Diffusion Imaging. Lecture Notes in Computer Science, 2011, 14, 58-65.	1.0	38
131	Gliomas: Diffusion Kurtosis MR Imaging in Grading. Radiology, 2012, 263, 492-501.	3.6	311

#	Article	IF	CITATIONS
132	Stroke Assessment With Diffusional Kurtosis Imaging. Stroke, 2012, 43, 2968-2973.	1.0	206
133	Prostate Cancer: Feasibility and Preliminary Experience of a Diffusional Kurtosis Model for Detection and Assessment of Aggressiveness of Peripheral Zone Cancer. Radiology, 2012, 264, 126-135.	3.6	223
134	Diffusion Kurtosis and Diffusion-Tensor MR Imaging in Parkinson Disease. Radiology, 2012, 265, 645-646.	3.6	23
135	Diffusion kurtosis imaging with tract-based spatial statistics reveals white matter alterations in preschool children. , 2012, 2012, 2298-301.		3
136	NMR-based diffusion pore imaging. Physical Review E, 2012, 86, 021906.	0.8	36
137	Thalamus and Cognitive Impairment in Mild Traumatic Brain Injury: A Diffusional Kurtosis Imaging Study. Journal of Neurotrauma, 2012, 29, 2318-2327.	1.7	223
138	Parametric Mapping of Brain Tissues from Diffusion Kurtosis Tensor. Computational and Mathematical Methods in Medicine, 2012, 2012, 1-7.	0.7	4
139	Visualizing Non-Gaussian Diffusion: Clinical Application of q-Space Imaging and Diffusional Kurtosis Imaging of the Brain and Spine. Magnetic Resonance in Medical Sciences, 2012, 11, 221-233.	1.1	101
140	Approximating Symmetric Positive Semidefinite Tensors of Even Order. SIAM Journal on Imaging Sciences, 2012, 5, 434-464.	1.3	12
141	Stratification of Heterogeneous Diffusion MRI Ischemic Lesion With Kurtosis Imaging. Stroke, 2012, 43, 2252-2254.	1.0	94
142	A new Diffusion Metric, Diffusion Kurtosis Imaging, used in the Serial Examination of a Patient with Stroke. Acta Radiologica Short Reports, 2012, 1, 1-3.	0.7	17
143	Using the biophysical CHARMED model to elucidate the underpinnings of contrast in diffusional kurtosis analysis of diffusion-weighted MRI. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2012, 25, 267-276.	1.1	29
144	Diffusion kurtosis as an in vivo imaging marker for reactive astrogliosis in traumatic brain injury. NeuroImage, 2012, 59, 467-477.	2.1	265
145	Microstructural changes observed with DKI in a transgenic Huntington rat model: Evidence for abnormal neurodevelopment. NeuroImage, 2012, 59, 957-967.	2.1	59
146	Identification and characterization of Huntington related pathology: An in vivo DKI imaging study. NeuroImage, 2012, 63, 653-662.	2.1	34
147	Assessment of hepatocellular carcinoma using apparent diffusion coefficient and diffusion kurtosis indices: preliminary experience in fresh liver explants. Magnetic Resonance Imaging, 2012, 30, 1534-1540.	1.0	83
148	Comparison of different mathematical models of diffusion-weighted prostate MR imaging. Magnetic Resonance Imaging, 2012, 30, 1468-1474.	1.0	55
149	Quantifying hepatic fibrosis using a biexponential model of diffusion weighted imaging in ex vivo liver specimens. Magnetic Resonance Imaging, 2012, 30, 1475-1482.	1.0	12

#	Article	IF	CITATIONS
150	The emerging role of diffusion-weighted MRI in prostate cancer management. Nature Reviews Urology, 2012, 9, 94-101.	1.9	34
151	Extension of the intravoxel incoherent motion model to nonâ€gaussian diffusion in head and neck cancer. Journal of Magnetic Resonance Imaging, 2012, 36, 1088-1096.	1.9	74
152	Lung morphometry with hyperpolarized ¹²⁹ Xe: Theoretical background. Magnetic Resonance in Medicine, 2012, 67, 856-866.	1.9	57
153	Advanced fit of the diffusion kurtosis tensor by directional weighting and regularization. Magnetic Resonance in Medicine, 2012, 67, 1401-1411.	1.9	22
154	A simple isotropic phantom for diffusional kurtosis imaging. Magnetic Resonance in Medicine, 2012, 68, 537-542.	1.9	15
155	Modelâ€based analysis of multishell diffusion MR data for tractography: How to get over fitting problems. Magnetic Resonance in Medicine, 2012, 68, 1846-1855.	1.9	336
156	Diffusion kurtosis imaging and logâ€normal distribution function imaging enhance the visualisation of lesions in animal stroke models. NMR in Biomedicine, 2012, 25, 1295-1304.	1.6	52
157	Diffusion abnormalities in temporal lobes of children with temporal lobe epilepsy: a preliminary diffusional kurtosis imaging study and comparison with diffusion tensor imaging. NMR in Biomedicine, 2012, 25, 1369-1377.	1.6	64
158	Functional MRI and Diffusion Tensor Imaging of Brain Reorganization After Experimental Stroke. Translational Stroke Research, 2012, 3, 36-43.	2.3	99
159	A review of magnetic resonance imaging and diffusion tensor imaging findings in mild traumatic brain injury. Brain Imaging and Behavior, 2012, 6, 137-192.	1.1	777
160	New diffusion metrics for spondylotic myelopathy at an early clinical stage. European Radiology, 2012, 22, 1797-1802.	2.3	63
161	Spatiotemporal dynamics of diffusional kurtosis, mean diffusivity and perfusion changes in experimental stroke. Brain Research, 2012, 1451, 100-109.	1.1	76
162	The γ parameter of the stretched-exponential model is influenced by internal gradients: Validation in phantoms. Journal of Magnetic Resonance, 2012, 216, 28-36.	1.2	21
163	Novel multisection design of anisotropic diffusion phantoms. Magnetic Resonance Imaging, 2012, 30, 518-526.	1.0	36
164	Determination of Axonal and Dendritic Orientation Distributions Within the Developing Cerebral Cortex by Diffusion Tensor Imaging. IEEE Transactions on Medical Imaging, 2012, 31, 16-32.	5.4	136
165	Background and mathematical analysis of diffusion MRI methods. International Journal of Imaging Systems and Technology, 2012, 22, 44-52.	2.7	4
166	Twoâ€step anomalous diffusion tensor imaging. NMR in Biomedicine, 2012, 25, 286-294.	1.6	21
167	Equivalence of double and single wave vector diffusion contrast at low diffusion weighting. NMR in Biomedicine, 2012, 25, 813-818.	1.6	76

ARTICLE IF CITATIONS Estimating nonâ€gaussian diffusion model parameters in the presence of physiological noise and rician 1.9 19 168 signal bias. Journal of Magnetic Resonance Imaging, 2012, 35, 181-189. Physical Exercise Alleviates ADHD Symptoms: Regional Deficits and Development Trajectory. Neurotoxicity Research, 2012, 21, 195-209. 1.3 89 Intravoxel incoherent motion MR imaging for prostate cancer: An evaluation of perfusion fraction and diffusion coefficient derived from different <i>b</i>A€value combinations. Magnetic Resonance in 170 1.9 169 Medicine, 2013, 69, 553-562. Oscillating and pulsed gradient diffusion magnetic resonance microscopy over an extended <i>b</i>â
value range: Implications for the characterization of tissue microstructure. Magnetic Resonance in Medicine, 2013, 69, 1131-1145. 171 Histogram-Based Apparent Diffusion Coefficient Analysis: An Emerging Tool for Cervical Cancer 172 1.0 37 Characterization?. American Journal of Roentgenology, 2013, 200, 311-313. Diffusion MR imaging: How to get the maximum from the experimental time. Translational Neuroscience, 2013, 4, . Subchronic memantine induced concurrent functional disconnectivity and altered ultra-structural 174 tissue integrity in the rodent brain: revealed by multimodal MRI. Psychopharmacology, 2013, 227, 1.5 18 479-491. Microstructural changes of the corticospinal tract in idiopathic normal pressure hydrocephalus: a 1.1 37 comparison of diffusion tensor and diffusional kurtosis imaging. Neuroradiology, 2013, 55, 971-976. Altered diffusion tensor imaging measurements in aged transgenic Huntington disease rats. Brain Structure and Function, 2013, 218, 767-778. 176 1.2 19 Effects of diffusional kurtosis imaging parameters on diffusion quantification. Radiological Physics 1.0 and Technology, 2013, 6, 343-348. A Preliminary Study of Epilepsy in Children Using Diffusional Kurtosis Imaging. Clinical 178 1.0 23 Neuroradiológy, 2013, 23, 293-300. Correlations between microstructural alterations and severity of cognitive deficiency in Alzheimer's 179 disease and mild cognitive impairment: a diffusional kurtosis imaging study. Magnetic Resonance 1.0 94 Imaging, 2013, 31, 688-694. Variability in diffusion kurtosis imaging: Impact on study design, statistical power and interpretation. 181 2.1 62 Neurolmage, 2013, 76, 145-154. Introduction to Diffusion Imaging., 2013, , 5-40. Sensitivities of statistical distribution model and diffusion kurtosis model in varying 183 1.2 27 microstructural environments: A Monte Carlo study. Journal of Magnetic Resonance, 2013, 230, 19-26. On the estimation of conventional DTI-derived indices by fitting the non-Gaussian DKI model to 184 1.1 diffusion-weighted imaging datasets. Neuroradiology, 2013, 55, 1423-1424. Walk the Line: From Diffusion Imaging to the Microstructure of the Brain. Clinical Neuroradiology, 185 1.0 1 2013, 23, 261-262. Improvement of Partial Volume Segmentation for Brain Tissue on Diffusion Tensor Images Using 1.6 Multiple-Tensor Estimation. Journal of Digital Imaging, 2013, 26, 1131-1140.

#	Article	IF	CITATIONS
187	Can we develop pathologyâ€specific MRI contrast for " <scp>MR</scp> â€negative―epilepsy?. Epilepsia, 201 54, 71-74.	.3,2.6	5
188	Utility of Diffusional Kurtosis Imaging as a Marker of Adverse Pathologic Outcomes Among Prostate Cancer Active Surveillance Candidates Undergoing Radical Prostatectomy. American Journal of Roentgenology, 2013, 201, 840-846.	1.0	40
189	Novel White Matter Tract Integrity Metrics Sensitive to Alzheimer Disease Progression. American Journal of Neuroradiology, 2013, 34, 2105-2112.	1.2	128
190	Effect of cerebral spinal fluid suppression for diffusional kurtosis imaging. Journal of Magnetic Resonance Imaging, 2013, 37, 365-371.	1.9	46
191	Hybrid [18F]-FDG PET/MRI including non-Gaussian diffusion-weighted imaging (DWI): Preliminary results in non-small cell lung cancer (NSCLC). European Journal of Radiology, 2013, 82, 2055-2060.	1.2	29
192	Diffusion restriction in the human spinal cord characterized in vivo with high b-value STEAM diffusion imaging. NeuroImage, 2013, 82, 416-425.	2.1	12
193	Evaluation of white matter myelin water fraction in chronic stroke. Neurolmage: Clinical, 2013, 2, 569-580.	1.4	70
194	Evaluation of optimized b-value sampling schemas for diffusion kurtosis imaging with an application to stroke patient data. Computerized Medical Imaging and Graphics, 2013, 37, 272-280.	3.5	22
195	Diffusional kurtosis imaging of cingulate fibers in Parkinson disease: Comparison with conventional diffusion tensor imaging. Magnetic Resonance Imaging, 2013, 31, 1501-1506.	1.0	76
196	Spatio-temporal anomalous diffusion imaging: results in controlled phantoms and in excised human meningiomas. Magnetic Resonance Imaging, 2013, 31, 359-365.	1.0	28
197	Diffusion Magnetic Resonance Imaging and Fiber Tractography. PET Clinics, 2013, 8, 279-293.	1.5	1
198	Non-Gaussian diffusion MRI assessment of brain microstructure in mild cognitive impairment and Alzheimer's disease. Magnetic Resonance Imaging, 2013, 31, 840-846.	1.0	106
199	Mean apparent propagator (MAP) MRI: A novel diffusion imaging method for mapping tissue microstructure. Neurolmage, 2013, 78, 16-32.	2.1	320
200	White matter integrity, fiber count, and other fallacies: The do's and don'ts of diffusion MRI. NeuroImage, 2013, 73, 239-254.	2.1	2,042
201	The role of tissue microstructure and water exchange in biophysical modelling of diffusion in white matter. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2013, 26, 345-370.	1.1	123
202	Weighted linear least squares estimation of diffusion MRI parameters: Strengths, limitations, and pitfalls. NeuroImage, 2013, 81, 335-346.	2.1	407
203	White matter maturation in the brains of Long Evans shaker myelin mutant rats by ex-vivo QSI and DTI. Magnetic Resonance Imaging, 2013, 31, 1097-1104.	1.0	8
204	Gradient skewness tensors and local illumination detection for images. Journal of Computational and Applied Mathematics, 2013, 237, 663-671.	1.1	9

#	Article	IF	CITATIONS
205	Diffusional kurtosis imaging of normal-appearing white matter in multiple sclerosis: preliminary clinical experience. Japanese Journal of Radiology, 2013, 31, 50-55.	1.0	69
206	Cognitive Impairment in Mild Traumatic Brain Injury: A Longitudinal Diffusional Kurtosis and Perfusion Imaging Study. American Journal of Neuroradiology, 2013, 34, 951-957.	1.2	161
208	Improved Conspicuity and Delineation of High-Grade Primary and Metastatic Brain Tumors Using "Restriction Spectrum Imagingâ€: Quantitative Comparison with High B-Value DWI and ADC. American Journal of Neuroradiology, 2013, 34, 958-964.	1.2	87
209	Advanced MR Imaging of Gliomas: An Update. BioMed Research International, 2013, 2013, 1-14.	0.9	65
210	A Better Characterization of Spinal Cord Damage in Multiple Sclerosis: A Diffusional Kurtosis Imaging Study. American Journal of Neuroradiology, 2013, 34, 1846-1852.	1.2	64
211	Apparent Diffusion Coefficient and Beyond: What Diffusion MR Imaging Can Tell Us about Tissue Structure. Radiology, 2013, 268, 318-322.	3.6	315
212	Morphological Heterogeneity by Diffusional Kurtosis NMR Spectroscopy in Perfluorosulfonic Acid/SiO ₂ Composite Protonâ€Exchange Membranes. Macromolecular Chemistry and Physics, 2013, 214, 1345-1355.	1.1	6
213	Optimized quantification of diffusional nonâ€gaussianity in the human brain. Journal of Magnetic Resonance Imaging, 2013, 38, 1434-1444.	1.9	8
214	Orientationally invariant metrics of apparent compartment eccentricity from double pulsed field gradient diffusion experiments. NMR in Biomedicine, 2013, 26, 1647-1662.	1.6	175
215	Regional values of diffusional kurtosis estimates in the healthy brain. Journal of Magnetic Resonance Imaging, 2013, 37, 610-618.	1.9	71
216	On the least-square estimation of parameters for statistical diffusion weighted imaging model. , 2013, 2013, 4406-9.		1
217	Multipleâ€echo diffusion tensor acquisition technique (MEDITATE) on a 3T clinical scanner. NMR in Biomedicine, 2013, 26, 1471-1483.	1.6	9
218	Microstructural integrity of early―versus lateâ€myelinating white matter tracts in medial temporal lobe epilepsy. Epilepsia, 2013, 54, 1801-1809.	2.6	32
219	Determination of the appropriate <i>b</i> value and number of gradient directions for highâ€angularâ€resolution diffusionâ€weighted imaging. NMR in Biomedicine, 2013, 26, 1775-1786.	1.6	346
220	NMR-based diffusion pore imaging by double wave vector measurements. Magnetic Resonance in Medicine, 2013, 70, 836-841.	1.9	21
221	Diffusion kurtosis imaging to detect amyloidosis in an APP/PS1 mouse model for Alzheimer's disease. Magnetic Resonance in Medicine, 2013, 69, 1115-1121.	1.9	46
222	Experimentally and computationally fast method for estimation of a mean kurtosis. Magnetic Resonance in Medicine, 2013, 69, 1754-1760.	1.9	101
223	Comprehensive framework for accurate diffusion MRI parameter estimation. Magnetic Resonance in Medicine, 2013, 70, 972-984.	1.9	89

#	Article	IF	CITATIONS
224	Lateral and Dorsal Column Hyperintensity on Magnetic Resonance Imaging in a Patient with Myelopathy Associated with Intrathecal Chemotherapy. Case Reports in Neurology, 2013, 5, 110-115.	0.3	6
225	Comparison of Neurite Density Measured by MRI and Histology after TBI. PLoS ONE, 2013, 8, e63511.	1.1	19
226	Sex dimorphism of cortical water diffusion in normal aging measured by magnetic resonance imaging. Frontiers in Aging Neuroscience, 2013, 5, 71.	1.7	7
227	Probing white-matter microstructure with higher-order diffusion tensors and susceptibility tensor MRI. Frontiers in Integrative Neuroscience, 2013, 7, 11.	1.0	18
228	Complete fourier direct magnetic resonance imaging (CFD-MRI) for diffusion MRI. Frontiers in Integrative Neuroscience, 2013, 7, 18.	1.0	3
229	Using diffusion anisotropy to characterize neuronal morphology in gray matter: the orientation distribution of axons and dendrites in the NeuroMorpho.org database. Frontiers in Integrative Neuroscience, 2013, 7, 31.	1.0	25
230	Brain Connectivity Plasticity in the Motor Network after Ischemic Stroke. Neural Plasticity, 2013, 2013, 1-11.	1.0	56
231	Motor Parkinson's disease and structure. , 0, , 26-43.		0
232	Non-Gaussian Analysis of Diffusion Weighted Imaging in Head and Neck at 3T: A Pilot Study in Patients with Nasopharyngeal Carcinoma. PLoS ONE, 2014, 9, e87024.	1.1	72
233	Non-Gaussian Diffusion Imaging for Enhanced Contrast of Brain Tissue Affected by Ischemic Stroke. PLoS ONE, 2014, 9, e89225.	1.1	53
234	Influence of Noise Correction on Intra- and Inter-Subject Variability of Quantitative Metrics in Diffusion Kurtosis Imaging. PLoS ONE, 2014, 9, e94531.	1.1	34
235	A Robust Post-Processing Workflow for Datasets with Motion Artifacts in Diffusion Kurtosis Imaging. PLoS ONE, 2014, 9, e94592.	1.1	17
236	Diffusion Kurtosis Imaging and High-Resolution MRI Demonstrate Structural Aberrations of Caudate Putamen and Amygdala after Chronic Mild Stress. PLoS ONE, 2014, 9, e95077.	1.1	59
237	Characterization of Breast Tumors Using Diffusion Kurtosis Imaging (DKI). PLoS ONE, 2014, 9, e113240.	1.1	62
238	Microanisotropy imaging: quantification of microscopic diffusion anisotropy and orientational order parameter by diffusion MRI with magic-angle spinning of the q-vector. Frontiers in Physics, 2014, 2, .	1.0	163
239	Diffusion tensor imaging in Alzheimer's disease: insights into the limbic-diencephalic network and methodological considerations. Frontiers in Aging Neuroscience, 2014, 6, 266.	1.7	96
240	Diffusion-Weighted Imaging of the Spinal Cord. , 2014, , 123-145.		6

|--|

10

#	Article	IF	CITATIONS
242	Fast and Robust Estimation of Diffusional Kurtosis Imaging (DKI) Parameters by General Closed-form Expressions and their Extensions. Magnetic Resonance in Medical Sciences, 2014, 13, 97-115.	1.1	17
243	Magnetic Resonance Characterization of Tissue Engineered Cartilage via Changes in Relaxation Times, Diffusion Coefficient, and Shear Modulus. Critical Reviews in Biomedical Engineering, 2014, 42, 137-191.	0.5	7
244	Characterization of White and Gray Matters in healthy brain: An in-vivo Diffusion Kurtosis Imaging study. , 2014, , .		1
245	A review of the use of magnetic resonance imaging in Parkinson's disease. Therapeutic Advances in Neurological Disorders, 2014, 7, 206-220.	1.5	111
246	Assessment of in vivo microstructure alterations in gray matter using DKI in internet gaming addiction. Behavioral and Brain Functions, 2014, 10, 37.	1.4	35
247	Evaluation of the fitting process in diffusion MRI analysis using digital phantom of the human brain. , 2014, , .		0
248	Moving Beyond DTI. , 2014, , 65-78.		5
249	Interrogation of living myocardium in multiple static deformation states with diffusion tensor and diffusion spectrum imaging. Progress in Biophysics and Molecular Biology, 2014, 115, 213-225.	1.4	19
250	New Insights into the Fractional Order Diffusion Equation Using Entropy and Kurtosis. Entropy, 2014, 16, 5838-5852.	1.1	26
251	A dual spherical model for multi-shell diffusion imaging. , 2014, , .		1
252	Cross-Subject Comparison of Local Diffusion MRI Parameters. , 2014, , 209-239.		3
253	Time Course of Axial and Radial Diffusion Kurtosis of White Matter Infarctions: Period of Pseudonormalization. American Journal of Neuroradiology, 2014, 35, 1509-1514.	1.2	18
254	Neuromyelitis Optica: A Diffusional Kurtosis Imaging Study. American Journal of Neuroradiology, 2014, 35, 2287-2292.	1.2	16
255	Sufficiency of diffusion tensor in characterizing the diffusion MRI signal to leading order in diffusion weighting. NMR in Biomedicine, 2014, 27, 1005-1007.	1.6	12
256	Distinct effects of nuclear volume fraction and cell diameter on high bâ€value diffusion MRI contrast in tumors. Magnetic Resonance in Medicine, 2014, 72, 1435-1443.	1.9	37
257	Investigating the Capability to Resolve Complex White Matter Structures with High <i>b</i> -Value Diffusion Magnetic Resonance Imaging on the MGH-USC Connectom Scanner. Brain Connectivity, 2014, 4, 718-726.	0.8	53
258	Accelerated multiâ€shot diffusion imaging. Magnetic Resonance in Medicine, 2014, 72, 324-336.	1.9	11
259	Leading nonâ€Gaussian corrections for diffusion orientation distribution function. NMR in Biomedicine, 2014, 27, 202-211.	1.6	35

#	Article	IF	CITATIONS
260	Diffusional kurtosis imaging reveals a distinctive pattern of microstructural alternations in idiopathic generalized epilepsy. Acta Neurologica Scandinavica, 2014, 130, 148-155.	1.0	30
261	Functional Magnetic Resonance Imaging Processing. , 2014, , .		4
262	Statistical analysis of multi-b factor diffusion weighted images can help distinguish between vasogenic and tumor-infiltrated edema. Journal of Magnetic Resonance Imaging, 2014, 40, 622-629.	1.9	8
263	Probing lung microstructure with hyperpolarized noble gas diffusion MRI: theoretical models and experimental results. Magnetic Resonance in Medicine, 2014, 71, 486-505.	1.9	33
264	Recent Developments in Multiparametric Prostate MR Imaging. Current Radiology Reports, 2014, 2, 1.	0.4	1
265	Nonâ€gaussian diffusionâ€weighted imaging for assessing diurnal changes in intervertebral disc microstructure. Journal of Magnetic Resonance Imaging, 2014, 40, 1208-1214.	1.9	10
266	Validation of fast diffusion kurtosis MRI for imaging acute ischemia in a rodent model of stroke. NMR in Biomedicine, 2014, 27, 1413-1418.	1.6	37
267	Diffusion weighted imaging of prefrontal cortex in prodromal huntington's disease. Human Brain Mapping, 2014, 35, 1562-1573.	1.9	49
268	Spatial mapping of translational diffusion coefficients using diffusion tensor imaging: A mathematical description. Concepts in Magnetic Resonance Part A: Bridging Education and Research, 2014, 43, 1-27.	0.2	3
269	Multi-tissue constrained spherical deconvolution for improved analysis of multi-shell diffusion MRI data. NeuroImage, 2014, 103, 411-426.	2.1	1,063
270	Diffusion-Weighted Magnetic Resonance Imaging of the Pancreas. Investigative Radiology, 2014, 49, 93-100.	3.5	63
271	Diffusion-weighted imaging: determination of the best pair of <i>b</i> -values to discriminate breast lesions. British Journal of Radiology, 2014, 87, 20130807.	1.0	19
272	The Neurobiology of Childhood. Current Topics in Behavioral Neurosciences, 2014, , .	0.8	4
274	Diffusion Tensor Imaging in the Study of Aging and Age-Associated Neural Disease. , 2014, , 257-281.		11
275	Whole-Body Diffusion Kurtosis Imaging. Investigative Radiology, 2014, 49, 773-778.	3.5	45
276	A macroscopic view of microstructure: Using diffusion-weighted images to infer damage, repair, and plasticity of white matter. Neuroscience, 2014, 276, 14-28.	1.1	104
277	Attentionâ€deficit/hyperactivity disorder without comorbidity is associated with distinct atypical patterns of cerebral microstructural development. Human Brain Mapping, 2014, 35, 2148-2162.	1.9	49
278	Cervical spondylosis: Evaluation of microstructural changes in spinal cord white matter and gray matter by diffusional kurtosis imaging. Magnetic Resonance Imaging, 2014, 32, 428-432.	1.0	33

#	Article	IF	CITATIONS
279	Non-Gaussian water diffusion kurtosis imaging of prostate cancer. Magnetic Resonance Imaging, 2014, 32, 421-427.	1.0	78
280	Can diffusion kurtosis imaging improve the sensitivity and specificity of detecting microstructural alterations in brain tissue chronically after experimental stroke? Comparisons with diffusion tensor imaging and histology. NeuroImage, 2014, 97, 363-373.	2.1	101
281	Non-Gaussian water diffusion in aging white matter. Neurobiology of Aging, 2014, 35, 1412-1421.	1.5	80
282	Feasibility of diffusional kurtosis tensor imaging in prostate MRI for the assessment of prostate cancer: Preliminary results. Magnetic Resonance Imaging, 2014, 32, 880-885.	1.0	52
283	White matter organization in relation to upper limb motor control in healthy subjects: exploring the added value of diffusion kurtosis imaging. Brain Structure and Function, 2014, 219, 1627-1638.	1.2	17
284	A preliminary diffusional kurtosis imaging study of Parkinson disease: comparison with conventional diffusion tensor imaging. Neuroradiology, 2014, 56, 251-258.	1.1	94
285	Diffusional kurtosis imaging analysis in patients with hypertension. Japanese Journal of Radiology, 2014, 32, 98-104.	1.0	13
286	Diffusionâ€weighted signal models in healthy and cancerous peripheral prostate tissues: Comparison of outcomes obtained at different bâ€values. Journal of Magnetic Resonance Imaging, 2014, 39, 512-518.	1.9	33
287	Evaluation of hepatic focal lesions using diffusionâ€weighted MR imaging: Comparison of apparent diffusion coefficient and intravoxel incoherent motionâ€derived parameters. Journal of Magnetic Resonance Imaging, 2014, 39, 276-285.	1.9	93
288	Traumatic white matter injury and glial activation: From basic science to clinics. Glia, 2014, 62, 1831-1855.	2.5	81
289	High-field small animal magnetic resonance oncology studies. Physics in Medicine and Biology, 2014, 59, R65-R127.	1.6	13
290	Numerical simulation of diffusion MRI signals using an adaptive time-stepping method. Physics in Medicine and Biology, 2014, 59, 441-454.	1.6	21
292	Diffusion-Weighted Imaging and Demyelinating Diseases: New Aspects of an Old Advanced Sequence. American Journal of Roentgenology, 2014, 202, W34-W42.	1.0	30
293	Diffusion Kurtosis Imaging: An Emerging Technique for Evaluating the Microstructural Environment of the Brain. American Journal of Roentgenology, 2014, 202, W26-W33.	1.0	293
295	Human brain asymmetry in microstructural connectivity demonstrated by diffusional kurtosis imaging. Brain Research, 2014, 1588, 73-80.	1.1	11
296	Comprehensive and quantitative study of rankâ€4 order diffusion tensor imaging and positive definite rankâ€4 order diffusion tensor imaging: A higher order tensor imaging study. International Journal of Imaging Systems and Technology, 2014, 24, 83-93.	2.7	0
297	Information theoretic ranking of four models of diffusion attenuation in fresh and fixed prostate tissue ex vivo. Magnetic Resonance in Medicine, 2014, 72, 1418-1426.	1.9	39
298	A Macroscopic Model Including Membrane Exchange for Diffusion MRI. SIAM Journal on Applied Mathematics, 2014, 74, 516-546.	0.8	16

#	Article	IF	CITATIONS
299	Avian egg latebra as brain tissue water diffusion model. Magnetic Resonance in Medicine, 2014, 72, 501-509.	1.9	5
300	Doubleâ€pulsed diffusional kurtosis imaging. NMR in Biomedicine, 2014, 27, 363-370.	1.6	31
301	Preoperative Diffusion Tensor Imaging. Neuroimaging Clinics of North America, 2014, 24, 599-617.	0.5	27
302	Numerical study of a macroscopic finite pulse model of the diffusion MRI signal. Journal of Magnetic Resonance, 2014, 248, 54-65.	1.2	18
303	Diffusion kurtosis imaging study of prostate cancer: Preliminary findings. Journal of Magnetic Resonance Imaging, 2014, 40, 723-729.	1.9	93
304	Visualization and Processing of Tensors and Higher Order Descriptors for Multi-Valued Data. Mathematics and Visualization, 2014, , .	0.4	6
305	Diffusional Kurtosis Imaging of the Developing Brain. American Journal of Neuroradiology, 2014, 35, 808-814.	1.2	72
306	Advanced Methods to Study White Matter Microstructure. , 2014, , 156-163.		4
307	Diffusion-Weighted Imaging in Cancer: Physical Foundations and Applications of Restriction Spectrum Imaging. Cancer Research, 2014, 74, 4638-4652.	0.4	179
308	Quantifying white matter tract diffusion parameters in the presence of increased extra-fiber cellularity and vasogenic edema. NeuroImage, 2014, 101, 310-319.	2.1	108
309	Diffusion-Weighted Imaging of the Liver. Magnetic Resonance Imaging Clinics of North America, 2014, 22, 373-395.	0.6	54
310	Multi-shell diffusion signal recovery from sparse measurements. Medical Image Analysis, 2014, 18, 1143-1156.	7.0	46
311	A fast schema for parameter estimation in diffusion kurtosis imaging. Computerized Medical Imaging and Graphics, 2014, 38, 469-480.	3.5	5
312	Histological correlation of diffusional kurtosis and white matter modeling metrics in cuprizoneâ€induced corpus callosum demyelination. NMR in Biomedicine, 2014, 27, 948-957.	1.6	80
313	Exploring diffusion across permeable barriers at high gradients. II. Localization regime. Journal of Magnetic Resonance, 2014, 248, 164-176.	1.2	30
314	Advanced diffusion MRI fiber tracking in neurosurgical and neurodegenerative disorders and neuroanatomical studies: A review. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2014, 1842, 2286-2297.	1.8	93
315	Application of the diffusion kurtosis model for the study of breast lesions. European Radiology, 2014, 24, 1197-1203.	2.3	104
316	Diffusion Tensor MRI of the Heart – In Vivo Imaging of Myocardial Fiber Architecture. Current Cardiovascular Imaging Reports, 2014, 7, 1.	0.4	19

#	Article	IF	CITATIONS
317	Diffusion-Weighted MR Imaging in Oncology. Current Radiology Reports, 2014, 2, 1.	0.4	4
318	In vivo assessment of white matter damage in neuromyelitis optica: A diffusion tensor and diffusion kurtosis MR imaging study. Journal of the Neurological Sciences, 2014, 345, 172-175.	0.3	18
319	Advanced Magnetic Resonance Imaging of the Physical Processes in Human Glioblastoma. Cancer Research, 2014, 74, 4622-4637.	0.4	123
320	Pre-clinical functional Magnetic Resonance Imaging part I: The kidney. Zeitschrift Fur Medizinische Physik, 2014, 24, 286-306.	0.6	11
321	Characterizing nonâ€gaussian, high bâ€value diffusion in liver fibrosis: Stretched exponential and diffusional kurtosis modeling. Journal of Magnetic Resonance Imaging, 2014, 39, 827-834.	1.9	58
322	Diffusion kurtosis imaging of the human kidney: A feasibility study. Magnetic Resonance Imaging, 2014, 32, 413-420.	1.0	62
323	White matter tract integrity metrics reflect the vulnerability of late-myelinating tracts in Alzheimer's disease. NeuroImage: Clinical, 2014, 4, 64-71.	1.4	106
324	Multiple sclerosis: Benefits of q-space imaging in evaluation of normal-appearing and periplaque white matter. Magnetic Resonance Imaging, 2014, 32, 625-629.	1.0	15
325	Aging in deep gray matter and white matter revealed by diffusional kurtosis imaging. Neurobiology of Aging, 2014, 35, 2203-2216.	1.5	62
326	Adaptive smoothing of multi-shell diffusion weighted magnetic resonance data by msPOAS. NeuroImage, 2014, 95, 90-105.	2.1	36
327	Diffusion Tensor Imaging Findings in Semi-Acute Mild Traumatic Brain Injury. Journal of Neurotrauma, 2014, 31, 1235-1248.	1.7	69
328	Automated correction of improperly rotated diffusion gradient orientations in diffusion weighted MRI. Medical Image Analysis, 2014, 18, 953-962.	7.0	29
329	Inferring Microstructural Information ofÂWhiteÂMatter from Diffusion MRI. , 2014, , 185-208.		2
330	Perpendicular fibre tracking for neural fibre bundle analysis using diffusion MRI. International Journal of Bioinformatics Research and Applications, 2014, 10, 75.	0.1	0
331	Constrained diffusion kurtosis imaging using ternary quartics & MLE. Magnetic Resonance in Medicine, 2014, 71, 1581-1591.	1.9	19
332	Differentiating high and low grade pediatric brain tumors using diffusional kurtosis imaging. Journal of Pediatric Neuroradiology, 2015, 02, 301-305.	0.1	0
333	Anistropic sampling shape of white matter microstructure cannot cheat the diffusional kurtosis. , 2015, , .		0
334	Mathematical models for diffusionâ€weighted imaging of prostate cancer using b values up to 2000 s/mm ² : Correlation with Gleason score and repeatability of region of interest analysis. Magnetic Resonance in Medicine, 2015, 74, 1116-1124.	1.9	53

#	Article	IF	CITATIONS
335	Fractional motion model for characterization of anomalous diffusion from NMR signals. Physical Review E, 2015, 92, 012707.	0.8	29
336	Estimation of diffusion properties in three-way fiber crossings without overfitting. Physics in Medicine and Biology, 2015, 60, 9123-9144.	1.6	8
337	Evaluation of diffusion models in breast cancer. Medical Physics, 2015, 42, 4833-4839.	1.6	16
338	Evolving Evidence for the Value of Neuroimaging Methods and Biological Markers in Subjects Categorized with Subjective Cognitive Decline. Journal of Alzheimer's Disease, 2015, 48, S171-S191.	1.2	34
339	Diffusion Kurtosis Imaging: A Possible MRI Biomarker for AD Diagnosis?. Journal of Alzheimer's Disease, 2015, 48, 937-948.	1.2	50
340	Diffusion kurtosis imaging predicts neoadjuvant chemotherapy responses within 4 days in advanced nasopharyngeal carcinoma patients. Journal of Magnetic Resonance Imaging, 2015, 42, 1354-1361.	1.9	50
341	Free water elimination diffusion tractography: A comparison with conventional and fluidâ€attenuated inversion recovery, diffusion tensor imaging acquisitions. Journal of Magnetic Resonance Imaging, 2015, 42, 1572-1581.	1.9	23
342	Optimization of <i>b</i> -value distribution for four mathematical models of prostate cancer diffusion-weighted imaging using <i>b</i> values up to 2000 s/mm ² : Simulation and repeatability study. Magnetic Resonance in Medicine, 2015, 73, 1954-1969.	1.9	52
343	A simple and robust test object for the assessment of isotropic diffusion kurtosis. Magnetic Resonance in Medicine, 2015, 73, 1844-1851.	1.9	5
344	Toward tract-specific fractional anisotropy (TSFA) at crossing-fiber regions with clinical diffusion MRI. Magnetic Resonance in Medicine, 2015, 74, 1768-1779.	1.9	18
345	Comparison of fitting methods and bâ€value sampling strategies for intravoxel incoherent motion in breast cancer. Magnetic Resonance in Medicine, 2015, 74, 1077-1085.	1.9	95
346	Optimization of white matter fiber tractography with diffusional kurtosis imaging. NMR in Biomedicine, 2015, 28, 1245-1256.	1.6	29
347	Diffusion Imaging in the Rat Cervical Spinal Cord. Journal of Visualized Experiments, 2015, , .	0.2	8
348	Accuracies and Contrasts of Models of the Diffusion-weighted-dependent Attenuation of the Mri Signal at Intermediate B-values. Magnetic Resonance Insights, 2015, 8, MRI.S25301.	2.5	7
349	Lower cognitive performance and white matter changes in testicular cancer survivors 10 years after chemotherapy. Human Brain Mapping, 2015, 36, 4638-4647.	1.9	53
350	Microstructural brain abnormalities of children of idiopathic generalized epilepsy with generalized tonicâ€clonic seizure: A voxelâ€based diffusional kurtosis imaging study. Journal of Magnetic Resonance Imaging, 2015, 41, 1088-1095.	1.9	15
351	In vivo imaging of the timeâ€dependent apparent diffusional kurtosis in the human calf muscle. Journal of Magnetic Resonance Imaging, 2015, 41, 1581-1590.	1.9	23
352	Assessment of non-Gaussian diffusion with singly and doubly stretched biexponential models of diffusion-weighted MRI (DWI) signal attenuation in prostate tissue. NMR in Biomedicine, 2015, 28, 486-495	1.6	18

#	Article	IF	CITATIONS
353	Detecting compartmental nonâ€Gaussian diffusion with symmetrized doubleâ€₱FG MRI. NMR in Biomedicine, 2015, 28, 1550-1556.	1.6	23
354	Investigation of the Non-Gaussian Water Diffusion Properties in Bladder Cancer Using Diffusion Kurtosis Imaging. Journal of Computer Assisted Tomography, 2015, 39, 281-285.	0.5	22
355	NTUâ€DSIâ€122: A diffusion spectrum imaging template with high anatomical matching to the ICBMâ€152 space. Human Brain Mapping, 2015, 36, 3528-3541.	1.9	52
356	Body diffusion kurtosis imaging: Basic principles, applications, and considerations for clinical practice. Journal of Magnetic Resonance Imaging, 2015, 42, 1190-1202.	1.9	274
357	Iterative reweighted linear least squares for accurate, fast, and robust estimation of diffusion magnetic resonance parameters. Magnetic Resonance in Medicine, 2015, 73, 2174-2184.	1.9	48
358	Quantitative assessment of diffusional kurtosis anisotropy. NMR in Biomedicine, 2015, 28, 448-459.	1.6	86
359	Evaluation of different mathematical models for diffusion-weighted imaging of normal prostate and prostate cancer using high b-values: A repeatability study. Magnetic Resonance in Medicine, 2015, 73, 1988-1998.	1.9	72
360	Optimal diffusion weighting for in vivo cardiac diffusion tensor imaging. Magnetic Resonance in Medicine, 2015, 74, 420-430.	1.9	45
361	Examination of Hippocampal Differences Between Alzheimer Disease, Amnestic Mild Cognitive Impairment and Normal Aging: Diffusion Kurtosis. Current Alzheimer Research, 2015, 12, 80-87.	0.7	25
362	Recent advancements in diffusion MRI for investigating cortical development after preterm birthââ,¬â€potential and pitfalls. Frontiers in Human Neuroscience, 2014, 8, 1066.	1.0	9
363	High-resolution diffusion kurtosis imaging at 3T enabled by advanced post-processing. Frontiers in Neuroscience, 2014, 8, 427.	1.4	22
364	Whole-Brain In-vivo Measurements of the Axonal G-Ratio in a Group of 37 Healthy Volunteers. Frontiers in Neuroscience, 2015, 9, 441.	1.4	97
365	Evaluation of Non-Local Means Based Denoising Filters for Diffusion Kurtosis Imaging Using a New Phantom. PLoS ONE, 2015, 10, e0116986.	1.1	16
366	Changes in Diffusion Kurtosis Imaging and Magnetic Resonance Spectroscopy in a Direct Cranial Blast Traumatic Brain Injury (dc-bTBI) Model. PLoS ONE, 2015, 10, e0136151.	1.1	13
367	Parsimonious continuous time random walk models and kurtosis for diffusion in magnetic resonance of biological tissue. Frontiers in Physics, 2015, 3, .	1.0	21
368	Cognitive Impairment, Neuroimaging, and Alzheimer Neuropathology in Mouse Models of Down Syndrome. Current Alzheimer Research, 2015, 13, 35-52.	0.7	41
369	Diffusion Kurtosis Imaging of Substantia Nigra Is a Sensitive Method for Early Diagnosis and Disease Evaluation in Parkinson's Disease. Parkinson's Disease, 2015, 2015, 1-5.	0.6	34
370	Tumour Relapse Prediction Using Multiparametric MR Data Recorded during Follow-Up of GBM Patients. BioMed Research International, 2015, 2015, 1-13.	0.9	6

#	Article	IF	CITATIONS
371	Altered Microstructure in Temporal Lobe Epilepsy: A Diffusional Kurtosis Imaging Study. American Journal of Neuroradiology, 2015, 36, 719-724.	1.2	48
372	Diffusion-Weighted Methods. Medical Radiology, 2015, , 99-110.	0.0	Ο
373	Diffusional kurtosis imaging in hydrocephalus. Magnetic Resonance Imaging, 2015, 33, 531-536.	1.0	8
374	Age-related microstructural differences quantified using myelin water imaging and advanced diffusion MRI. Neurobiology of Aging, 2015, 36, 2107-2121.	1.5	183
375	Imaging of Traumatic Brain Injury. Radiologic Clinics of North America, 2015, 53, 695-715.	0.9	39
376	Differentiation of Low- and High-Grade Pediatric Brain Tumors with High <i>b</i> -Value Diffusion-weighted MR Imaging and a Fractional Order Calculus Model. Radiology, 2015, 277, 489-496.	3.6	79
377	Estimating Diffusion Propagator and Its Moments Using Directional Radial Basis Functions. IEEE Transactions on Medical Imaging, 2015, 34, 2058-2078.	5.4	59
378	Automation of cross-sectional analysis of neuroimages using diffusion kurtosis imaging. , 2015, , .		Ο
379	Differentiation of high-grade-astrocytomas from solitary-brain-metastases: Comparing diffusion kurtosis imaging and diffusion tensor imaging. European Journal of Radiology, 2015, 84, 2618-2624.	1.2	37
380	Evaluation of Diffusion Kurtosis Imaging Versus Standard Diffusion Imaging for Detection and Grading of Peripheral Zone Prostate Cancer. Investigative Radiology, 2015, 50, 483-489.	3.5	100
381	Effects of pore-size and shape distributions on diffusion pore imaging by nuclear magnetic resonance. Physical Review E, 2015, 92, 022706.	0.8	8
382	Stejskal's formula for multiple-pulsed diffusion MRI. Magnetic Resonance Imaging, 2015, 33, 1182-1186.	1.0	5
383	Stress-induced alterations in large-scale functional networks of the rodent brain. NeuroImage, 2015, 105, 312-322.	2.1	102
384	Performances of diffusion kurtosis imaging and diffusion tensor imaging in detecting white matter abnormality in schizophrenia. NeuroImage: Clinical, 2015, 7, 170-176.	1.4	84
385	One diffusion acquisition and different white matter models: How does microstructure change in human early development based on WMTI and NODDI?. NeuroImage, 2015, 107, 242-256.	2.1	179
386	Diffusion tensor imaging of the auditory nerve in patients with long-term single-sided deafness. Hearing Research, 2015, 323, 1-8.	0.9	24
387	Numerical study of a cylinder model of the diffusion MRI signal for neuronal dendrite trees. Journal of Magnetic Resonance, 2015, 252, 103-113.	1.2	15
388	Kurtosis analysis of neural diffusion organization. Neurolmage, 2015, 106, 391-403.	2.1	32

		CITATION R	EPORT	
#	Article		IF	CITATIONS
389	POAS4SPM: A Toolbox for SPM to Denoise Diffusion MRI Data. Neuroinformatics, 2015	5, 13, 19-29.	1.5	12
390	Comparison of calculated and acquired high b value diffusion-weighted imaging in pros Abdominal Imaging, 2015, 40, 578-586.	state cancer.	2.0	58
391	Hypercellularity Components of Clioblastoma Identified by High b-Value Diffusion-Wei International Journal of Radiation Oncology Biology Physics, 2015, 92, 811-819.	ghted Imaging.	0.4	41
392	Resolving intravoxel fiber architecture using nonconvex regularized blind compressed s Physics in Medicine and Biology, 2015, 60, 2339-2354.	ensing.	1.6	3
393	N -acetyl-aspartate levels correlate with intra-axonal compartment parameters from dif NeuroImage, 2015, 118, 334-343.	fusion MRI.	2.1	40
394	Exploring the 3D geometry of the diffusion kurtosis tensor—Impact on the developm tractography procedures and novel biomarkers. NeuroImage, 2015, 111, 85-99.	ent of robust	2.1	45
395	Visualization and Processing of Higher Order Descriptors for Multi-Valued Data. Mathe Visualization, 2015, , .	matics and	0.4	5
396	Parameter estimation using macroscopic diffusion MRI signal models. Physics in Medic 2015, 60, 3389-3413.	ine and Biology,	1.6	7
397	Functional Neuroimaging: Fundamental Principles and Clinical Applications. Neuroradic 2015, 28, 87-96.	ology Journal,	0.6	25
398	Diffusional Kurtosis and Diffusion Tensor Imaging Reveal Different Time-Sensitive Strok Microstructural Changes. Stroke, 2015, 46, 545-550.	e-Induced	1.0	72
399	A longitudinal evaluation of diffusion kurtosis imaging in patients with mild traumatic l Brain Injury, 2015, 29, 47-57.	orain injury.	0.6	75
400	Histogram analysis of diffusion kurtosis magnetic resonance imaging in differentiation Gleason grade of prostate cancer. Urologic Oncology: Seminars and Original Investigat 337.e15-337.e24.	of pathologic ions, 2015, 33,	0.8	64
401	DTI - DKI fitting: a graphical toolbox for estimation and visualization of diffusion tensor diffusion kurtosis imaging. , 2015, , .	and		1
402	Probability Distribution Functions in Diffusion MRI. , 2015, , 253-255.			1
403	Q-Space Modeling in Diffusion-Weighted MRI. , 2015, , 257-263.			2
404	Tract-Based Spatial Statistics and Other Approaches for Cross-Subject Comparison of L MRI Parameters. , 2015, , 437-464.	ocal Diffusion		2
405	Detection of electroporation-induced membrane permeabilization states in the brain us diffusion-weighted MRI. Acta OncolÃ ³ gica, 2015, 54, 289-297.	sing	0.8	16
406	Diffusion-MRI in neurodegenerative disorders. Magnetic Resonance Imaging, 2015, 33,	853-876.	1.0	79

#	Article	IF	CITATIONS
407	Evidence of altered age-related brain cytoarchitecture in mouse models of down syndrome: a diffusional kurtosis imaging study. Magnetic Resonance Imaging, 2015, 33, 437-447.	1.0	14
408	Diffusion Kurtosis Imaging to Assess Response to Treatment in Hypervascular Hepatocellular Carcinoma. American Journal of Roentgenology, 2015, 204, W543-W549.	1.0	75
409	Breast Cancer: Diffusion Kurtosis MR Imaging—Diagnostic Accuracy and Correlation with Clinical-Pathologic Factors. Radiology, 2015, 277, 46-55.	3.6	196
410	Diffusion MRI*⋆The views expressed in this article are those of the author and do not necessarily reflect the official policy or position of the Department of the Navy, Department of Defense, nor the U.S. Government , 2015, , 47-52.		1
411	Diffusional kurtosis imaging using a fast heuristic constrained linear least squares algorithm: A plugin for OsiriX. , 2015, , .		0
412	Imaging White Matter Anatomy for Brain Tumor Surgery. , 2015, , 91-121.		2
413	Microstructural Characterization of Normal and Malignant Human Prostate Tissue With Vascular, Extracellular, and Restricted Diffusion for Cytometry in Tumours Magnetic Resonance Imaging. Investigative Radiology, 2015, 50, 218-227.	3.5	137
414	MRI quantification of nonâ€Gaussian water diffusion in normal human kidney: a diffusional kurtosis imaging study. NMR in Biomedicine, 2015, 28, 154-161.	1.6	59
415	Diffusion Kurtosis Imaging Detects Microstructural Alterations in Brain of α-Synuclein Overexpressing Transgenic Mouse Model of Parkinson's Disease: A Pilot Study. Neurotoxicity Research, 2015, 28, 281-289.	1.3	17
416	Diffusion-weighted magnetic resonance imaging during radiotherapy of locally advanced cervical cancer – treatment response assessment using different segmentation methods. Acta Oncológica, 2015, 54, 1535-1542.	0.8	12
417	Diffusion-weighted imaging of prostate cancer: effect of b-value distribution on repeatability and cancer characterization. Magnetic Resonance Imaging, 2015, 33, 1212-1218.	1.0	23
418	Assessing and monitoring intratumor heterogeneity in glioblastoma: how far has multimodal imaging come?. CNS Oncology, 2015, 4, 399-410.	1.2	8
419	The effect of Gibbs ringing artifacts on measures derived from diffusion MRI. NeuroImage, 2015, 120, 441-455.	2.1	94
420	Diffusion MRI and its Role in Neuropsychology. Neuropsychology Review, 2015, 25, 250-271.	2.5	31
421	Neuroanatomical correlates of negative emotionality-related traits: A systematic review and meta-analysis. Neuropsychologia, 2015, 77, 97-118.	0.7	70
422	Diffusion kurtosis imaging: Monte Carlo simulation of diffusion processes using crowdprocess. , 2015, , .		1
423	Mean Diffusional Kurtosis in Patients with Glioma: Initial Results with a Fast Imaging Method in a Clinical Setting. American Journal of Neuroradiology, 2015, 36, 1472-1478.	1.2	70
424	Visual Knowledge Discovery for Diffusion Kurtosis Datasets of the Human Brain. Mathematics and Visualization, 2015, , 213-234.	0.4	4

#	Article	IF	Citations
425	Strengths and weaknesses of state of the art fiber tractography pipelines – A comprehensive in-vivo and phantom evaluation study using Tractometer. Medical Image Analysis, 2015, 26, 287-305.	7.0	63
426	A simple noise correction scheme for diffusional kurtosis imaging. Magnetic Resonance Imaging, 2015, 33, 124-133.	1.0	35
427	Multiâ€directional anisotropy from diffusion orientation distribution functions. Journal of Magnetic Resonance Imaging, 2015, 41, 841-850.	1.9	12
428	Whole-lesion diffusion metrics for assessment of bladder cancer aggressiveness. Abdominal Imaging, 2015, 40, 327-332.	2.0	31
429	Non-Gaussian diffusion MRI of gray matter is associated with cognitive impairment in multiple sclerosis. Multiple Sclerosis Journal, 2015, 21, 935-944.	1.4	64
430	Quantification of microscopic diffusion anisotropy disentangles effects of orientation dispersion from microstructure: Applications in healthy volunteers and in brain tumors. NeuroImage, 2015, 104, 241-252.	2.1	216
431	REKINDLE: Robust extraction of kurtosis INDices with linear estimation. Magnetic Resonance in Medicine, 2015, 73, 794-808.	1.9	139
432	Functional magnetic resonance imaging techniques and their development for radiation therapy planning and monitoring in the head and neck cancers. Quantitative Imaging in Medicine and Surgery, 2016, 6, 430-448.	1.1	14
433	Quantitative Histological Validation of Diffusion Tensor MRI with Two-Photon Microscopy of Cleared Mouse Brain. Magnetic Resonance in Medical Sciences, 2016, 15, 416-421.	1.1	11
434	Diffusional Kurtosis Imaging in Idiopathic Normal Pressure Hydrocephalus: Correlation with Severity of Cognitive Impairment. Magnetic Resonance in Medical Sciences, 2016, 15, 316-323.	1.1	21
435	8 Diffusion-Weighted Imaging for Gliomas. , 2016, , .		0
436	Microstructural Abnormalities Were Found in Brain Gray Matter from Patients with Chronic Myofascial Pain. Frontiers in Neuroanatomy, 2016, 10, 122.	0.9	12
437	Estimation of Bounded and Unbounded Trajectories in Diffusion MRI. Frontiers in Neuroscience, 2016, 10, 129.	1.4	3
438	Diffusion Capillary Phantom vs. Human Data: Outcomes for Reconstruction Methods Depend on Evaluation Medium. Frontiers in Neuroscience, 2016, 10, 407.	1.4	9
439	Limitations and Prospects for Diffusion-Weighted MRI of the Prostate. Diagnostics, 2016, 6, 21.	1.3	32
440	Global and Regional Brain Non-Gaussian Diffusion Changes in Newly Diagnosed Patients with Obstructive Sleep Apnea. Sleep, 2016, 39, 51-57.	0.6	21
441	Assessing White Matter Microstructure in Brain Regions with Different Myelin Architecture Using MRI. PLoS ONE, 2016, 11, e0167274.	1.1	37
442	Emerging Techniques in Brain Tumor Imaging: What Radiologists Need to Know. Korean Journal of Radiology, 2016, 17, 598.	1.5	34

#	Article	IF	CITATIONS
443	Optimization of Scan Parameters to Reduce Acquisition Time for Diffusion Kurtosis Imaging at 1.5T. Magnetic Resonance in Medical Sciences, 2016, 15, 41-48.	1.1	23
444	Visualization of Cranial Nerves Using High-Definition Fiber Tractography. Neurosurgery, 2016, 79, 146-165.	0.6	73
445	Acute white matter changes following sportâ€related concussion: A serial diffusion tensor and diffusion kurtosis tensor imaging study. Human Brain Mapping, 2016, 37, 3821-3834.	1.9	100
446	Techniques and applications of skeletal muscle diffusion tensor imaging: A review. Journal of Magnetic Resonance Imaging, 2016, 43, 773-788.	1.9	135
447	New RESOLVE-Based Diffusional Kurtosis Imaging in MRI-Visible Prostate Cancer: Effect of Reduced b Value on Image Quality and Diagnostic Effectiveness. American Journal of Roentgenology, 2016, 207, 330-338.	1.0	11
449	Application of diffusion kurtosis imaging to odontogenic lesions: Analysis of the cystic component. Journal of Magnetic Resonance Imaging, 2016, 44, 1565-1571.	1.9	12
450	The effects of noise in cardiac diffusion tensor imaging and the benefits of averaging complex data. NMR in Biomedicine, 2016, 29, 588-599.	1.6	32
451	Characterization of clear cell renal cell carcinoma with diffusion kurtosis imaging: correlation between diffusion kurtosis parameters and tumor cellularity. NMR in Biomedicine, 2016, 29, 873-881.	1.6	31
452	Diffusional kurtosis imaging for differentiating between highâ€grade glioma and primary central nervous system lymphoma. Journal of Magnetic Resonance Imaging, 2016, 44, 30-40.	1.9	25
453	Correlation of standard diffusionâ€weighted imaging and diffusion kurtosis imaging with distant metastases of rectal carcinoma. Journal of Magnetic Resonance Imaging, 2016, 44, 221-229.	1.9	24
454	Relaxation along fictitious field, diffusion-weighted imaging, and T ₂ mapping of prostate cancer: Prediction of cancer aggressiveness. Magnetic Resonance in Medicine, 2016, 75, 2130-2140.	1.9	15
455	Surfaceâ€ŧoâ€volume ratio mapping of tumor microstructure using oscillating gradient diffusion weighted imaging. Magnetic Resonance in Medicine, 2016, 76, 237-247.	1.9	52
456	Apparent diffusion coefficient-dependent voxelwise computed diffusion-weighted imaging: An approach for improving SNR and reducing <i>T</i> ₂ shine-through effects. Journal of Magnetic Resonance Imaging, 2016, 43, 824-832.	1.9	35
457	Bias and precision analysis of diffusional kurtosis imaging for different acquisition schemes. Magnetic Resonance in Medicine, 2016, 76, 1684-1696.	1.9	14
458	Assessment of abnormal brain structures and networks in major depressive disorder using morphometric and connectome analyses. Journal of Affective Disorders, 2016, 205, 103-111.	2.0	40
459	Use of Conventional and Advanced MRI Techniques in Accidental Pediatric Traumatic Brain Injury. Journal of Pediatric Neuroradiology, 2016, 05, 020-025.	0.1	1
460	Characteristics of Diffusional Kurtosis in Chronic Ischemia of Adult Moyamoya Disease: Comparing Diffusional Kurtosis and Diffusion Tensor Imaging. American Journal of Neuroradiology, 2016, 37, 1432-1439.	1.2	26
461	A study of data fusion for Alzheimer's disease based on diffusion magnetic resonance imaging. , 2016, , .		0

#	Article	IF	CITATIONS
462	Applicability and discriminative value of a semiautomatic three-dimensional spherical volume for the assessment of the apparent diffusion coefficient in suspicious breast lesions—feasibility study. Clinical Imaging, 2016, 40, 1280-1285.	0.8	5
463	Microstructure Imaging of Crossing (MIX) White Matter Fibers from diffusion MRI. Scientific Reports, 2016, 6, 38927.	1.6	43
464	Diffusion weighted imaging of prostate cancer: Prediction of cancer using texture features from parametric maps of the monoexponential and kurtosis functions. , 2016, , .		6
465	Differences in Gaussian diffusion tensor imaging and non-Gaussian diffusion kurtosis imaging model-based estimates of diffusion tensor invariants in the human brain. Medical Physics, 2016, 43, 2464-2475.	1.6	36
466	Assessment of severity of leukoaraiosis: a diffusional kurtosis imaging study. Clinical Imaging, 2016, 40, 732-738.	0.8	6
467	Time Course of Diffusion Kurtosis in Cerebral Infarctions of Transient Middle Cerebral Artery Occlusion Rat Model. Journal of Stroke and Cerebrovascular Diseases, 2016, 25, 610-617.	0.7	7
468	Application of <i>q</i> -Space Diffusion MRI for the Visualization of White Matter. Journal of Neuroscience, 2016, 36, 2796-2808.	1.7	56
469	Diffusion kurtosis imaging of the pancreas for the assessment of HbA1c levels. Journal of Magnetic Resonance Imaging, 2016, 43, 159-165.	1.9	13
470	Fusion in diffusion MRI for improved fibre orientation estimation: An application to the 3T and 7T data of the Human Connectome Project. NeuroImage, 2016, 134, 396-409.	2.1	91
471	A fractal derivative model for the characterization of anomalous diffusion in magnetic resonance imaging. Communications in Nonlinear Science and Numerical Simulation, 2016, 39, 529-537.	1.7	93
472	Memory and hippocampal architecture following short-term midazolam in western diet-treated rats. Neuroscience Letters, 2016, 621, 68-74.	1.0	4
473	Computational Diffusion MRI. Mathematics and Visualization, 2016, , .	0.4	2
474	Abnormalities in Diffusional Kurtosis Metrics Related to Head Impact Exposure in a Season of High School Varsity Football. Journal of Neurotrauma, 2016, 33, 2133-2146.	1.7	67
475	q-Space Deep Learning: Twelve-Fold Shorter and Model-Free Diffusion MRI Scans. IEEE Transactions on Medical Imaging, 2016, 35, 1344-1351.	5.4	213
476	Fiber Orientation Distribution Estimation Using a Peaceman–Rachford Splitting Method. SIAM Journal on Imaging Sciences, 2016, 9, 573-604.	1.3	5
477	Diffusion Imaging of Brain Tumors. , 2016, , 301-315.		0
478	Application of diffusional kurtosis imaging to detect occult brain damage in multiple sclerosis and neuromyelitis optica. NMR in Biomedicine, 2016, 29, 1536-1545.	1.6	19
479	Characterization of spinal cord white matter by suppressing signal from hindered space. A Monte Carlo simulation and an ex vivo ultrahigh-b diffusion-weighted imaging study. Journal of Magnetic Resonance, 2016, 272, 53-59.	1.2	7

#	Article	IF	CITATIONS
480	Diffusion-weighted MR imaging of pancreatic cancer: A comparison of mono-exponential, bi-exponential and non-Gaussian kurtosis models. European Journal of Radiology Open, 2016, 3, 79-85.	0.7	27
481	Striatal silent lacunar infarction is associated with changes to the substantia nigra in patients with early-stage Parkinson's disease: A diffusion kurtosis imaging study. Journal of Clinical Neuroscience, 2016, 33, 138-141.	0.8	12
482	A fractional motion diffusion model for grading pediatric brain tumors. Neurolmage: Clinical, 2016, 12, 707-714.	1.4	25
483	Cognitive impairment after traumatic brain injury: The role of MRI and possible pathological basis. Journal of the Neurological Sciences, 2016, 370, 244-250.	0.3	44
484	Fast diffusion kurtosis imaging (DKI) with Inherent COrrelationâ€based Normalization (ICON) enhances automatic segmentation of heterogeneous diffusion MRI lesion in acute stroke. NMR in Biomedicine, 2016, 29, 1670-1677.	1.6	12
485	Fast diffusion kurtosis imaging of fibrotic mouse kidneys. NMR in Biomedicine, 2016, 29, 1709-1719.	1.6	27
486	The link between diffusion MRI and tumor heterogeneity: Mapping cell eccentricity and density by diffusional variance decomposition (DIVIDE). NeuroImage, 2016, 142, 522-532.	2.1	141
487	Reducing CSF Partial Volume Effects to Enhance Diffusion Tensor Imaging Metrics of Brain Microstructure. Technology and Innovation, 2016, 18, 5-20.	0.2	24
488	Application of an unsupervised multi-characteristic framework for intermediate-high risk prostate cancer localization using diffusion-weighted MRI. Magnetic Resonance Imaging, 2016, 34, 1227-1234.	1.0	4
489	Biophysical modeling of high field diffusion MRI demonstrates micro-structural aberration in chronic mild stress rat brain. NeuroImage, 2016, 142, 421-430.	2.1	48
490	Cibbs ringing in diffusion MRI. Magnetic Resonance in Medicine, 2016, 76, 301-314.	1.9	108
491	Experimental considerations for fast kurtosis imaging. Magnetic Resonance in Medicine, 2016, 76, 1455-1468.	1.9	52
492	Volumetric and fiber-tracing MRI methods for gray and white matter. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2016, 135, 39-60.	1.0	13
493	Subconcussive impacts and imaging findings over a season of contact sports. Concussion, 2016, 1, CNC19.	1.2	17
494	Fast imaging of mean, axial and radial diffusion kurtosis. Neurolmage, 2016, 142, 381-393.	2.1	54
495	Diffusion kurtosis imaging study on temporal lobe after nasopharyngeal carcinoma radiotherapy. Brain Research, 2016, 1648, 387-393.	1.1	18
496	Evaluation of histopathological changes in the microstructure at the center and periphery of glioma tumors using diffusional kurtosis imaging. Clinical Neurology and Neurosurgery, 2016, 151, 120-127.	0.6	24
497	Simulations on the influence of myelin water in diffusion-weighted imaging. Physics in Medicine and Biology, 2016, 61, 4729-4745.	1.6	19

#	ARTICLE	IF	CITATIONS
498	Parameter Estimation Error Dependency on the Acquisition Protocol in Diffusion Kurtosis Imaging. Applied Magnetic Resonance, 2016, 47, 1229-1238.	0.6	8
499	Noninvasive Brain Imaging in Small Animal Stroke Models: MRI, PET, and SPECT. Neuromethods, 2016, , 147-186.	0.2	2
500	A Macroscopic Model for the Diffusion MRI Signal Accounting for Time-Dependent Diffusivity. SIAM Journal on Applied Mathematics, 2016, 76, 930-949.	0.8	10
501	Pulsed and oscillating gradient MRI for assessment of cell size and extracellular space (POMACE) in mouse gliomas. NMR in Biomedicine, 2016, 29, 1350-1363.	1.6	60
502	NMR-based diffusion lattice imaging. Physical Review E, 2016, 93, 032401.	0.8	7
503	Summary of high field diffusion MRI and microscopy data demonstrate microstructural aberration in chronic mild stress rat brain. Data in Brief, 2016, 8, 934-937.	0.5	11
504	Data for evaluation of fast kurtosis strategies, b-value optimization and exploration of diffusion MRI contrast. Scientific Data, 2016, 3, 160072.	2.4	24
505	Restriction spectrum imaging reveals decreased neurite density in patients with temporal lobe epilepsy. Epilepsia, 2016, 57, 1897-1906.	2.6	20
506	Diffusion-weighted imaging uncovers likely sources of processing-speed deficits in schizophrenia. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 13504-13509.	3.3	43
507	Differentiating T2 hyperintensity in neonatal white matter by two-compartment model of diffusional kurtosis imaging. Scientific Reports, 2016, 6, 24473.	1.6	7
508	Brain white matter plasticity and functional reorganization underlying the central pathogenesis of trigeminal neuralgia. Scientific Reports, 2016, 6, 36030.	1.6	38
509	Optimal Gradient Encoding Schemes for Diffusion Tensor and Kurtosis Imaging. IEEE Transactions on Computational Imaging, 2016, 2, 375-391.	2.6	Ο
510	Neural substrates underlying delusions in schizophrenia. Scientific Reports, 2016, 6, 33857.	1.6	24
511	Assessment of tissue heterogeneity using diffusion tensor and diffusion kurtosis imaging for grading gliomas. Neuroradiology, 2016, 58, 1217-1231.	1.1	68
512	Kurtosis fractional anisotropy, its contrast and estimation by proxy. Scientific Reports, 2016, 6, 23999.	1.6	64
513	Epilepsy-related cytoarchitectonic abnormalities along white matter pathways. Journal of Neurology, Neurosurgery and Psychiatry, 2016, 87, 930-936.	0.9	24
514	Models of diffusion signal decay in magnetic resonance imaging: Capturing complexity. Concepts in Magnetic Resonance Part A: Bridging Education and Research, 2016, 45A, .	0.2	14
515	Resolving power for the diffusion orientation distribution function. Magnetic Resonance in Medicine, 2016, 76, 679-688.	1.9	7

#	Article	IF	CITATIONS
516	Characterizing brain tissue by assessment of the distribution of anisotropic microstructural environments in diffusionâ€compartment imaging (DIAMOND). Magnetic Resonance in Medicine, 2016, 76, 963-977.	1.9	90
517	Diffusionâ€weighted imaging outside the brain: Consensus statement from an ISMRMâ€sponsored workshop. Journal of Magnetic Resonance Imaging, 2016, 44, 521-540.	1.9	146
518	High slewâ€rate headâ€only gradient for improving distortion in echo planar imaging: Preliminary experience. Journal of Magnetic Resonance Imaging, 2016, 44, 653-664.	1.9	53
519	Lateâ€stage αâ€synuclein accumulation in TNWTâ€61 mouse model of Parkinson's disease detected by diffusion kurtosis imaging. Journal of Neurochemistry, 2016, 136, 1259-1269.	2.1	18
520	Optimization of pulse sequence times for signal increasing in diffusion weighted magnetic resonance imaging. , 2016, , .		0
521	Imaging of local recurrence in prostate cancer. Future Oncology, 2016, 12, 2401-2415.	1.1	17
522	A diffusional kurtosis imaging study of idiopathic generalized epilepsy with unilateral interictal epileptiform discharges in children. Journal of Neuroradiology, 2016, 43, 339-345.	0.6	14
523	A Standardized Parameter-Free Algorithm for Combined Intravoxel Incoherent Motion and Diffusion Kurtosis Analysis of Diffusion Imaging Data. Investigative Radiology, 2016, 51, 203-210.	3.5	12
524	15 Future Applications of Diffusion Weighted Imaging:Diffusional Kurtosis and Other Nongaussian Diffusion Techniques. , 2016, , .		0
525	The temporal evolution of diffusional kurtosis imaging in an experimental middle cerebral artery occlusion (MCAO) model. Magnetic Resonance Imaging, 2016, 34, 889-895.	1.0	21
526	Diffusion-tensor-based method for robust and practical estimation of axial and radial diffusional kurtosis. European Radiology, 2016, 26, 2559-2566.	2.3	9
527	Evaluation of mean diffusion and kurtosis MRI mismatch in subacute ischemic stroke: Comparison with NIHSS score. Brain Research, 2016, 1644, 231-239.	1.1	9
528	Spatially selective 2D RF inner field of view (iFOV) diffusion kurtosis imaging (DKI) of the pediatric spinal cord. NeuroImage: Clinical, 2016, 11, 61-67.	1.4	18
529	Including diffusion time dependence in the extra-axonal space improves in vivo estimates of axonal diameter and density in human white matter. NeuroImage, 2016, 130, 91-103.	2.1	92
530	Differentiation of Low- and High-Grade Gliomas Using High b-Value Diffusion Imaging with a Non-Gaussian Diffusion Model. American Journal of Neuroradiology, 2016, 37, 1643-1649.	1.2	39
531	Effect of respiratory and cardiac gating on the major diffusion-imaging metrics. Neuroradiology Journal, 2016, 29, 254-259.	0.6	1
532	Diffusion Magnetic Resonance Imaging in Brain Tumors. , 2016, , 273-300.		0
533	Correlation between diffusion kurtosis and NODDI metrics in neonates and young children. , 2016, , .		0

#	Article	IF	CITATIONS
534	Diffusionâ€weighted multiparametric MRI for monitoring longitudinal changes of parameters in rabbit VX2 liver tumors. Journal of Magnetic Resonance Imaging, 2016, 44, 707-714.	1.9	9
535	Differentiating low―and highâ€grade pediatric brain tumors using a continuousâ€ŧime randomâ€walk diffusion model at high <i>b</i> â€values. Magnetic Resonance in Medicine, 2016, 76, 1149-1157.	1.9	57
536	Stroke assessment with intravoxel incoherent motion diffusionâ€weighted MRI. NMR in Biomedicine, 2016, 29, 320-328.	1.6	51
537	Comparison of image sensitivity between conventional tensorâ€based and fast diffusion kurtosis imaging protocols in a rodent model of acute ischemic stroke. NMR in Biomedicine, 2016, 29, 625-630.	1.6	19
538	Diffusional kurtosis MRI of the lower leg: changes caused by passive muscle elongation and shortening. NMR in Biomedicine, 2016, 29, 767-775.	1.6	6
539	Tract-specific and age-related variations of the spinal cord microstructure: a multi-parametric MRI study using diffusion tensor imaging (DTI) and inhomogeneous magnetization transfer (ihMT). NMR in Biomedicine, 2016, 29, 817-832.	1.6	60
540	DTI in Diagnosis and Follow-Up of Brain Tumors. , 2016, , 309-330.		1
541	Concepts of Diffusion in MRI. , 2016, , 23-35.		2
542	Diffusion kurtosis imaging probes cortical alterations and white matter pathology following cuprizone induced demyelination and spontaneous remyelination. NeuroImage, 2016, 125, 363-377.	2.1	122
543	Degeneracy in model parameter estimation for multiâ€compartmental diffusion in neuronal tissue. NMR in Biomedicine, 2016, 29, 33-47.	1.6	252
544	On the use of trace-weighted images in body diffusional kurtosis imaging. Magnetic Resonance Imaging, 2016, 34, 502-507.	1.0	26
545	In vivo quantification of demyelination and recovery using compartment-specific diffusion MRI metrics validated by electron microscopy. NeuroImage, 2016, 132, 104-114.	2.1	156
547	Diffusion Imaging of White Matter in Schizophrenia: Progress and Future Directions. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2016, 1, 209-217.	1.1	37
548	Computer-based magnetic resonance imaging as a tool in clinical diagnosis in neurodegenerative diseases. Expert Review of Neurotherapeutics, 2016, 16, 295-306.	1.4	20
549	Cerebellar microstructural abnormalities in bipolar depression and unipolar depression: A diffusion kurtosis and perfusion imaging study. Journal of Affective Disorders, 2016, 195, 21-31.	2.0	58
550	Non-Gaussian diffusion alterations on diffusion kurtosis imaging in patients with early Alzheimer's disease. Neuroscience Letters, 2016, 616, 11-18.	1.0	33
551	Q-space trajectory imaging for multidimensional diffusion MRI of the human brain. NeuroImage, 2016, 135, 345-362.	2.1	256
552	Mapping the Orientation of White Matter Fiber Bundles: A Comparative Study of Diffusion Tensor Imaging, Diffusional Kurtosis Imaging, and Diffusion Spectrum Imaging. American Journal of Neuroradiology, 2016, 37, 1216-1222.	1.2	50

#	Article	IF	CITATIONS
553	A survey of current trends in diffusion MRI for structural brain connectivity. Journal of Neural Engineering, 2016, 13, 011001.	1.8	10
554	Clinical Intravoxel Incoherent Motion and Diffusion MR Imaging: Past, Present, and Future. Radiology, 2016, 278, 13-32.	3.6	380
555	Diffusion Kurtosis Imaging. , 2016, , 407-418.		3
556	Evaluating the Role of mpMRI in Prostate Cancer Assessment. Expert Review of Medical Devices, 2016, 13, 129-141.	1.4	13
557	Technical advancements and protocol optimization of diffusion-weighted imaging (DWI) in liver. Abdominal Radiology, 2016, 41, 189-202.	1.0	19
558	Diffusion MRI: Pitfalls, literature review and future directions of research in mild traumatic brain injury. European Journal of Radiology, 2016, 85, 25-30.	1.2	42
559	Physics, Techniques and Review of Neuroradiological Applications of Diffusion Kurtosis Imaging (DKI). Clinical Neuroradiology, 2016, 26, 391-403.	1.0	59
560	Clinical feasibility of using mean apparent propagator (MAP) MRI to characterize brain tissue microstructure. NeuroImage, 2016, 127, 422-434.	2.1	101
561	Advanced MRI techniques to improve our understanding of experience-induced neuroplasticity. NeuroImage, 2016, 131, 55-72.	2.1	99
562	STEAM — Statistical Template Estimation for Abnormality Mapping: A personalized DTI analysis technique with applications to the screening of preterm infants. NeuroImage, 2016, 125, 705-723.	2.1	7
563	Neurite orientation dispersion and density imaging in the substantia nigra in idiopathic Parkinson disease. European Radiology, 2016, 26, 2567-2577.	2.3	100
564	Brain Tumor Imaging. Medical Radiology, 2016, , .	0.0	7
565	Evaluation of diffusion kurtosis imaging in ex vivo hypomyelinated mouse brains. Neurolmage, 2016, 124, 612-626.	2.1	71
566	Grading of Gliomas by Using Monoexponential, Biexponential, and Stretched Exponential Diffusion-weighted MR Imaging and Diffusion Kurtosis MR Imaging. Radiology, 2016, 278, 496-504.	3.6	184
567	Insight from uncertainty: bootstrap-derived diffusion metrics differentially predict memory function among older adults. Brain Structure and Function, 2016, 221, 507-514.	1.2	5
568	Regional Values of Diffusional Kurtosis Estimates in the Healthy Brain during Normal Aging. Clinical Neuroradiology, 2017, 27, 283-298.	1.0	40
569	White matter changes after stroke in type 2 diabetic rats measured by diffusion magnetic resonance imaging. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 241-251.	2.4	17
570	Repeatability of derived parameters from histograms following non-Gaussian diffusion modelling of diffusion-weighted imaging in a paediatric oncological cohort. European Radiology, 2017, 27, 345-353.	2.3	40

#	Article	IF	CITATIONS
571	Real valued diffusionâ€weighted imaging using decorrelated phase filtering. Magnetic Resonance in Medicine, 2017, 77, 559-570.	1.9	9
572	Fitting methods for intravoxel incoherent motion imaging of prostate cancer on region of interest level: Repeatability and gleason score prediction. Magnetic Resonance in Medicine, 2017, 77, 1249-1264.	1.9	48
573	Epilepsy in multiple sclerosis: The role of temporal lobe damage. Multiple Sclerosis Journal, 2017, 23, 473-482.	1.4	38
574	Prediction of the treatment outcome using intravoxel incoherent motion and diffusional kurtosis imaging in nasal or sinonasal squamous cell carcinoma patients. European Radiology, 2017, 27, 956-965.	2.3	48
575	Simultaneous assessment of cerebral blood volume and diffusion heterogeneity using hybrid IVIM and DK MR imaging: initial experience with brain tumors. European Radiology, 2017, 27, 306-314.	2.3	27
576	A prospective microstructure imaging study in mixed-martial artists using geometric measures and diffusion tensor imaging: methods and findings. Brain Imaging and Behavior, 2017, 11, 698-711.	1.1	33
577	Alterations of the optic pathway between unilateral and bilateral optic nerve damage in multiple sclerosis as revealed by the combined use of advanced diffusion kurtosis imaging and visual evoked potentials. Magnetic Resonance Imaging, 2017, 39, 24-30.	1.0	19
578	Non-Gaussian diffusion imaging for malignant and benign pulmonary nodule differentiation: a preliminary study. Acta Radiologica, 2017, 58, 19-26.	0.5	28
579	Separation of type and grade in cervical tumours using non-mono-exponential models of diffusion-weighted MRI. European Radiology, 2017, 27, 627-636.	2.3	72
580	A monte carlo study of restricted diffusion: Implications for diffusion MRI of prostate cancer. Magnetic Resonance in Medicine, 2017, 77, 1671-1677.	1.9	13
581	"MASSIVE―brain dataset: Multiple acquisitions for standardization of structural imaging validation and evaluation. Magnetic Resonance in Medicine, 2017, 77, 1797-1809.	1.9	65
582	Diffusion lung imaging with hyperpolarized gas MRI. NMR in Biomedicine, 2017, 30, e3448.	1.6	20
583	Anomalous diffusion in cerebral glioma assessed using a fractional motion model. Magnetic Resonance in Medicine, 2017, 78, 1944-1949.	1.9	11
584	A comparative assessment of preclinical chemotherapeutic response of tumors using quantitative non-Gaussian diffusion MRI. Magnetic Resonance Imaging, 2017, 37, 195-202.	1.0	8
585	Multiparametric diffusionâ€weighted imaging in breast lesions: Association with pathologic diagnosis and prognostic factors. Journal of Magnetic Resonance Imaging, 2017, 46, 740-750.	1.9	86
586	Analysis of the effects of noise, DWI sampling, and value of assumed parameters in diffusion MRI models. Magnetic Resonance in Medicine, 2017, 78, 1767-1780.	1.9	63
587	Evaluating kurtosisâ€based diffusion MRI tissue models for white matter with fiber ball imaging. NMR in Biomedicine, 2017, 30, e3689.	1.6	19
588	The Potential for Advanced Magnetic Resonance Neuroimaging Techniques in Pediatric Stroke Research. Pediatric Neurology, 2017, 69, 24-36.	1.0	8

#	ARTICLE	IF	CITATIONS
589	Using spectral and cumulative spectral entropy to classify anomalous diffusion in Sephadexâ,,¢ gels. Computers and Mathematics With Applications, 2017, 73, 765-774.	1.4	21
590	Fundamentals of diffusion MRI physics. NMR in Biomedicine, 2017, 30, e3602.	1.6	84
591	New developments in brain research of internet and gaming disorder. Neuroscience and Biobehavioral Reviews, 2017, 75, 314-330.	2.9	171
592	Axonal disruption in white matter underlying cortical sulcus tau pathology in chronic traumatic encephalopathy. Acta Neuropathologica, 2017, 133, 367-380.	3.9	62
593	Sensitivity of diffusion MRI to perilesional reactive astrogliosis in focal ischemia. NMR in Biomedicine, 2017, 30, e3717.	1.6	6
594	A comparative study of the sensitivity of diffusion-related parameters obtained from diffusion tensor imaging, diffusional kurtosis imaging, q-space analysis and bi-exponential modelling in the early disease course (24Âh) of hyperacute (6Âh) ischemic stroke patients. Magnetic Resonance Materials in Physics. Biology, and Medicine, 2017, 30, 375-385.	1.1	5
595	Functional deficits induced by cortical microinfarcts. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 3599-3614.	2.4	84
596	Differential microstructural and morphological abnormalities in mild cognitive impairment and <scp>A</scp> lzheimer's disease: Evidence from cortical and deep gray matter. Human Brain Mapping, 2017, 38, 2495-2508.	1.9	54
597	High-Field 3 T Imaging of Alzheimer's Disease. , 2017, , 255-269.		1
598	Image quality transfer and applications in diffusion MRI. NeuroImage, 2017, 152, 283-298.	2.1	91
599	A Comprehensive Comparison of CT, MRI, Positron Emission Tomography or Positron Emission Tomography/CT, and Diffusion Weighted Imaging-MRI for Detecting the Lymph Nodes Metastases in Patients with Cervical Cancer: A Meta-Analysis Based on 67 Studies. Gynecologic and Obstetric Investigation, 2017, 82, 209-222.	0.7	136
600	A timeâ€efficient acquisition protocol for multipurpose diffusionâ€weighted microstructural imaging at 7 Tesla. Magnetic Resonance in Medicine, 2017, 78, 2170-2184.	1.9	18
601	An acetoneâ€based phantom for quantitative diffusion MRI. Journal of Magnetic Resonance Imaging, 2017, 46, 1683-1692.	1.9	13
602	The effect of crack cocaine addiction and age on the microstructure and morphology of the human striatum and thalamus using shape analysis and fast diffusion kurtosis imaging. Translational Psychiatry, 2017, 7, e1122-e1122.	2.4	52
603	Altered gray and white matter microstructure in Cushing's disease: A diffusional kurtosis imaging study. Brain Research, 2017, 1665, 80-87.	1.1	18
604	Gray Matter Abnormalities in Idiopathic <scp>P</scp> arkinson's Disease: Evaluation by Diffusional Kurtosis Imaging and Neurite Orientation Dispersion and Density Imaging. Human Brain Mapping, 2017, 38, 3704-3722.	1.9	78
605	Automated detection of pathologic white matter alterations in Alzheimer's disease using combined diffusivity and kurtosis method. Psychiatry Research - Neuroimaging, 2017, 264, 35-45.	0.9	29
607	Neurite density imaging versus imaging of microscopic anisotropy in diffusion MRI: A model comparison using spherical tensor encoding. NeuroImage, 2017, 147, 517-531.	2.1	177

#	Article	IF	CITATIONS
608	Diffusion and Intravoxel Incoherent Motion MR Imaging–based Virtual Elastography: A Hypothesis-generating Study in the Liver. Radiology, 2017, 285, 609-619.	3.6	44
609	Correlation study between DKI and conventional DWI in brain and head and neck tumors. Magnetic Resonance Imaging, 2017, 42, 114-122.	1.0	25
610	Age-related delay in visual and auditory evoked responses is mediated by white- and grey-matter differences. Nature Communications, 2017, 8, 15671.	5.8	53
611	The MR Physics of Advanced Diffusion Imaging. Mathematics and Visualization, 2017, , 1-20.	0.4	0
612	Diffusion MRI microstructure models with in vivo human brain Connectome data: results from a multiâ€group comparison. NMR in Biomedicine, 2017, 30, e3734.	1.6	33
613	Directional sensitivity of anomalous diffusion in human brain assessed by tensorial fractional motion model. Magnetic Resonance Imaging, 2017, 42, 74-81.	1.0	6
614	Gender differences in the structural connectome of the teenage brain revealed by generalized q-sampling MRI. NeuroImage: Clinical, 2017, 15, 376-382.	1.4	38
615	White matter biomarkers from fast protocols using axially symmetric diffusion kurtosis imaging. NMR in Biomedicine, 2017, 30, e3741.	1.6	37
616	Evaluation of cerebral glioma using 3T diffusion kurtosis tensor imaging and the relationship between diffusion kurtosis metrics and tumor cellularity. Journal of International Medical Research, 2017, 45, 1347-1358.	0.4	13
617	Computational Anatomy Based on Whole Body Imaging. , 2017, , .		9
618	Preliminary study of diffusion kurtosis imaging in thyroid nodules and its histopathologic correlation. European Radiology, 2017, 27, 4710-4720.	2.3	24
619	Anisotropic diffusion phantoms based on microcapillaries. Journal of Magnetic Resonance, 2017, 279, 1-10.	1.2	15
620	Working Memory. Neuroscientist, 2017, 23, 197-210.	2.6	23
621	Tensor estimation for doubleâ€pulsed diffusional kurtosis imaging. NMR in Biomedicine, 2017, 30, e3722.	1.6	3
622	Diffusion kurtosis imaging for diagnosis of Parkinson's disease: A novel software tool proposal. Journal of X-Ray Science and Technology, 2017, 25, 561-571.	0.7	1
623	Accuracy of diffusion kurtosis imaging in characterization of breast lesions. British Journal of Radiology, 2017, 90, 20160873.	1.0	34
624	The effect of noise and lipid signals on determination of Gaussian and nonâ€Gaussian diffusion parameters in skeletal muscle. NMR in Biomedicine, 2017, 30, e3718.	1.6	15
625	Monte Carlo Simulations of Diffusion Weighted MRI in Myocardium: Validation and Sensitivity Analysis. IEEE Transactions on Medical Imaging, 2017, 36, 1316-1325.	5.4	15

#	Article	IF	CITATIONS
626	Evaluation of structural connectivity changes in betel-quid chewers using generalized q-sampling MRI. Psychopharmacology, 2017, 234, 1945-1955.	1.5	14
627	A comparative simulation study of bayesian fitting approaches to intravoxel incoherent motion modeling in diffusionâ€weighted MRI. Magnetic Resonance in Medicine, 2017, 78, 2373-2387.	1.9	61
628	Diffusion kurtosis imaging for differentiating borderline from malignant epithelial ovarian tumors: A correlation with Kiâ€67 expression. Journal of Magnetic Resonance Imaging, 2017, 46, 1499-1506.	1.9	35
629	Diffusional kurtosis imaging of parotid glands in Sjögren's syndrome: Initial findings. Journal of Magnetic Resonance Imaging, 2017, 46, 1409-1417.	1.9	12
630	Application value of diffusional kurtosis imaging (DKI) in evaluating microstructural changes in the spinal cord of patients with early cervical spondylotic myelopathy. Clinical Neurology and Neurosurgery, 2017, 156, 71-76.	0.6	12
631	Magnetic resonance imaging based functional imaging in paediatric oncology. European Journal of Cancer, 2017, 72, 251-265.	1.3	16
632	White matter microstructure and volitional motor activity in schizophrenia: A diffusion kurtosis imaging study. Psychiatry Research - Neuroimaging, 2017, 260, 29-36.	0.9	17
633	Detection of smokeâ€induced pulmonary lesions by hyperpolarized ¹²⁹ Xe diffusion kurtosis imaging in rat models. Magnetic Resonance in Medicine, 2017, 78, 1891-1899.	1.9	3
634	Comparative analysis of isotropic diffusion weighted imaging sequences. Journal of Magnetic Resonance, 2017, 275, 137-147.	1.2	16
635	Multidimensional diffusion MRI. Journal of Magnetic Resonance, 2017, 275, 98-113.	1.2	173
636	Early and progressive microstructural brain changes in mice overexpressing human α-Synuclein detected by diffusion kurtosis imaging. Brain, Behavior, and Immunity, 2017, 61, 197-208.	2.0	28
637	Lung adenocarcinoma: Assessment of epidermal growth factor receptor mutation status based on extended models of diffusion-weighted image. Journal of Magnetic Resonance Imaging, 2017, 46, 281-289.	1.9	22
638	Diffusion parameter mapping with the combined intravoxel incoherent motion and kurtosis model using artificial neural networks at 3ÂT. NMR in Biomedicine, 2017, 30, e3833.	1.6	49
639	Using machine learning to classify temporal lobe epilepsy based on diffusion <scp>MRI</scp> . Brain and Behavior, 2017, 7, e00801.	1.0	40
640	Diffusion Kurtosis Imaging Helps to Predict Upgrading in Biopsy-Proven Prostate Cancer With a Gleason Score of 6. American Journal of Roentgenology, 2017, 209, 1081-1087.	1.0	10
641	Precision and accuracy of diffusion kurtosis estimation and the influence of bâ€value selection. NMR in Biomedicine, 2017, 30, e3777.	1.6	66
642	Lipid Metabolism, Abdominal Adiposity, and Cerebral Health in the Amish. Obesity, 2017, 25, 1876-1880.	1.5	8
643	Diffusion Weighted Magnetic Resonance Imaging for Detection of Tissue Electroporation In Vivo. , 2017, , 723-743.		0
#	Article	IF	CITATIONS
-----	---	-------------------	------------
644	Histogram analysis of diffusion kurtosis imaging estimates for in vivo assessment of 2016 WHO glioma grades: A cross-sectional observational study. European Journal of Radiology, 2017, 95, 202-211.	1.2	26
645	Obstructive sleep apnea is associated with altered midbrain chemical concentrations. Neuroscience, 2017, 363, 76-86.	1.1	28
646	MR diffusion kurtosis imaging predicts malignant potential and the histological type of meningioma. European Journal of Radiology, 2017, 95, 286-292.	1.2	11
647	Revealing Hidden Potentials of the q-Space Signal in Breast Cancer. Lecture Notes in Computer Science, 2017, , 664-671.	1.0	6
648	Recent Computational Advances in Denoising for Magnetic Resonance Diffusional Kurtosis Imaging (DKI). Journal of the Indian Institute of Science, 2017, 97, 377-390.	0.9	3
649	An improved model for prostate diffusion incorporating the results of Monte Carlo simulations of diffusion in the cellular compartment. NMR in Biomedicine, 2017, 30, e3782.	1.6	10
650	Toward a Standardized Approach to Estimate Kurtosis in Body Applications of a Non-Gaussian Diffusion Kurtosis Imaging Model of Water Diffusion. Radiology, 2017, 285, 329-331.	3.6	4
651	Test-retest reliability of high spatial resolution diffusion tensor and diffusion kurtosis imaging. Scientific Reports, 2017, 7, 11141.	1.6	35
652	Effects of B Value on Quantification of Rapid Diffusion Kurtosis Imaging in Normal and Acute Ischemic Brain Tissues. Journal of Computer Assisted Tomography, 2017, 41, 868-876.	0.5	8
653	Differentiation of glioma malignancy grade using diffusion MRI. Physica Medica, 2017, 40, 24-32.	0.4	36
654	Whole brain analyses of age-related microstructural changes quantified using different diffusional magnetic resonance imaging methods. Japanese Journal of Radiology, 2017, 35, 584-589.	1.0	17
655	Diffusion Kurtosis Imaging of Microstructural Alterations in the Brains of Paediatric Patients with Congenital Sensorineural Hearing Loss. Scientific Reports, 2017, 7, 1543.	1.6	19
656	Non-Mono-Exponential Analysis of Diffusion-Weighted Imaging for Treatment Monitoring in Prostate Cancer Bone Metastases. Scientific Reports, 2017, 7, 5809.	1.6	9
657	Early white matter injuries in patients with acute carbon monoxide intoxication. Medicine (United) Tj ETQq1 1 0.	.784314 rg 0.4	gBT1Overlo
658	Quantitative evaluation of diffusion-kurtosis imaging for grading endometrial carcinoma: a comparative study with diffusion-weighted imaging. Clinical Radiology, 2017, 72, 995.e11-995.e20.	0.5	26
659	Brain Microstructural Abnormalities in Patients With Cirrhosis Without Overt Hepatic Encephalopathy: A Voxel-Based Diffusion Kurtosis Imaging Study. American Journal of Roentgenology, 2017, 209, 1128-1135.	1.0	19
660	Diffusion Quantification in Body Imaging. Topics in Magnetic Resonance Imaging, 2017, 26, 243-249.	0.7	10
661	Neuroimaging in the Diagnosis of Chronic Traumatic Encephalopathy: A Systematic Review. Clinical Journal of Sport Medicine, 2020, 30, S1-S10.	0.9	21

#	Article	IF	Citations
662	Validation of MRI-Based Fiber-Tracking Results. Applied Magnetic Resonance, 2017, 48, 241-254.	0.6	3
663	Spinal cord microstructure integrating phase-sensitive inversion recovery and diffusional kurtosis imaging. Neuroradiology, 2017, 59, 819-827.	1.1	5
664	The effects of striatal silent lacunar infarction on the substantia nigra and movement disorders in Parkinson's disease: A follow-up study. Parkinsonism and Related Disorders, 2017, 43, 33-37.	1.1	8
665	Application and evaluation of NODDI in the cervical spinal cord of multiple sclerosis patients. NeuroImage: Clinical, 2017, 15, 333-342.	1.4	84
666	Repetitive Model of Mild Traumatic Brain Injury Produces Cortical Abnormalities Detectable by Magnetic Resonance Diffusion Imaging, Histopathology, and Behavior. Journal of Neurotrauma, 2017, 34, 1364-1381.	1.7	71
667	Diffusion kurtosis imaging and diffusion-weighted imaging in assessment of liver fibrosis stage and necroinflammatory activity. Abdominal Radiology, 2017, 42, 1176-1182.	1.0	25
668	Comparison of compressed sensing diffusion spectrum imaging and diffusion tensor imaging in patients with intracranial masses. Magnetic Resonance Imaging, 2017, 36, 24-31.	1.0	13
669	Precise Inference and Characterization of Structural Organization (PICASO) of tissue from molecular diffusion. NeuroImage, 2017, 146, 452-473.	2.1	17
670	Evaluation of nonâ€Gaussian diffusion in cardiac MRI. Magnetic Resonance in Medicine, 2017, 78, 1174-1186.	1.9	12
671	Multiparametric MR diffusion-weighted imaging for monitoring the ultra-early treatment effect of sorafenib in human hepatocellular carcinoma xenografts. Journal of Magnetic Resonance Imaging, 2017, 46, 248-256.	1.9	10
672	The value of diffusion kurtosis magnetic resonance imaging for assessing treatment response of neoadjuvant chemoradiotherapy in locally advanced rectal cancer. European Radiology, 2017, 27, 1848-1857.	2.3	53
673	Diffusion kurtosis imaging for differentiating between the benign and malignant sinonasal lesions. Journal of Magnetic Resonance Imaging, 2017, 45, 1446-1454.	1.9	42
674	Imaging Biomarkers. , 2017, , .		7
675	Can we shorten the q-space imaging to make it clinically feasible?. Japanese Journal of Radiology, 2017, 35, 16-24.	1.0	3
676	Abnormal structural and functional hypothalamic connectivity in mild traumatic brain injury. Journal of Magnetic Resonance Imaging, 2017, 45, 1105-1112.	1.9	29
677	Effects of perfusion on DTI and DKI estimates in the skeletal muscle. Magnetic Resonance in Medicine, 2017, 78, 233-246.	1.9	36
678	Diffusion MRI of the spinal cord: from structural studies to pathology. NMR in Biomedicine, 2017, 30, e3592.	1.6	32
679	New insights about time-varying diffusivity and its estimation from diffusion MRI. Magnetic Resonance in Medicine, 2017, 78, 763-774.	1.9	11

#	Article	IF	CITATIONS
680	In vivo molecular profiling of human glioma using diffusion kurtosis imaging. Journal of Neuro-Oncology, 2017, 131, 93-101.	1.4	56
681	Imaging the Transformation of Ipsilateral Internal Capsule Following Focal Cerebral Ischemia in Rat by Diffusion Kurtosis Imaging. Journal of Stroke and Cerebrovascular Diseases, 2017, 26, 42-48.	0.7	4
682	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
683	g-Ratio weighted imaging of the human spinal cord in vivo. Neurolmage, 2017, 145, 11-23.	2.1	66
684	Diffusion-weighted breast MRI: Clinical applications and emerging techniques. Journal of Magnetic Resonance Imaging, 2017, 45, 337-355.	1.9	243
685	Comparison of Diffusion Metrics Obtained at 1.5T and 3T in Human Brain With Diffusional Kurtosis Imaging. Journal of Magnetic Resonance Imaging, 2017, 45, 673-680.	1.9	12
686	Optimization of prostate MRI acquisition and post-processing protocol: a pictorial review with access to acquisition protocols. Acta Radiologica Open, 2017, 6, 205846011774557.	0.3	19
688	Novel Diffusion-Kurtosis-Informed Template Reduces Distortions due to Partial Volume Effects and Improves Statistical between-Group Comparisons. , 2017, 07, .		1
689	Recent Developments in Fast Kurtosis Imaging. Frontiers in Physics, 2017, 5, .	1.0	38
690	Design and Validation of Diffusion MRI Models of White Matter. Frontiers in Physics, 2017, 5, .	1.0	167
691	Empirical Comparison of Diffusion Kurtosis Imaging and Diffusion Basis Spectrum Imaging Using the Same Acquisition in Healthy Young Adults. Frontiers in Neurology, 2017, 8, 118.	1.1	8
692	Restriction Spectrum Imaging As a Potential Measure of Cortical Neurite Density in Autism. Frontiers in Neuroscience, 2016, 10, 610.	1.4	16
693	Classifying Glioblastoma Multiforme Follow-Up Progressive vs. Responsive Forms Using Multi-Parametric MRI Features. Frontiers in Neuroscience, 2016, 10, 615.	1.4	22
694	NODDI-DTI: Estimating Neurite Orientation and Dispersion Parameters from a Diffusion Tensor in Healthy White Matter. Frontiers in Neuroscience, 2017, 11, 720.	1.4	54
695	Diffusion Kurtosis Imaging Detects Microstructural Changes in the Brain after Acute Alcohol Intoxication in Rats. BioMed Research International, 2017, 2017, 1-6.	0.9	8
696	Assessment of chemotherapy response in non-Hodgkin lymphoma involving the neck utilizing diffusion kurtosis imaging: a preliminary study. Diagnostic and Interventional Radiology, 2017, 23, 245-249.	0.7	8
697	The visual white matter: The application of diffusion MRI and fiber tractography to vision science. Journal of Vision, 2017, 17, 4.	0.1	66
698	Application of non-Gaussian water diffusional kurtosis imaging in the assessment of uterine tumors: A preliminary study. PLoS ONE, 2017, 12, e0188434.	1.1	5

#	Article	IF	CITATIONS
700	Acute Ethanol-Induced Changes in Microstructural and Metabolite Concentrations on the Brain. , 2017, , 3-9.		0
701	Sensitivity of restriction spectrum imaging to memory and neuropathology in Alzheimer's disease. Alzheimer's Research and Therapy, 2017, 9, 55.	3.0	25
703	Initial experience of correlating diffusion spectral parameters with histopathologic indexes in murine colorectal tumor homografts. OncoTargets and Therapy, 2017, Volume 10, 4213-4223.	1.0	0
704	Diffusion-kurtosis imaging predicts early radiotherapy response in nasopharyngeal carcinoma patients. Oncotarget, 2017, 8, 66128-66136.	0.8	2
705	Cancer Metabolism and Tumor Heterogeneity: Imaging Perspectives Using MR Imaging and Spectroscopy. Contrast Media and Molecular Imaging, 2017, 2017, 1-18.	0.4	39
706	Diffusion weighted imaging of the prostate—principles, application, and advances. Translational Andrology and Urology, 2017, 6, 490-498.	0.6	25
707	How Can New Imaging Modalities Help in the Practice of Radiology?. Eurasian Journal of Medicine, 2017, 48, 213-221.	0.2	21
708	What Is Adolescence?. , 0, , 1-20.		1
710	Cognitive Neuroscience Methods to Study the Adolescent Brain. , 0, , 50-84.		0
711	Brain Plasticity. , 0, , 85-115.		0
712	Neurocognitive Development. , 0, , 116-150.		0
713	Motivational Systems. , 0, , 151-178.		0
714	The Social Brain. , 0, , 179-213.		1
715	The Implications of Adolescent Neuroscience on Policy. , 0, , 214-250.		0
717	Complete List of References. , 0, , 256-306.		0
718	Microstructural Abnormalities of Basal Ganglia and Thalamus in Bipolar and Unipolar Disorders: A Diffusion Kurtosis and Perfusion Imaging Study. Psychiatry Investigation, 2017, 14, 471.	0.7	17
719	Radiomics Based on Adapted Diffusion Kurtosis Imaging Helps to Clarify Most Mammographic Findings Suspicious for Cancer. Radiology, 2018, 287, 761-770.	3.6	81
720	A model of non-Gaussian diffusion in heterogeneous media. Journal of Physics A: Mathematical and Theoretical, 2018, 51, 145602.	0.7	65

ARTICLE IF CITATIONS Neighborhood resolved fiber orientation distributions (NRFOD) in automatic labeling of white matter 721 7.0 4 fiber pathways. Medical Image Analysis, 2018, 46, 130-145. Brain Connectivity and Cognitive Flexibility in Nonirradiated Adult Survivors of Childhood Leukemia. Journal of the National Cancer Institute, 2018, 110, 905-913. Microstructural visual pathway abnormalities in patients with primary glaucoma: 3 T diffusion 723 0.5 14 kurtosis imaging study. Clinical Radiology, 2018, 73, 591.e9-591.e15. Subcortical nuclei in Alzheimer's disease: a volumetric and diffusion kurtosis imaging study. Acta 724 0.5 Radiologica, 2018, 59, 1365-1371. On modeling. Magnetic Resonance in Medicine, 2018, 79, 3172-3193. 725 1.9 286 Anisotropy of anomalous diffusion improves the accuracy of differentiating low- and high-grade cerebral gliomas. Magnetic Resonance Imaging, 2018, 51, 14-19. 1.0 Design and characterization of tissueâ€mimicking gel phantoms for diffusion kurtosis imaging. Medical 727 1.6 13 Physics, 2018, 45, 2476-2485. Oscillating gradient diffusion kurtosis imaging of normal and injured mouse brains. NMR in 728 1.6 Biomedicine, 2018, 31, e3917. Estimating fiber orientation distribution from diffusion MRI with spherical needlets. Medical Image 729 7.0 7 Analysis, 2018, 46, 57-72. Value of diffusion kurtosis imaging in assessing lowâ€grade gliomas. Journal of Magnetic Resonance Imaging, 2018, 48, 1551-1558 Bayesian uncertainty quantification in linear models for diffusion MRI. NeuroImage, 2018, 175, 272-285. 731 2.1 14 Magnetic resonance temporal diffusion tensor spectroscopy of disordered anisotropic tissue. 1.6 Scientific Reports, 2018, '8, 2930. Advanced DWI Methods for the Assessment of Ischemic Stroke. American Journal of Roentgenology, 733 1.0 3 2018, 210, 728-730. Alteration of putaminal fractional anisotropy in Parkinson's disease: a longitudinal diffusion kurtosis imaging study. Neuroradiology, 2018, 60, 247-254. 734 1.1 23 Diffusion Kurtosis Imaging Shows Similar Cerebral Axonal Damage in Patients with HIV Infection and 735 1.0 12 Multiple Sclerosis. Journal of Neuroimaging, 2018, 28, 320-327. Diffusion kurtosis imaging with free water elimination: A bayesian estimation approach. Magnetic Resonance in Medicine, 2018, 80, 802-813. Standard diffusion-weighted, diffusion kurtosis and intravoxel incoherent motion MR imaging of sinonasal malignancies: correlations with Ki-67 proliferation status. European Radiology, 2018, 28, 737 2.345 2923-2933. Principles of diffusion kurtosis imaging and its role in early diagnosis of neurodegenerative 1.4 disorders. Brain Research Bulletin, 2018, 139, 91-98.

#	Article	IF	CITATIONS
739	Assessing diffusion kurtosis tensor estimation methods using a digital brain phantom derived from human connectome project data. Magnetic Resonance Imaging, 2018, 48, 122-128.	1.0	1
740	PET/MRI in Prostate Cancer. , 2018, , 341-371.		0
741	Miniature pig model of human adolescent brain white matter development. Journal of Neuroscience Methods, 2018, 296, 99-108.	1.3	22
742	The use of diffusional kurtosis imaging and neurite orientation dispersion and density imaging of the brain in major depressive disorder. Journal of Psychiatric Research, 2018, 98, 22-29.	1.5	17
743	A study of neurite orientation dispersion and density imaging in wilson's disease. Journal of Magnetic Resonance Imaging, 2018, 48, 423-430.	1.9	18
744	A biomimetic tumor tissue phantom for validating diffusionâ€weighted MRI measurements. Magnetic Resonance in Medicine, 2018, 80, 147-158.	1.9	12
745	The development of brain white matter microstructure. NeuroImage, 2018, 182, 207-218.	2.1	363
746	Comparison of cumulant expansion and q-space imaging estimates for diffusional kurtosis in brain. Magnetic Resonance Imaging, 2018, 48, 80-88.	1.0	8
747	Multi-model Analysis of Diffusion-weighted Imaging of Normal Testes at 3.0 T. Academic Radiology, 2018, 25, 445-452.	1.3	4
748	Use of diffusion kurtosis imaging and quantitative dynamic contrastâ€enhanced MRI for the differentiation of breast tumors. Journal of Magnetic Resonance Imaging, 2018, 48, 1358-1366.	1.9	41
749	Advances in microstructural diffusion neuroimaging for psychiatric disorders. NeuroImage, 2018, 182, 259-282.	2.1	77
750	Diffusion kurtosis imaging allows the early detection and longitudinal follow-up of amyloid-β-induced pathology. Alzheimer's Research and Therapy, 2018, 10, 1.	3.0	120
751	Oral carcinoma: Clinical evaluation using diffusion kurtosis imaging and its correlation with histopathologic findings. Magnetic Resonance Imaging, 2018, 51, 69-78.	1.0	14
752	Diffusion kurtosis imaging in the differential diagnosis of parotid gland disease and parotid adenolymphoma: preliminary results. Dentomaxillofacial Radiology, 2018, 47, 20170388.	1.3	10
753	White matter biomarkers from diffusion MRI. Journal of Magnetic Resonance, 2018, 291, 127-140.	1.2	31
754	Tensor Eigenvalues and Their Applications. Advances in Mechanics and Mathematics, 2018, , .	0.2	106
755	Cumulant expansions for measuring water exchange using diffusion MRI. Journal of Chemical Physics, 2018, 148, 074109.	1.2	26
756	Diffusion Kurtosis Imaging of Acute Infarction: Comparison with Routine Diffusion and Follow-up MR Imaging. Radiology, 2018, 287, 651-657.	3.6	49

#	Article	IF	CITATIONS
757	Rotationally-invariant mapping of scalar and orientational metrics of neuronal microstructure with diffusion MRI. NeuroImage, 2018, 174, 518-538.	2.1	173
758	Diffusion kurtosis imaging of the liver at 3 Tesla: inÂvivo comparison to standard diffusion-weighted imaging. Acta Radiologica, 2018, 59, 18-25.	0.5	17
759	Diffusion Kurtosis as an in vivo Imaging Marker of Early Radiation-Induced Changes in Radiation-Induced Temporal Lobe Necrosis in Nasopharyngeal Carcinoma Patients. Clinical Neuroradiology, 2018, 28, 413-420.	1.0	16
760	Choice of reference measurements affects quantification of long diffusion time behaviour using stimulated echoes. Magnetic Resonance in Medicine, 2018, 79, 952-959.	1.9	3
761	Efficient experimental designs for isotropic generalized diffusion tensor MRI (IGDTI). Magnetic Resonance in Medicine, 2018, 79, 180-194.	1.9	16
762	Nonâ€gaussian diffusion evaluation of the human kidney by Padé exponent model. Journal of Magnetic Resonance Imaging, 2018, 47, 160-167.	1.9	5
763	Recovery from chemotherapy-induced white matter changes in young breast cancer survivors?. Brain Imaging and Behavior, 2018, 12, 64-77.	1.1	52
764	Diffusion MRI/NMR at high gradients: Challenges and perspectives. Microporous and Mesoporous Materials, 2018, 269, 79-82.	2.2	21
765	Diffusion MRI and the detection of alterations following traumatic brain injury. Journal of Neuroscience Research, 2018, 96, 612-625.	1.3	85
766	Multiparametric MRI of the breast: A review. Journal of Magnetic Resonance Imaging, 2018, 47, 301-315.	1.9	105
767	Histogram analyses of diffusion kurtosis indices and apparent diffusion coefficient in assessing liver regeneration after ALPPS and a comparative study with portal vein ligation. Journal of Magnetic Resonance Imaging, 2018, 47, 729-736.	1.9	7
768	Early evaluation of radiation-induced parotid damage with diffusion kurtosis imaging: a preliminary study. Acta Radiologica, 2018, 59, 212-220.	0.5	7
769	Validation of DWI pre-processing procedures for reliable differentiation between human brain gliomas. Zeitschrift Fur Medizinische Physik, 2018, 28, 14-24.	0.6	10
770	Timeâ€efficient and flexible design of optimized multishell HARDI diffusion. Magnetic Resonance in Medicine, 2018, 79, 1276-1292.	1.9	72
771	Nonâ€Gaussian diffusion imaging with a fractional order calculus model to predict response of gastrointestinal stromal tumor to secondâ€ŀine sunitinib therapy. Magnetic Resonance in Medicine, 2018, 79, 1399-1406.	1.9	31
772	Effect of myelin water exchange on DTIâ€derived parameters in diffusion MRI: Elucidation of TE dependence. Magnetic Resonance in Medicine, 2018, 79, 1650-1660.	1.9	15
773	Differentiation of olfactory neuroblastomas from nasal squamous cell carcinomas using MR diffusion kurtosis imaging and dynamic contrastâ€enhanced MRI. Journal of Magnetic Resonance Imaging, 2018, 47, 354-361.	1.9	16
774	Evaluation of fitting models for prostate tissue characterization using extendedâ€range bâ€factor diffusionâ€weighted imaging. Magnetic Resonance in Medicine, 2018, 79, 2346-2358.	1.9	19

#	Article	IF	Citations
775	Whole-tumour diffusion kurtosis MR imaging histogram analysis of rectal adenocarcinoma: Correlation with clinical pathologic prognostic factors. European Radiology, 2018, 28, 1485-1494.	2.3	45
776	Cardiac Diffusion MRI. , 2018, , 55-109.		2
777	ls there evidence for more than two diffusion components in abdominal organs? – A magnetic resonance imaging study in healthy volunteers. NMR in Biomedicine, 2018, 31, e3852.	1.6	24
778	Assessment of liver regeneration after associating liver partition and portal vein ligation for staged hepatectomy: a comparative study with portal vein ligation. Hpb, 2018, 20, 305-312.	0.1	6
779	Development of shortâ€range white matter in healthy children and adolescents. Human Brain Mapping, 2018, 39, 204-217.	1.9	27
780	Model selection for high b-value diffusion-weighted MRI of the prostate. Magnetic Resonance Imaging, 2018, 46, 21-27.	1.0	7
781	Features from Computerized Texture Analysis of Breast Cancers at Pretreatment MR Imaging Are Associated with Response to Neoadjuvant Chemotherapy. Radiology, 2018, 286, 412-420.	3.6	105
782	TE dependent Diffusion Imaging (TEdDI) distinguishes between compartmental T2 relaxation times. NeuroImage, 2018, 182, 360-369.	2.1	160
783	Characterization of the diffusion coefficient of blood. Magnetic Resonance in Medicine, 2018, 79, 2752-2758.	1.9	25
784	Implementing diffusion-weighted MRI for body imaging in prospective multicentre trials: current considerations and future perspectives. European Radiology, 2018, 28, 1118-1131.	2.3	43
785	Microstructure-informed slow diffusion tractography in humans enhances visualisation of fibre pathways. Magnetic Resonance Imaging, 2018, 45, 7-17.	1.0	4
786	Diffusion time dependence of microstructural parameters in fixed spinal cord. NeuroImage, 2018, 182, 329-342.	2.1	95
787	Assessment of Microvascular Invasion of Hepatocellular Carcinoma with Diffusion Kurtosis Imaging. Radiology, 2018, 286, 571-580.	3.6	123
788	Modelling anomalous diffusion using fractional Bloch–Torrey equations on approximate irregular domains. Computers and Mathematics With Applications, 2018, 75, 7-21.	1.4	18
789	A study on diffusion and kurtosis features of cervical cancer based on non-Gaussian diffusion weighted model. Magnetic Resonance Imaging, 2018, 47, 60-66.	1.0	18
790	Diffusion MRI findings in patients with extensive and minimal post-concussion symptoms after mTBI and healthy controls: a cross sectional study. Brain Injury, 2018, 32, 91-98.	0.6	9
791	Diagnostic evaluation of magnetization transfer and diffusion kurtosis imaging for prostate cancer detection in a re-biopsy population. European Radiology, 2018, 28, 3141-3150.	2.3	31
792	Investigation of diffusion kurtosis imaging for discriminating tumors from inflammatory lesions after treatment for bladder cancer. Journal of Magnetic Resonance Imaging, 2018, 48, 259-265.	1.9	11

	CITATION R	CITATION REPORT	
#	Article	IF	CITATIONS
793	Toward quantitative fast diffusion kurtosis imaging with bâ€values chosen in consideration of signalâ€ŧoâ€noise ratio and model fidelity. Medical Physics, 2018, 45, 605-612.	1.6	3
794	What dominates the time dependence of diffusion transverse to axons: Intra- or extra-axonal water?. NeuroImage, 2018, 182, 500-510.	2.1	65
795	Diffusion MRI of white matter microstructure development in childhood and adolescence: Methods, challenges and progress. Developmental Cognitive Neuroscience, 2018, 33, 161-175.	1.9	128
796	A probabilistic atlas of fiber crossings for variability reduction of anisotropy measures. Brain Structure and Function, 2018, 223, 635-651.	1.2	24
797	Brain microstructure by multi-modal MRI: Is the whole greater than the sum of its parts?. NeuroImage, 2018, 182, 117-127.	2.1	51
798	Relative enhanced diffusivity: noise sensitivity, protocol optimization, and the relation to intravoxel incoherent motion. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2018, 31, 425-438.	1.1	11
799	Diffusion kurtosis imaging with the breath-hold technique for staging hepatic fibrosis: A preliminary study. Magnetic Resonance Imaging, 2018, 47, 33-38.	1.0	21
800	Diffusion kurtosis imaging in identifying the malignancy of lymph nodes during the primary staging of rectal cancer. Colorectal Disease, 2018, 20, 116-125.	0.7	14
801	Liquid crystal phantom for validation of microscopic diffusion anisotropy measurements on clinical MRI systems. Magnetic Resonance in Medicine, 2018, 79, 1817-1828.	1.9	18
802	Microstructural Alterations in the Brains of Adults With Prelingual Sensorineural Hearing Loss: a Diffusion Kurtosis Imaging Study. Otology and Neurotology, 2018, 39, e936-e943.	0.7	3
803	No differences in brain microstructure between young KIBRA-C carriers and non-carriers. Oncotarget, 2018, 9, 1200-1209.	0.8	1
804	Assessing Tissue Heterogeneity by non-Gaussian Measures in a Permeable Environment. , 2018, , .		1
805	Dual-Phase ADC Modelling of Breast Masses in Diffusion-Weighted Imaging: Comparison with Histopathologic Findings. The Journal of Breast Health, 2018, 14, 85-92.	0.4	1
806	Abnormalities of diffusional kurtosis imaging and regional homogeneity in idiopathic generalized epilepsy with generalized tonic‑clonic seizures. Experimental and Therapeutic Medicine, 2019, 17, 603-612.	0.8	2
807	White Matter Tissue Quantification at Low b-Values Within Constrained Spherical Deconvolution Framework. Frontiers in Neurology, 2018, 9, 716.	1.1	36
808	Intravoxel incoherent motion and diffusion kurtosis imaging for discriminating soft tissue sarcoma from vascular anomalies. Medicine (United States), 2018, 97, e13641.	0.4	17
809	Diffusional Kurtosis along the Corticospinal Tract in Adult Normal Pressure Hydrocephalus. American Journal of Neuroradiology, 2018, 39, 2218-2223.	1.2	4
810	Grading and proliferation assessment of diffuse astrocytic tumors with monoexponential, biexponential, and stretched-exponential diffusion-weighted imaging and diffusion kurtosis imaging. European Journal of Radiology, 2018, 109, 188-195.	1.2	29

#	Article	IF	CITATIONS
812	A Review on the Role of Water Diffusion Modeling in Magnetic Resonance Imaging of Prostate Cancer. , 2018, , .		0
813	Potentials and challenges of diffusion-weighted magnetic resonance imaging in radiotherapy. Clinical and Translational Radiation Oncology, 2018, 13, 29-37.	0.9	47
814	Compressed Sensing Diffusion Spectrum Imaging for Accelerated Diffusion Microstructure MRI in Long-Term Population Imaging. Frontiers in Neuroscience, 2018, 12, 650.	1.4	26
815	Diffusion Kurtosis Imaging Characterizes Brain Microstructural Changes Associated with Cognitive Impairment in a Rat Model of Chronic Traumatic Brain Injury. Neuroscience, 2018, 392, 180-189.	1.1	10
816	Prediction of Isocitrate Dehydrogenase Genotype in Brain Gliomas with MRI: Single-Shell versus Multishell Diffusion Models. Radiology, 2018, 289, 788-796.	3.6	31
817	Types of naming errors in chronic post-stroke aphasia are dissociated by dual stream axonal loss. Scientific Reports, 2018, 8, 14352.	1.6	32
818	Diffusional kurtosis imaging in head and neck cancer: On the use of traceâ€weighted images to estimate indices of nonâ€Gaussian water diffusion. Medical Physics, 2018, 45, 5411-5419.	1.6	12
819	Differentiation between vestibular schwannomas and meningiomas with atypical appearance using diffusion kurtosis imaging and three-dimensional arterial spin labeling imaging. European Journal of Radiology, 2018, 109, 13-18.	1.2	9
820	Histogram Analysis of Diffusion Kurtosis Magnetic Resonance Imaging for Diagnosis of Hepatic Fibrosis. Korean Journal of Radiology, 2018, 19, 916.	1.5	16
821	Subtle abnormality in neurite dispersion in idiopathic generalized epilepsy detected by an advanced diffusion imaging technique. Epilepsy and Seizure, 2018, 10, 33-43.	0.1	3
822	Accurate estimation of microscopic diffusion anisotropy and its time dependence in the mouse brain. NeuroImage, 2018, 183, 934-949.	2.1	46
823	Quantitative diffusion MRI using reduced field-of-view and multi-shot acquisition techniques: Validation in phantoms and prostate imaging. Magnetic Resonance Imaging, 2018, 51, 173-181.	1.0	14
824	Diffusional kurtosis imaging and white matter microstructure modeling in a clinical study of major depressive disorder. NMR in Biomedicine, 2018, 31, e3938.	1.6	16
825	Mono-exponential, diffusion kurtosis and stretched exponential diffusion MR imaging response to chemoradiation in newly diagnosed glioblastoma. Journal of Neuro-Oncology, 2018, 139, 651-659.	1.4	25
826	Diagnostic Performance of Monoexponential DWI Versus Diffusion Kurtosis Imaging in Prostate Cancer: A Systematic Review and Meta-Analysis. American Journal of Roentgenology, 2018, 211, 358-368.	1.0	31
827	Using 1H2O MR to measure and map sodium pump activity in vivo. Journal of Magnetic Resonance, 2018, 291, 110-126.	1.2	43
828	Application of Diffusion Kurtosis Imaging and Histogram Analysis for Assessing Preoperative Stages of Rectal Cancer. Gastroenterology Research and Practice, 2018, 2018, 1-7.	0.7	8
829	Local volume fraction distributions of axons, astrocytes, and myelin in deep subcortical white matter. NeuroImage, 2018, 179, 275-287.	2.1	17

#	Article	IF	CITATIONS
830	Diffusional kurtosis imaging in assessing renal function and pathology of IgA nephropathy: a preliminary clinical study. Clinical Radiology, 2018, 73, 818-826.	0.5	24
831	Chronic differences in white matter integrity following sportâ€related concussion as measured by diffusion MRI: 6â€Month followâ€up. Human Brain Mapping, 2018, 39, 4276-4289.	1.9	41
832	Stroke infarct volume estimation in fixed tissue: Comparison of diffusion kurtosis imaging to diffusion weighted imaging and histology in a rodent MCAO model. PLoS ONE, 2018, 13, e0196161.	1.1	15
833	Diffusion kurtosis imaging in the characterisation of rectal cancer: utilizing the most repeatable region-of-interest strategy for diffusion parameters on a 3T scanner. European Radiology, 2018, 28, 5211-5220.	2.3	18
834	Physical and numerical phantoms for the validation of brain microstructural MRI: A cookbook. NeuroImage, 2018, 182, 39-61.	2.1	74
835	A robust deconvolution method to disentangle multiple water pools in diffusion MRI. NMR in Biomedicine, 2018, 31, e3965.	1.6	23
836	Apparent diffusion coefficient of hepatocellular carcinoma on diffusion-weighted imaging: Histopathologic tumor grade versus arterial vascularity during dynamic magnetic resonance imaging. PLoS ONE, 2018, 13, e0197070.	1.1	11
837	Evaluation of the accuracy and precision of the diffusion parameter EStImation with Gibbs and NoisE removal pipeline. NeuroImage, 2018, 183, 532-543.	2.1	123
838	Models of Network Spread and Network Degeneration in Brain Disorders. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2018, 3, 788-797.	1.1	37
839	Microstructural alterations of cortical and deep gray matter over a season of high school football revealed by diffusion kurtosis imaging. Neurobiology of Disease, 2018, 119, 79-87.	2.1	19
840	Longitudinal Microstructural Changes in Traumatic Brain Injury in Rats: A Diffusional Kurtosis Imaging, Histology, and Behavior Study. American Journal of Neuroradiology, 2018, 39, 1650-1656.	1.2	20
841	A Modified Tri-Exponential Model for Multi-b-value Diffusion-Weighted Imaging: A Method to Detect the Strictly Diffusion-Limited Compartment in Brain. Frontiers in Neuroscience, 2018, 12, 102.	1.4	20
842	Microstructure Characterization of Bone Metastases from Prostate Cancer with Diffusion MRI: Preliminary Findings. Frontiers in Oncology, 2018, 8, 26.	1.3	9
843	Intra- and extra-axonal axial diffusivities in the white matter: Which one is faster?. NeuroImage, 2018, 181, 314-322.	2.1	40
844	Diffusion-weighted breast imaging. Der Radiologe, 2018, 58, 14-19.	1.7	9
845	Imaging brain tumour microstructure. Neurolmage, 2018, 182, 232-250.	2.1	62
846	Utility of a Hybrid IVIM-DKI Model to Predict the Development of Distant Metastasis in Head and Neck Squamous Cell Carcinoma Patients. Magnetic Resonance in Medical Sciences, 2018, 17, 21-27.	1.1	15
847	Diffusion Kurtosis Imaging Combined With DWI at 3-T MRI for Detection and Assessment of Aggressiveness of Prostate Cancer. American Journal of Roentgenology, 2018, 211, 797-804.	1.0	23

#	Article	IF	CITATIONS
848	In vivo Diffusion Tensor Imaging, Diffusion Kurtosis Imaging, and Tractography of a Sciatic Nerve Injury Model in Rat at 9.4T. Scientific Reports, 2018, 8, 12911.	1.6	25
849	Studying neurons and glia non-invasively via anomalous subdiffusion of intracellular metabolites. Brain Structure and Function, 2018, 223, 3841-3854.	1.2	17
850	Evaluation of patients with relapsing-remitting multiple sclerosis using tract-based spatial statistics analysis: diffusion kurtosis imaging. BMC Neurology, 2018, 18, 108.	0.8	21
851	Relationship between kurtosis and bi-exponential characterization of high b-value diffusion-weighted imaging: application to prostate cancer. Acta Radiologica, 2018, 59, 1523-1529.	0.5	11
852	Differential microstructural alterations in rat cerebral cortex in a model of chronic mild stress depression. PLoS ONE, 2018, 13, e0192329.	1.1	11
853	Rapid and widespread white matter plasticity during an intensive reading intervention. Nature Communications, 2018, 9, 2260.	5.8	107
854	MR diffusion kurtosis imaging for cancer diagnosis: A meta-analysis of the diagnostic accuracy of quantitative kurtosis value and diffusion coefficient. Clinical Imaging, 2018, 52, 44-56.	0.8	9
855	Estimating the distributed diffusion coefficient of breast tissue in diffusion-weighted imaging using multilayer perceptrons. Soft Computing, 2019, 23, 7821-7830.	2.1	1
856	Automated processing pipeline for neonatal diffusion MRI in the developing Human Connectome Project. Neurolmage, 2019, 185, 750-763.	2.1	127
857	Microstructural and Neurochemical Changes in the Rat Brain After Diffuse Axonal Injury. Journal of Magnetic Resonance Imaging, 2019, 49, 1069-1077.	1.9	6
858	Magnetic Resonance Diffusion Kurtosis Imaging for Evaluating Stage of Liver Fibrosis in a Rabbit Model. Academic Radiology, 2019, 26, e90-e97.	1.3	9
859	Diffusion kurtosis imaging in sacroiliitis to evaluate the activity of ankylosing spondylitis. Journal of Magnetic Resonance Imaging, 2019, 49, 101-108.	1.9	18
860	Early diagnosis of radio-insensitive human nasopharyngeal carcinoma xenograft models by diffusion kurtosis imaging. Magnetic Resonance Imaging, 2019, 55, 128-132.	1.0	3
861	Multimodal integration of diffusion MRI for better characterization of tissue biology. NMR in Biomedicine, 2019, 32, e3939.	1.6	6
862	Brain microstructural abnormalities in type 2 diabetes mellitus: A systematic review of diffusion tensor imaging studies. Frontiers in Neuroendocrinology, 2019, 55, 100782.	2.5	45
863	Diffusion kurtosis imaging does not improve differentiation performance of breast lesions in a short clinical protocol. Magnetic Resonance Imaging, 2019, 63, 205-216.	1.0	18
864	Current and Future Imaging Methods for Evaluating Response to Immunotherapy in Neuro-Oncology. Theranostics, 2019, 9, 5085-5104.	4.6	29
865	Diffusion Kurtosis MR Imaging versus Conventional Diffusion-Weighted Imaging for Distinguishing Hepatocellular Carcinoma from Benign Hepatic Nodules. Contrast Media and Molecular Imaging, 2019, 2019, 1-10.	0.4	4

#	Article	IF	CITATIONS
866	Cerebral Multishell Diffusion Imaging Parameters are Associated with Blood Biomarkers of Disease Severity in HIV Infection. Journal of Neuroimaging, 2019, 29, 771-778.	1.0	7
867	Early assessment of recurrent glioblastoma response to bevacizumab treatment by diffusional kurtosis imaging: a preliminary report. Neuroradiology Journal, 2019, 32, 317-327.	0.6	1
868	Diagnostic evaluation of diffusion kurtosis imaging for prostate cancer: Detection in a biopsy population. European Journal of Radiology, 2019, 118, 138-146.	1.2	6
869	Radiomics and machine learning of multisequence multiparametric prostate MRI: Towards improved non-invasive prostate cancer characterization. PLoS ONE, 2019, 14, e0217702.	1.1	76
870	Development of voxel-based optimization diffusion kurtosis imaging (DKI) and comparison with conventional DKI. Radiological Physics and Technology, 2019, 12, 290-298.	1.0	1
871	The time-dependent diffusivity in the abdominal ganglion of Aplysia californica: experiments and simulations. Biomedical Physics and Engineering Express, 2019, 5, 045036.	0.6	0
872	Development of anisotropic phantoms using wood and fiber materials for diffusion tensor imaging and diffusion kurtosis imaging. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2019, 32, 539-547.	1.1	3
873	Linear, planar and spherical tensor-valued diffusion MRI data by free waveform encoding in healthy brain, water, oil and liquid crystals. Data in Brief, 2019, 25, 104208.	0.5	24
874	Multiple dimensions for random walks. Journal of Magnetic Resonance, 2019, 306, 150-154.	1.2	10
875	In vivo magnetic resonance imaging and spectroscopy. Technological advances and opportunities for applications continue to abound. Journal of Magnetic Resonance, 2019, 306, 55-65.	1.2	10
876	Diffusional kurtosis imaging for differentiation of additional suspicious lesions on preoperative breast MRI of patients with known breast cancer. Magnetic Resonance Imaging, 2019, 62, 199-208.	1.0	17
877	Optimal b-values for diffusion kurtosis imaging in invasive ductal carcinoma versus ductal carcinoma in situ breast lesions. Australasian Physical and Engineering Sciences in Medicine, 2019, 42, 871-885.	1.4	6
878	Diffusion kurtosis MRI as a predictive biomarker of response to neoadjuvant chemotherapy in high grade serous ovarian cancer. Scientific Reports, 2019, 9, 10742.	1.6	10
879	Localization regime in diffusion NMR: Theory and experiments. Journal of Magnetic Resonance, 2019, 305, 162-174.	1.2	22
880	Histogram analysis of diffusion kurtosis imaging in the differentiation of malignant from benign breast lesions. European Journal of Radiology, 2019, 117, 156-163.	1.2	21
881	Optimization of data acquisition and analysis for fiber ball imaging. NeuroImage, 2019, 200, 690-703.	2.1	20
882	Optimal b-values for diffusion kurtosis imaging of the liver and pancreas in MR examinations. Physica Medica, 2019, 66, 119-123.	0.4	12
883	The effect of spatial resolution on the reproducibility of diffusion imaging when controlled signal to noise ratio. Biomedical Journal, 2019, 42, 268-276.	1.4	8

#	Article	IF	CITATIONS
884	Tensor-valued diffusion encoding for diffusional variance decomposition (DIVIDE): Technical feasibility in clinical MRI systems. PLoS ONE, 2019, 14, e0214238.	1.1	67
885	Traumatic and nontraumatic spinal cord injury: pathological insights from neuroimaging. Nature Reviews Neurology, 2019, 15, 718-731.	4.9	125
886	Non-Gaussian models of diffusion weighted imaging for detection and characterization of prostate cancer: a systematic review and meta-analysis. Scientific Reports, 2019, 9, 16837.	1.6	13
887	Differences between normal and diabetic brains in middle-aged rats by MRI. Brain Research, 2019, 1724, 146407.	1.1	5
888	Noise Level Matching Improves Robustness of Diffusion Mri Parameter Inference by Synthetic Q-Space Learning. , 2019, , .		6
889	Diffusion Tensor Model links to Neurite Orientation Dispersion and Density Imaging at high b-value in Cerebral Cortical Gray Matter. Scientific Reports, 2019, 9, 12246.	1.6	49
890	Multi-Shell Diffusion MRI Measures of Brain Aging: A Preliminary Comparison From ADNI3. , 2019, , .		3
891	Evaluation of diffusion kurtosis imaging in stratification of nonalcoholic fatty liver disease and early diagnosis of nonalcoholic steatohepatitis in a rabbit model. Magnetic Resonance Imaging, 2019, 63, 267-273.	1.0	7
892	Fixel-Based Analysis of Visual Pathway White Matter in Primary Open-Angle Glaucoma. , 2019, 60, 3803.		23
893	Radiomics Analysis for Glioma Malignancy Evaluation Using Diffusion Kurtosis and Tensor Imaging. International Journal of Radiation Oncology Biology Physics, 2019, 105, 784-791.	0.4	28
894	SpinDoctor: A MATLAB toolbox for diffusion MRI simulation. NeuroImage, 2019, 202, 116120.	2.1	17
895	Broadband photocatalysis using a Z-scheme heterojunction of Au/NaYF ₄ :Yb,Er/WO ₃ ·0.33H ₂ O-W ₁₈ O ₄₉ <i>vi a synergetic strategy of upconversion function and plasmonic effect. Inorganic Chemistry Frontiers, 2019. 6. 3158-3167.</i>	a 3.0	25
896	q-Space Imaging Yields a Higher Effect Gradient to Assess Cellularity than Conventional Diffusion-weighted Imaging Methods at 3.0 T: A Pilot Study with Freshly Excised Whole-Breast Tumors. Radiology Imaging Cancer, 2019, 1, e190008.	0.7	4
897	An Open-Source Tool for Anisotropic Radiation Therapy Planning in Neuro-oncology Using DW-MRI Tractography. Frontiers in Oncology, 2019, 9, 810.	1.3	7
898	Magnetic Resonance Brain Imaging. Use R!, 2019, , .	0.3	2
899	Diffusion kurtosis imaging as an imaging biomarker for predicting prognosis of the patients with high-grade gliomas. Magnetic Resonance Imaging, 2019, 63, 131-136.	1.0	11
900	Reproducibility of axonal water fraction derived from the spherical mean diffusion weighted signal. Magnetic Resonance Imaging, 2019, 63, 49-54.	1.0	0
901	<p>Neurite orientation and dispersion density imaging: clinical utility, efficacy, and role in therapy</p> . Reports in Medical Imaging, 0, Volume 12, 17-29.	0.8	7

	CITATION	KLPOKI	
#	Article	IF	CITATIONS
902	Diffusion kurtosis imaging of gray matter in schizophrenia. Cortex, 2019, 121, 201-224.	1.1	16
903	Personalized microstructural evaluation using a Mahalanobis-distance based outlier detection strategy on epilepsy patients' DTI data – Theory, simulations and example cases. PLoS ONE, 2019, 14, e0222720.	1.1	3
904	Diffusion kurtosis imaging histogram parameter metrics predicting survival in integrated molecular subtypes of diffuse glioma: An observational cohort study. European Journal of Radiology, 2019, 112, 144-152.	1.2	17
905	Dynamics of blood brain barrier permeability and tissue microstructure following controlled cortical impact injury in rat: A dynamic contrast-enhanced magnetic resonance imaging and diffusion kurtosis imaging study. Magnetic Resonance Imaging, 2019, 62, 1-9.	1.0	14
906	Improved stimulated echo in diffusion magnetic resonance imaging: introducing a π pulse for SNR enhancement. Magnetic Resonance in Medicine, 2019, 81, 2905-2914.	1.9	4
907	Brain MR kurtosis imaging study: Contrasting gray and white matter. Cognitive Systems Research, 2019, 55, 135-145.	1.9	6
908	Recommendations towards standards for quantitative MRI (qMRI) and outstanding needs. Journal of Magnetic Resonance Imaging, 2019, 49, e26-e39.	1.9	67
909	Diffusion kurtosis imaging to assess correlations with clinicopathologic factors for bladder cancer: a comparison between the multi-b value method and the tensor method. European Radiology, 2019, 29, 4447-4455.	2.3	20
910	Effects of nongaussian diffusion on "isotropic diffusion―measurements: An ex-vivo microimaging and simulation study. Journal of Magnetic Resonance, 2019, 300, 84-94.	1.2	58
911	Decreased Mean Kurtosis in the Putamen is a Diagnostic Feature of Minimal Hepatic Encephalopathy in Patients with Cirrhosis. Internal Medicine, 2019, 58, 1217-1224.	0.3	9
912	Applying microstructural models to understand the role of white matter in cognitive development. Developmental Cognitive Neuroscience, 2019, 36, 100624.	1.9	37
913	Neurite atrophy in dorsal hippocampus of rat indicates incomplete recovery of chronic mild stress induced depression. NMR in Biomedicine, 2019, 32, e4057.	1.6	13
914	Differentiation Between Multiple System Atrophy and Other Spinocerebellar Degenerations Using Diffusion Kurtosis Imaging. Academic Radiology, 2019, 26, e333-e339.	1.3	6
915	Fast and Robust Diffusion Kurtosis Parametric Mapping Using a Three-Dimensional Convolutional Neural Network. IEEE Access, 2019, 7, 71398-71411.	2.6	18
916	Intravoxel incoherent motion diffusion MR and diffusion kurtosis imaging for discriminating atypical bone metastasis from benign bone lesion. British Journal of Radiology, 2019, 92, 20190119.	1.0	8
917	Non-mono-exponential diffusion models for assessing early response of liver metastases to chemotherapy in colorectal Cancer. Cancer Imaging, 2019, 19, 39.	1.2	13
918	MRI for Radiotherapy. , 2019, , .		4
919	Functional MR Imaging. , 2019. , 73-94.		1

#	Article	IF	Citations
920	White matter alterations in adult with autism spectrum disorder evaluated using diffusion kurtosis imaging. Neuroradiology, 2019, 61, 1343-1353.	1.1	13
921	PI-RADS version 2.1: one small step for prostate MRI. Clinical Radiology, 2019, 74, 841-852.	0.5	108
922	White matter plasticity and maturation in human cognition. Glia, 2019, 67, 2020-2037.	2.5	31
923	Optimization of graph construction can significantly increase the power of structural brain network studies. NeuroImage, 2019, 199, 495-511.	2.1	37
924	Towards an optimised processing pipeline for diffusion magnetic resonance imaging data: Effects of artefact corrections on diffusion metrics and their age associations in UK Biobank. Human Brain Mapping, 2019, 40, 4146-4162.	1.9	64
925	Feasibility of Non-Gaussian Diffusion Metrics in Chronic Disorders of Consciousness. Brain Sciences, 2019, 9, 123.	1.1	9
926	Maxwellâ€compensated design of asymmetric gradient waveforms for tensorâ€valued diffusion encoding. Magnetic Resonance in Medicine, 2019, 82, 1424-1437.	1.9	81
927	Renal cell carcinoma: preoperative evaluate the grade of histological malignancy using volumetric histogram analysis derived from magnetic resonance diffusion kurtosis imaging. Quantitative Imaging in Medicine and Surgery, 2019, 9, 671-680.	1.1	13
928	Optimization of bâ€value schemes for estimation of the diffusion coefficient and the perfusion fraction with segmented intravoxel incoherent motion model fitting. Magnetic Resonance in Medicine, 2019, 82, 1541-1552.	1.9	31
929	Prostate cancer aggressive prediction: preponderant diagnostic performances of intravoxel incoherent motion (IVIM) imaging and diffusion kurtosis imaging (DKI) beyond ADC at 3.0 T scanner with gleason score at final pathology. Abdominal Radiology, 2019, 44, 3441-3452.	1.0	20
930	Altered white matter microstructure in patients with post-stroke depression detected by diffusion kurtosis imaging. Neurological Sciences, 2019, 40, 2097-2103.	0.9	12
931	Comparison of diffusion kurtosis imaging versus diffusion weighted imaging in predicting the recurrence of early stage single nodules of hepatocellular carcinoma treated by radiofrequency ablation. Cancer Imaging, 2019, 19, 30.	1.2	9
932	Diffusion tensor and restriction spectrum imaging reflect different aspects of neurodegeneration in Parkinson's disease. PLoS ONE, 2019, 14, e0217922.	1.1	17
933	Evaluation of diffusion kurtosis and diffusivity from baseline staging MRI as predictive biomarkers for response to neoadjuvant chemoradiation in locally advanced rectal cancer. Abdominal Radiology, 2019, 44, 3701-3708.	1.0	7
934	Differentiating between malignant and benign renal tumors: do IVIM and diffusion kurtosis imaging perform better than DWI?. European Radiology, 2019, 29, 6930-6939.	2.3	59
935	Diffusion MRI Outside the Brain. Mathematics and Visualization, 2019, , 227-249.	0.4	1
936	Muti-shell Diffusion MRI Harmonisation and Enhancement Challenge (MUSHAC): Progress and Results. Mathematics and Visualization, 2019, , 217-224.	0.4	12
937	Evaluating the inflammatory activity in Crohn's disease using magnetic resonance diffusion kurtosis imaging. Abdominal Radiology, 2019, 44, 2679-2688.	1.0	2

#	Article	IF	CITATIONS
938	Resolving degeneracy in diffusion MRI biophysical model parameter estimation using double diffusion encoding. Magnetic Resonance in Medicine, 2019, 82, 395-410.	1.9	52
939	A comparative study of diffusion kurtosis imaging and T2* mapping in quantitative detection of lumbar intervertebral disk degeneration. European Spine Journal, 2019, 28, 2169-2178.	1.0	5
940	Fractional Order Complexity Model of the Diffusion Signal Decay in MRI. Mathematics, 2019, 7, 348.	1.1	20
941	Diffuse white matter response in trauma-injured brain to bone marrow stromal cell treatment detected by diffusional kurtosis imaging. Brain Research, 2019, 1717, 127-135.	1.1	3
942	Noninvasive assessment of renal fibrosis by magnetic resonance imaging and ultrasound techniques. Translational Research, 2019, 209, 105-120.	2.2	56
943	Monitoring Response to Neoadjuvant Chemotherapy of Primary Osteosarcoma Using Diffusion Kurtosis Magnetic Resonance Imaging: Initial Findings. Korean Journal of Radiology, 2019, 20, 801.	1.5	13
944	Computational Diffusion MRI. Mathematics and Visualization, 2019, , .	0.4	4
945	Diffusion kurtosis imaging (DKI) of hepatocellular carcinoma: correlation with microvascular invasion and histologic grade. Quantitative Imaging in Medicine and Surgery, 2019, 9, 590-602.	1.1	42
946	Diffusion MR imaging acquisition and analytics for microstructural delineation in pre linical models of TBI. Journal of Neuroscience Research, 2022, 100, 1128-1139.	1.3	3
947	Spinal Cord Imaging in Amyotrophic Lateral Sclerosis: Historical Concepts—Novel Techniques. Frontiers in Neurology, 2019, 10, 350.	1.1	55
948	Monte Carlo Simulations of Water Exchange Through Myelin Wraps: Implications for Diffusion MRI. IEEE Transactions on Medical Imaging, 2019, 38, 1438-1445.	5.4	17
949	The Conjoint Analysis of Microstructural and Morphological Changes of Gray Matter During Aging. Frontiers in Neurology, 2019, 10, 184.	1.1	6
950	Effects of signal averaging, gradient encoding scheme, and spatial resolution on diffusion kurtosis imaging: An empirical study using 7T MRI. Journal of Magnetic Resonance Imaging, 2019, 50, 1593-1603.	1.9	4
951	Diffusion MRI in the brain – Theory and concepts. Progress in Nuclear Magnetic Resonance Spectroscopy, 2019, 112-113, 1-16.	3.9	51
952	The Impact of Early Neuroimaging and Developmental Assessment in a Preterm Infant Diagnosed with Cerebral Palsy. Case Reports in Pediatrics, 2019, 2019, 1-7.	0.2	2
953	Effects of Acute Alcohol Consumption on the Human Brain: Diffusional Kurtosis Imaging and Arterial Spin-Labeling Study. American Journal of Neuroradiology, 2019, 40, 641-647.	1.2	5
954	Diffusion MRI Indices and Their Relation to Cognitive Impairment in Brain Aging: The Updated Multi-protocol Approach in ADNI3. Frontiers in Neuroinformatics, 2019, 13, 2.	1.3	79
955	Searching for the neurite density with diffusion MRI: Challenges for biophysical modeling. Human Brain Mapping, 2019, 40, 2529-2545.	1.9	103

#	Article	IF	CITATIONS
956	A unique analytical solution of the white matter standard model using linear and planar encodings. Magnetic Resonance in Medicine, 2019, 81, 3819-3825.	1.9	35
957	Comparison of monoexponential, intravoxel incoherent motion diffusion-weighted imaging and diffusion kurtosis imaging for assessment of hepatic fibrosis. Acta Radiologica, 2019, 60, 1593-1601.	0.5	11
958	MK-curve - Characterizing the relation between mean kurtosis and alterations in the diffusion MRI signal. NeuroImage, 2019, 196, 68-80.	2.1	15
959	Principal component analysis for fast and model-free denoising of multi b-value diffusion-weighted MR images. Physics in Medicine and Biology, 2019, 64, 105015.	1.6	22
960	D-optimal design of b-values for precise intra-voxel incoherent motion imaging. Biomedical Physics and Engineering Express, 2019, 5, 035025.	0.6	3
961	Noninvasive technique to evaluate the muscle fiber characteristics using q-space imaging. PLoS ONE, 2019, 14, e0214805.	1.1	14
962	Brain networks and their relevance for stroke rehabilitation. Clinical Neurophysiology, 2019, 130, 1098-1124.	0.7	129
963	Translating preclinical MRI methods to clinical oncology. Journal of Magnetic Resonance Imaging, 2019, 50, 1377-1392.	1.9	24
964	The use of diffusional kurtosis imaging and neurite orientation dispersion and density imaging of the brain in bipolar disorder. Journal of Affective Disorders, 2019, 251, 231-234.	2.0	12
965	Reproducibility of multi-shell diffusion tractography on traveling subjects: A multicenter study prospective. Magnetic Resonance Imaging, 2019, 59, 1-9.	1.0	20
966	Microscopic anisotropy misestimation in sphericalâ€mean single diffusion encoding MRI. Magnetic Resonance in Medicine, 2019, 81, 3245-3261.	1.9	63
967	Diffusion-weighted magnetic resonance spectroscopy enables cell-specific monitoring of astrocyte reactivity in vivo. Neurolmage, 2019, 191, 457-469.	2.1	42
968	Longitudinal White Matter Changes following Carbon Monoxide Poisoning: A 9-Month Follow-Up Voxelwise Diffusional Kurtosis Imaging Study. American Journal of Neuroradiology, 2019, 40, 478-482.	1.2	7
969	Differential cortical microstructural maturation in the preterm human brain with diffusion kurtosis and tensor imaging. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 4681-4688.	3.3	73
970	High-Spatial-Resolution Diffusion MRI in Parkinson Disease: Lateral Asymmetry of the Substantia Nigra. Radiology, 2019, 291, 149-157.	3.6	35
971	IMAge/enGINE: a freely available software for rapid computation of high-dimensional quantification. Quantitative Imaging in Medicine and Surgery, 2019, 9, 210-218.	1.1	24
972	Application of magnetic resonance diffusion kurtosis imaging for distinguishing histopathologic subtypes and grades of rectal carcinoma. Cancer Imaging, 2019, 19, 8.	1.2	13
973	Comparative analysis of the value of diffusion kurtosis imaging and diffusion-weighted imaging in evaluating the histological features of endometrial cancer. Cancer Imaging, 2019, 19, 9.	1.2	24

#	Article	IF	CITATIONS
974	Axonal water fraction as marker of white matter injury in primaryâ€progressive multiple sclerosis: a longitudinal study. European Journal of Neurology, 2019, 26, 1068-1074.	1.7	11
975	Imaging G-Ratio in Multiple Sclerosis Using High-Gradient Diffusion MRI and Macromolecular Tissue Volume. American Journal of Neuroradiology, 2019, 40, 1871-1877.	1.2	30
976	Heterogeneity Diffusion Imaging of gliomas: Initial experience and validation. PLoS ONE, 2019, 14, e0225093.	1.1	0
977	An Introduction to Kurtosis Fractional Anisotropy. American Journal of Neuroradiology, 2019, 40, 1638-1641.	1.2	11
978	Emerging quantitative MR imaging biomarkers in inflammatory arthritides. European Journal of Radiology, 2019, 121, 108707.	1.2	6
980	Detecting normal pediatric brain development with diffusional kurtosis imaging. European Journal of Radiology, 2019, 120, 108690.	1.2	15
981	Visualization of Myelin for the Diagnosis and Treatment Monitoring of Multiple Sclerosis. Advances in Experimental Medicine and Biology, 2019, 1190, 249-256.	0.8	2
982	Modulating Diffusion-Weighted Magnetic Resonance Imaging for Screening in Oncologic Tertiary Prevention. Investigative Radiology, 2019, 54, 704-711.	3.5	4
983	Topics on quantitative liver magnetic resonance imaging. Quantitative Imaging in Medicine and Surgery, 2019, 9, 1840-1890.	1.1	31
984	Diffusion Kurtosis Imaging for Detection of Early Brain Changes in Parkinson's Disease. Frontiers in Neurology, 2019, 10, 1285.	1.1	17
986	Advances in Diffusion and Perfusion MRI for Quantitative Cancer Imaging. Current Pathobiology Reports, 2019, 7, 129-141.	1.6	3
987	Threshold Isocontouring on High b-Value Diffusion-Weighted Images in Magnetic Resonance Mammography. Journal of Computer Assisted Tomography, 2019, 43, 434-442.	0.5	3
988	Retrospective harmonization of multi-site diffusion MRI data acquired with different acquisition parameters. Neurolmage, 2019, 184, 180-200.	2.1	115
989	Influence of the extracellular matrix on water mobility in subcortical gray matter. Magnetic Resonance in Medicine, 2019, 81, 1265-1279.	1.9	6
990	Diffusion Kurtosis at 3.0T as an in vivo Imaging Marker for Breast Cancer Characterization: Correlation With Prognostic Factors. Journal of Magnetic Resonance Imaging, 2019, 49, 845-856.	1.9	50
991	In vivo microscopic diffusional kurtosis imaging with symmetrized double diffusion encoding EPI. Magnetic Resonance in Medicine, 2019, 81, 533-541.	1.9	10
992	Age-related microstructural and physiological changes in normal brain measured by MRI Î ³ -metrics derived from anomalous diffusion signal representation. NeuroImage, 2019, 188, 654-667.	2.1	17
993	Gamma Distribution Model in the Evaluation of Breast Cancer Through Diffusionâ€Weighted MRI: A Preliminary Study. Journal of Magnetic Resonance Imaging, 2019, 50, 230-238.	1.9	7

#	Article	IF	CITATIONS
994	Review of diffusion MRI studies in chronic white matter diseases. Neuroscience Letters, 2019, 694, 198-207.	1.0	43
995	Performance of Diffusion Kurtosis Imaging Versus Diffusion Tensor Imaging in Discriminating Between Benign Tissue, Low and High Gleason Grade Prostate Cancer. Academic Radiology, 2019, 26, 1328-1337.	1.3	12
996	Diffusion Magnetic Resonance Imaging. , 2019, , 505-518.		2
997	Diffusion kurtosis imaging of endometrial carcinoma: Correlation with histopathological findings. Magnetic Resonance Imaging, 2019, 57, 337-346.	1.0	24
998	Comparative analysis of the diffusion kurtosis imaging and diffusion tensor imaging in grading gliomas, predicting tumour cell proliferation and IDH-1 gene mutation status. Journal of Neuro-Oncology, 2019, 141, 195-203.	1.4	50
999	Diffusion-weighted imaging in rectal cancer: current applications and future perspectives. British Journal of Radiology, 2019, 92, 20180655.	1.0	105
1000	Evaluation of nonâ€monoexponential diffusion models for hepatocellular carcinoma using b values up to 2000 s/mm ² : A shortâ€ŧerm repeatability study. Journal of Magnetic Resonance Imaging, 2019, 50, 297-304.	1.9	10
1001	Brain abnormalities in myalgic encephalomyelitis/chronic fatigue syndrome: Evaluation by diffusional kurtosis imaging and neurite orientation dispersion and density imaging. Journal of Magnetic Resonance Imaging, 2019, 49, 818-824.	1.9	16
1002	Future Perspectives in Multiparametric Prostate MR Imaging. Magnetic Resonance Imaging Clinics of North America, 2019, 27, 117-130.	0.6	6
1003	The derivation of homogenized diffusion kurtosis models for diffusion MRI. Journal of Magnetic Resonance, 2019, 298, 48-57.	1.2	2
1004	Comparison of basis functions and qâ€space sampling schemes for robust compressed sensing reconstruction accelerating diffusion spectrum imaging. NMR in Biomedicine, 2019, 32, e4055.	1.6	5
1005	White matter during concussion recovery: Comparing diffusion tensor imaging (DTI) and neurite orientation dispersion and density imaging (NODDI). Human Brain Mapping, 2019, 40, 1908-1918.	1.9	59
1006	Diffusion kurtosis imagingâ€derived histogram metrics for prediction of KRAS mutation in rectal adenocarcinoma: Preliminary findings. Journal of Magnetic Resonance Imaging, 2019, 50, 930-939.	1.9	22
1007	Improved characterization of cerebral infarction using combined tissue T2 and high b-value diffusion MRI in post-thrombectomy patients: a feasibility study. Acta Radiologica, 2019, 60, 1294-1300.	0.5	2
1008	Treatment Response Prediction of Nasopharyngeal Carcinoma Based on Histogram Analysis of Diffusional Kurtosis Imaging. American Journal of Neuroradiology, 2019, 40, 326-333.	1.2	11
1009	Abbreviated MRI Protocols in Breast Cancer Diagnostics. Journal of Magnetic Resonance Imaging, 2019, 49, 647-658.	1.9	21
1010	Preliminary evaluation of accelerated microscopic diffusional kurtosis imaging (μDKI) in a rodent model of epilepsy. Magnetic Resonance Imaging, 2019, 56, 90-95.	1.0	5
1011	Diffusion kurtosis imaging in the assessment of liver function: Its potential as an effective predictor of liver function. British Journal of Radiology, 2019, 92, 20170608.	1.0	6

#	Article	IF	CITATIONS
1012	Diffusion Magnetic Resonance Imaging Unveils the Spatiotemporal Microstructural Gray Matter Changes following Injury in the Rodent Brain. Journal of Neurotrauma, 2019, 36, 1306-1317.	1.7	15
1013	Quantifying brain microstructure with diffusion MRI: Theory and parameter estimation. NMR in Biomedicine, 2019, 32, e3998.	1.6	335
1015	Brain microstructural alterations in type 2 diabetes: diffusion kurtosis imaging provides added value to diffusion tensor imaging. European Radiology, 2019, 29, 1997-2008.	2.3	25
1016	Ultrahigh field imaging of myelin disease models: Toward specific markers of myelin integrity?. Journal of Comparative Neurology, 2019, 527, 2179-2189.	0.9	13
1017	High-resolution imaging of distinct human corpus callosum microstructure and topography of structural connectivity to cortices at high field. Brain Structure and Function, 2019, 224, 949-960.	1.2	11
1018	Noninvasive Quantification of Axonal Loss in the Presence of Tissue Swelling in Traumatic Spinal Cord Injury Mice. Journal of Neurotrauma, 2019, 36, 2308-2315.	1.7	19
1019	Diffusion MRI detects longitudinal white matter changes in the 3xTg-AD mouse model of Alzheimer's disease. Magnetic Resonance Imaging, 2019, 57, 235-242.	1.0	14
1020	Correlations between cervical spinal cord magnetic resonance diffusion tensor and diffusion kurtosis imaging metrics and motor performance in patients with chronic ischemic brain lesions of the corticospinal tract. Neuroradiology, 2019, 61, 175-182.	1.1	10
1021	Genomic kinship construction to enhance genetic analyses in the human connectome project data. Human Brain Mapping, 2019, 40, 1677-1688.	1.9	14
1022	Capturing complexity of the diffusion-weighted MR signal decay. Magnetic Resonance Imaging, 2019, 56, 110-118.	1.0	12
1023	Diffusion MRI of cancer: From low to high bâ€values. Journal of Magnetic Resonance Imaging, 2019, 49, 23-40.	1.9	129
1024	Evaluation of Effects of TGFâ€Î²1 Inhibition on Gastric Cancer in Nude Mice by Diffusion Kurtosis Imaging and Inâ€Line Xâ€ray Phase Contrast Imaging With Sequential Histology. Journal of Magnetic Resonance Imaging, 2019, 49, 1553-1564.	1.9	3
1025	Is hyperhomocysteinemia associated with the structural changes of the substantia nigra in Parkinson's disease? A two-year follow-up study. Parkinsonism and Related Disorders, 2019, 60, 46-50.	1.1	5
1026	Differentiating between malignant and benign solid solitary pulmonary lesions: are intravoxel incoherent motion and diffusion kurtosis imaging superior to conventional diffusion-weighted imaging?. European Radiology, 2019, 29, 1607-1615.	2.3	39
1027	White matter structural differences in OSA patients experiencing residual daytime sleepiness with high CPAP use: a non-Gaussian diffusion MRI study. Sleep Medicine, 2019, 53, 51-59.	0.8	30
1028	Bias in MRI Measurements of Apparent Diffusion Coefficient and Kurtosis: Implications for Choice of Maximum Diffusion Encoding. Applied Magnetic Resonance, 2019, 50, 47-61.	0.6	3
1029	A review of diffusion MRI of typical white matter development from early childhood to young adulthood. NMR in Biomedicine, 2019, 32, e3778.	1.6	250
1030	Imaging brain microstructure with diffusion MRI: practicality and applications. NMR in Biomedicine, 2019, 32, e3841.	1.6	266

#	Article	IF	CITATIONS
1031	From micro―to macroâ€structures in multiple sclerosis: what is the added value of diffusion imaging. NMR in Biomedicine, 2019, 32, e3888.	1.6	31
1032	Characterizing Microstructural Tissue Properties in Multiple Sclerosis with Diffusion MRI at 7†T and 3†T: The Impact of the Experimental Design. Neuroscience, 2019, 403, 17-26.	1.1	54
1033	Delineation of early brain development from fetuses to infants with diffusion MRI and beyond. NeuroImage, 2019, 185, 836-850.	2.1	170
1034	What can we see with IVIM MRI?. NeuroImage, 2019, 187, 56-67.	2.1	256
1035	Comparison of q-Space Reconstruction Methods for Undersampled Diffusion Spectrum Imaging Data. Magnetic Resonance in Medical Sciences, 2020, 19, 108-118.	1.1	2
1036	Abnormal cerebral microstructures revealed by diffusion kurtosis imaging in amyotrophic lateral sclerosis. Journal of Magnetic Resonance Imaging, 2020, 51, 554-562.	1.9	17
1037	Histological Grade of Meningioma: Prediction by Intravoxel Incoherent Motion Histogram Parameters. Academic Radiology, 2020, 27, 342-353.	1.3	23
1038	Contrast-to-noise ratio analysis of microscopic diffusion anisotropy indices in q-space trajectory imaging. Zeitschrift Fur Medizinische Physik, 2020, 30, 4-16.	0.6	12
1039	Imaging of Hypoxic Tumor: Correlation between Diffusion-weighted MR Imaging and ¹⁸ F-fluoroazomycin Arabinoside Positron Emission Tomography in Head and Neck Carcinoma. Magnetic Resonance in Medical Sciences, 2020, 19, 276-281.	1.1	6
1040	Effect of intravoxel incoherent motion on diffusion parameters in normal brain. NeuroImage, 2020, 204, 116228.	2.1	14
1041	Adaptive phase correction of diffusion-weighted images. NeuroImage, 2020, 206, 116274.	2.1	14
1042	Diffusion MRI of the breast: Current status and future directions. Journal of Magnetic Resonance Imaging, 2020, 52, 70-90.	1.9	113
1043	Cardiac Diffusion: Technique and Practical Applications. Journal of Magnetic Resonance Imaging, 2020, 52, 348-368.	1.9	27
1044	Tensorâ€valued diffusion MRI in under 3 minutes: an initial survey of microscopic anisotropy and tissue heterogeneity in intracranial tumors. Magnetic Resonance in Medicine, 2020, 83, 608-620.	1.9	55
1045	Validation and noise robustness assessment of microscopic anisotropy estimation with clinically feasible double diffusion encoding MRI. Magnetic Resonance in Medicine, 2020, 83, 1698-1710.	1.9	12
1046	Joint RElaxation-Diffusion Imaging Moments to Probe Neurite Microstructure. IEEE Transactions on Medical Imaging, 2020, 39, 668-677.	5.4	29
1047	Diffusion Kurtosis Imaging as a Tool in Neurotoxicology. Neurotoxicity Research, 2020, 37, 41-47.	1.3	3
1048	Associations Between Diffusion Dynamics and Functional Outcome in Acute and Early Subacute Ischemic Stroke. Clinical Neuroradiology, 2020, 30, 517-524.	1.0	5

#	Article	IF	CITATIONS
1049	Histogram analysis of diffusion kurtosis imaging based on wholeâ€volume images of breast lesions. Journal of Magnetic Resonance Imaging, 2020, 51, 627-634.	1.9	25
1050	Wholeâ€tumor histogram analysis of monoexponential and advanced diffusionâ€weighted imaging for sinonasal malignant tumors: Correlations with histopathologic features. Journal of Magnetic Resonance Imaging, 2020, 51, 273-285.	1.9	16
1051	Diffusion Kurtosis Imaging in the Assessment of Cervical Carcinoma. Academic Radiology, 2020, 27, e94-e101.	1.3	11
1052	The adverse effect of gradient nonlinearities on diffusion MRI: From voxels to group studies. Neurolmage, 2020, 205, 116127.	2.1	32
1053	Repeatability of radiomics and machine learning for DWI: Shortâ€ŧerm repeatability study of 112 patients with prostate cancer. Magnetic Resonance in Medicine, 2020, 83, 2293-2309.	1.9	23
1055	Evaluation of white matter microstructure in patients with Parkinson's disease using microscopic fractional anisotropy. Neuroradiology, 2020, 62, 197-203.	1.1	7
1056	Diffusional kurtosis imaging of kidneys in patients with hyperuricemia: initial study. Acta Radiologica, 2020, 61, 839-847.	0.5	6
1057	Denoising of diffusion MRI improves peripheral nerve conspicuity and reproducibility. Journal of Magnetic Resonance Imaging, 2020, 51, 1128-1137.	1.9	9
1058	Histogram Analysis Comparison of Monoexponential, Advanced Diffusionâ€Weighted Imaging, and Dynamic Contrastâ€Enhanced MRI for Differentiating Borderline From Malignant Epithelial Ovarian Tumors. Journal of Magnetic Resonance Imaging, 2020, 52, 257-268.	1.9	21
1059	Removing <scp>r</scp> ician bias in diffusional kurtosis of the prostate using realâ€data reconstruction. Magnetic Resonance in Medicine, 2020, 83, 2243-2252.	1.9	5
1060	Diffusion kurtosis imaging differs between primary central nervous system lymphoma and high-grade glioma and is correlated with the diverse nuclear-to-cytoplasmic ratio: a histopathologic, biopsy-based study. European Radiology, 2020, 30, 2125-2137.	2.3	12
1061	Diffusion-weighted MRI for initial staging in Hodgkin`s lymphoma: comparison with FDG PET. European Journal of Radiology, 2020, 123, 108775.	1.2	3
1062	Reduced Microstructural Lateralization in Males with Chronic Schizophrenia: A Diffusional Kurtosis Imaging Study. Cerebral Cortex, 2020, 30, 2281-2294.	1.6	5
1063	Diffusion-weighted imaging of cervical cancer: Feasibility of ultra-high b-value at 3T. European Journal of Radiology, 2020, 124, 108779.	1.2	11
1064	Enforcing necessary non-negativity constraints for common diffusion MRI models using sum of squares programming. Neurolmage, 2020, 209, 116405.	2.1	13
1065	Whole-tumor radiomics analysis of DKI and DTI may improve the prediction of genotypes for astrocytomas: A preliminary study. European Journal of Radiology, 2020, 124, 108785.	1.2	7
1066	Characterization of breast lesions using diffusion kurtosis model-based imaging: An initial experience. Journal of X-Ray Science and Technology, 2020, 28, 157-169.	0.7	10
1067	Higherâ€order diffusion MRI characterization of mesorectal lymph nodes in rectal cancer. Magnetic Resonance in Medicine, 2020, 84, 348-364.	1.9	8

#	Article	IF	CITATIONS
1068	Diffusion Kurtosis Imaging maps neural damage in the EAE model of multiple sclerosis. NeuroImage, 2020, 208, 116406.	2.1	19
1069	MR Biomarkers of Degenerative Brain Disorders Derived From Diffusion Imaging. Journal of Magnetic Resonance Imaging, 2020, 52, 1620-1636.	1.9	75
1070	Differential White Matter Maturation from Birth to 8ÂYears of Age. Cerebral Cortex, 2020, 30, 2674-2690.	1.6	37
1071	Diffusion Metrics for Staging Pancreatic Fibrosis and Correlating With Epithelialâ€Mesenchymal Transition Markers in a Chronic Pancreatitis Rat Model at 11.7T MRI. Journal of Magnetic Resonance Imaging, 2020, 52, 197-206.	1.9	8
1072	Breast cancer recurrence risk prediction using whole-lesion histogram analysis with diffusion kurtosis imaging. Clinical Radiology, 2020, 75, 239.e1-239.e8.	0.5	12
1073	Texture Analysis with 3.0-T MRI for Association of Response to Neoadjuvant Chemotherapy in Breast Cancer. Radiology, 2020, 294, 31-41.	3.6	75
1074	Diffusion Kurtosis Imaging and Intravoxel Incoherent Motion in Differentiating Nasal Malignancies. Laryngoscope, 2020, 130, E727-E735.	1.1	4
1075	Triple diffusion encoding MRI predicts intraâ€axonal and extraâ€axonal diffusion tensors in white matter. Magnetic Resonance in Medicine, 2020, 83, 2209-2220.	1.9	13
1076	Quantitative Evaluation of Intravoxel Incoherent Motion and Diffusion Kurtosis Imaging in Assessment of Pathological Grade of Clear Cell Renal Cell Carcinoma. Academic Radiology, 2020, 27, e176-e182.	1.3	5
1077	Comparative Study of Monoexponential, Intravoxel Incoherent Motion, Kurtosis, and IVIM-Kurtosis Models for the Diagnosis and Aggressiveness Assessment of Prostate Cancer. Frontiers in Oncology, 2020, 10, 1763.	1.3	13
1078	Diffusional Kurtosis Imaging of White Matter Degeneration in Glaucoma. Journal of Clinical Medicine, 2020, 9, 3122.	1.0	18
1079	Evaluation of the diffusion MRI white matter tract integrity model using myelin histology and Monte-Carlo simulations. NeuroImage, 2020, 223, 117313.	2.1	14
1080	Alternative Microstructural Measures to Complement Diffusion Tensor Imaging in Migraine Studies with Standard MRI Acquisition. Brain Sciences, 2020, 10, 711.	1.1	12
1081	Characterization of multiple sclerosis lesions with distinct clinical correlates through quantitative diffusion MRI. NeuroImage: Clinical, 2020, 28, 102411.	1.4	11
1082	Radiomics in diffusion data: a test–retest, inter-Âand intra-reader DWI phantom study. Clinical Radiology, 2020, 75, 798.e13-798.e22.	0.5	16
1083	Comparison of diagnostic performance between diffusion kurtosis imaging parameters and mono-exponential ADC for determination of clinically significant cancer in patients with prostate cancer. Abdominal Radiology, 2020, 45, 4235-4243.	1.0	9
1084	The localization regime in a nutshell. Journal of Magnetic Resonance, 2020, 320, 106836.	1.2	10
1085	A deep learning–based method for improving reliability of multicenter diffusion kurtosis imaging with varied acquisition protocols. Magnetic Resonance Imaging, 2020, 73, 31-44	1.0	12

#	Article	IF	CITATIONS
1086	Diffusion Tensor Imaging in Parkinson's Disease and Parkinsonian Syndrome: A Systematic Review. Frontiers in Neurology, 2020, 11, 531993.	1.1	43
1087	Identification and Classification of Alzheimer's Disease Patients Using Novel Fractional Motion Model. Frontiers in Neuroscience, 2020, 14, 767.	1.4	1
1088	Diffusion Kurtosis Imaging as a Prognostic Marker in Osteosarcoma Patients with Preoperative Chemotherapy. BioMed Research International, 2020, 2020, 1-11.	0.9	1
1089	Use of multi-flip angle measurements to account for transmit inhomogeneity and non-Gaussian diffusion in DW-SSFP. NeuroImage, 2020, 220, 117113.	2.1	7
1090	Brain Age Prediction Reveals Aberrant Brain White Matter in Schizophrenia and Bipolar Disorder: A Multisample Diffusion Tensor Imaging Study. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2020, 5, 1095-1103.	1.1	28
1091	What's That (Blue) Spot on my MRI? Multimodal Neuroimaging of the Locus Coeruleus in Neurodegenerative Disease. Frontiers in Neuroscience, 2020, 14, 583421.	1.4	37
1092	Advanced non-invasive MRI of neuroplasticity in ischemic stroke: Techniques and applications. Life Sciences, 2020, 261, 118365.	2.0	8
1093	Estimation error bound for GRAPPA diffusion-weighted MRI. Magnetic Resonance Imaging, 2020, 74, 181-194.	1.0	1
1094	Challenges for biophysical modeling of microstructure. Journal of Neuroscience Methods, 2020, 344, 108861.	1.3	85
1095	Cross-scanner and cross-protocol multi-shell diffusion MRI data harmonization: Algorithms and results. NeuroImage, 2020, 221, 117128.	2.1	54
1096	<p>Magnetic Resonance Diffusion Kurtosis Imaging versus Diffusion-Weighted Imaging in Evaluating the Pathological Grade of Hepatocellular Carcinoma</p> . Cancer Management and Research, 2020, Volume 12, 5147-5158.	0.9	13
1097	Prediction of prostate cancer aggressiveness using 18F-Fluciclovine (FACBC) PET and multisequence multiparametric MRI. Scientific Reports, 2020, 10, 9407.	1.6	3
1098	The Diagnostic Performance of Diffusion Kurtosis Imaging in the Characterization of Breast Tumors: A Meta-Analysis. Frontiers in Oncology, 2020, 10, 575272.	1.3	13
1099	Imaging of the Spinal Cord in Multiple Sclerosis: Past, Present, Future. Brain Sciences, 2020, 10, 857.	1.1	10
1100	Diffusional kurtosis imaging in evaluation of microstructural changes of spinal cord in cervical spondylotic myelopathy feasibility study. Medicine (United States), 2020, 99, e23300.	0.4	3
1101	Multi-shell Diffusion MRI Models for White Matter Characterization in Cerebral Small Vessel Disease. Neurology, 2021, 96, e698-e708.	1.5	33
1102	Finite difference/finite element method for two-dimensional time–space fractional Bloch–Torrey equations with variable coefficients on irregular convex domains. Computers and Mathematics With Applications, 2020, 80, 3173-3192.	1.4	13
1103	Brain White-Matter Degeneration Due to Aging and Parkinson Disease as Revealed by Double Diffusion Encoding. Frontiers in Neuroscience, 2020, 14, 584510.	1.4	18

#	Article	IF	CITATIONS
1104	T2-Pseudonormalization and Microstructural Characterization in Advanced Stages of Late-infantile Metachromatic Leukodystrophy. Clinical Neuroradiology, 2021, 31, 969-980.	1.0	10
1105	Spherical deconvolution with tissue-specific response functions and multi-shell diffusion MRI to estimate multiple fiber orientation distributions (mFODs). NeuroImage, 2020, 222, 117206.	2.1	16
1106	An informationâ€based comparison of diffusion attenuation models in normal and inflamed bone marrow. NMR in Biomedicine, 2020, 33, e4390.	1.6	3
1107	Direct and specific assessment of axonal injury and spinal cord microenvironments using diffusion correlation imaging. NeuroImage, 2020, 221, 117195.	2.1	16
1108	Diffusion kurtosis imaging for characterizing tumor heterogeneity in an intracranial rat glioblastoma model. NMR in Biomedicine, 2020, 33, e4386.	1.6	3
1109	Altered structural and functional connectivity in CSF1R-related leukoencephalopathy. Brain Imaging and Behavior, 2020, 15, 1655-1666.	1.1	11
1110	Comparison of diffusion-weighted imaging mono-exponential mode with diffusion kurtosis imaging for predicting pathological grades of clear cell renal cell carcinoma. European Journal of Radiology, 2020, 130, 109195.	1.2	10
1111	NODDI in clinical research. Journal of Neuroscience Methods, 2020, 346, 108908.	1.3	120
1112	The impact of realistic axonal shape on axon diameter estimation using diffusion MRI. NeuroImage, 2020, 223, 117228.	2.1	40
1113	Influence of residual fat signal on diffusion kurtosis MRI of suspicious mammography findings. Scientific Reports, 2020, 10, 13286.	1.6	5
1114	Untangling the diffusion signal using the phasor transform. NMR in Biomedicine, 2020, 33, e4372.	1.6	6
1115	The diagnostic value of quantitative analysis of ASL, DSC-MRI and DKI in the grading of cerebral gliomas: a meta-analysis. Radiation Oncology, 2020, 15, 204.	1.2	10
1116	A dataâ€driven approach to optimising the encoding for multiâ€shell diffusion MRI with application to neonatal imaging. NMR in Biomedicine, 2020, 33, e4348.	1.6	18
1117	Diffusion kurtosis imaging of gray matter in young adults with autism spectrum disorder. Scientific Reports, 2020, 10, 21465.	1.6	8
1118	Anisotropy of Anomalous Diffusion Improves the Accuracy of Differentiating and Grading Alzheimer's Disease Using Novel Fractional Motion Model. Frontiers in Aging Neuroscience, 2020, 12, 602510.	1.7	2
1119	High-Resolution 3D in vivo Brain Diffusion Tensor Imaging at Ultrahigh Fields: Following Maturation on Juvenile and Adult Mice. Frontiers in Neuroscience, 2020, 14, 590900.	1.4	8
1120	PI-RADS 2.1 – Image Interpretation: The Most Important Updates andÂTheir Clinical Implications. RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren, 2020, 193, 787-796.	0.7	5
1121	<p>Amide Proton Transfer Imaging vs Diffusion Kurtosis Imaging for Predicting Histological Grade of Hepatocellular Carcinoma</p> . Journal of Hepatocellular Carcinoma, 2020, Volume 7, 159-168.	1.8	7

#	Article	IF	CITATIONS
1122	Diffusion kurtosis imaging in the prediction of poor responses of locally advanced gastric cancer to neoadjuvant chemotherapy. European Journal of Radiology, 2020, 128, 108974.	1.2	14
1123	Application of the amide proton transfer-weighted imaging and diffusion kurtosis imaging in the study of cervical cancer. European Radiology, 2020, 30, 5758-5767.	2.3	27
1124	The diagnostic role of diffusional kurtosis imaging in glioma grading and differentiation of gliomas from other intra-axial brain tumours: a systematic review with critical appraisal and meta-analysis. Neuroradiology, 2020, 62, 791-802.	1.1	23
1125	Diffusion kurtosis imaging in liver: a preliminary reproducibility study in healthy volunteers. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2020, 33, 877-883.	1.1	2
1126	Quantitative analysis of intervertebral disc degeneration using Qâ€space imaging in a rat model. Journal of Orthopaedic Research, 2020, 38, 2220-2229.	1.2	7
1127	Assessing White Matter Pathology in Early-Stage Parkinson Disease Using Diffusion MRI: A Systematic Review. Frontiers in Neurology, 2020, 11, 314.	1.1	25
1128	Axonal damage in the optic radiation assessed by white matter tract integrity metrics is associated with retinal thinning in multiple sclerosis. NeuroImage: Clinical, 2020, 27, 102293.	1.4	14
1129	Evaluation of microstructural changes in spinal cord of patients with degenerative cervical myelopathy by diffusion kurtosis imaging and investigate the correlation with JOA score. BMC Neurology, 2020, 20, 185.	0.8	9
1130	Generalization of diffusion magnetic resonance imaging–based brain age prediction model through transfer learning. Neurolmage, 2020, 217, 116831.	2.1	39
1131	The haemodynamics of the human placenta in utero. PLoS Biology, 2020, 18, e3000676.	2.6	37
1132	Noise-Corrected, Exponentially Weighted, Diffusion-Weighted MRI (niceDWI) Improves Image Signal Uniformity in Whole-Body Imaging of Metastatic Prostate Cancer. Frontiers in Oncology, 2020, 10, 704.	1.3	10
1133	New boundaries of liver imaging: from morphology to function. European Journal of Internal Medicine, 2020, 79, 12-22.	1.0	2
1134	In vivo observation and biophysical interpretation of time-dependent diffusion in human cortical gray matter. Neurolmage, 2020, 222, 117054.	2.1	48
1135	Multi-parametric quantitative in vivo spinal cord MRI with unified signal readout and image denoising. NeuroImage, 2020, 217, 116884.	2.1	34
1136	Ultra-High- <i>b</i> -Value Kurtosis Imaging for Noninvasive Tissue Characterization of Ovarian Lesions. Radiology, 2020, 296, 358-369.	3.6	10
1137	Visualization of live, mammalian neurons during Kainate-infusion using magnetic resonance microscopy. NeuroImage, 2020, 219, 116997.	2.1	6
1138	The role of diffusion tractography in refining glial tumor resection. Brain Structure and Function, 2020, 225, 1413-1436.	1.2	30
1139	Denoising of multi b-value diffusion-weighted MR images using deep image prior. Physics in Medicine and Biology, 2020, 65, 105003.	1.6	18

#	Article	IF	CITATIONS
1140	Micro-structure diffusion scalar measures from reduced MRI acquisitions. PLoS ONE, 2020, 15, e0229526.	1.1	12
1141	Quantitative assessment of diffusion kurtosis imaging depicting deep myometrial invasion: a comparative analysis with diffusion-weighted imaging. Diagnostic and Interventional Radiology, 2020, 26, 74-81.	0.7	6
1142	Utility of a diffusion kurtosis model in the differential diagnosis of orofacial tumours. Clinical Radiology, 2020, 75, 507-519.	0.5	3
1143	Multiscale Imaging Approach for Studying the Central Nervous System: Methodology and Perspective. Frontiers in Neuroscience, 2020, 14, 72.	1.4	7
1144	Diffusion Kurtosis Imaging for Assessing the Therapeutic Response of Transcatheter Arterial Chemoembolization in Hepatocellular Carcinoma. Journal of Cancer, 2020, 11, 2339-2347.	1.2	10
1145	Towards unconstrained compartment modeling in white matter using diffusionâ€relaxation MRI with tensorâ€valued diffusion encoding. Magnetic Resonance in Medicine, 2020, 84, 1605-1623.	1.9	67
1146	Evidence for wakefulness-related changes to extracellular space in human brain white matter from diffusion-weighted MRI. NeuroImage, 2020, 212, 116682.	2.1	27
1147	Noninvasive Differentiation of Obstructive Azoospermia and Nonobstructive Azoospermia Using Multimodel Diffusion Weighted Imaging. Academic Radiology, 2021, 28, 1375-1382.	1.3	2
1148	Generalized Richardson-Lucy (GRL) for analyzing multi-shell diffusion MRI data. NeuroImage, 2020, 218, 116948.	2.1	16
1149	Diffusion-weighted MRI in neurodegenerative and psychiatric animal models: Experimental strategies and main outcomes. Journal of Neuroscience Methods, 2020, 343, 108814.	1.3	3
1150	Diffusion Kurtosis Imaging—A Superior Approach to Assess Tumor–Stroma Ratio in Pancreatic Ductal Adenocarcinoma. Cancers, 2020, 12, 1656.	1.7	13
1151	Diffusion MRI detects early brain microstructure abnormalities in 2â€monthâ€old 3×Tgâ€AD mice. NMR in Biomedicine, 2020, 33, e4346.	1.6	11
1152	Denoise magnitude diffusion magnetic resonance images via variance-stabilizing transformation and optimal singular-value manipulation. NeuroImage, 2020, 215, 116852.	2.1	28
1153	Multimode tumor ablation therapy induced different diffusion and microvasculature related parameters change on functional magnetic resonance imaging compared to radiofrequency ablation in liver tumor. Medicine (United States), 2020, 99, e20795.	0.4	1
1154	Breast Cancer Conspicuity on Computed Versus Acquired High b-Value Diffusion-Weighted MRI. Academic Radiology, 2021, 28, 1108-1117.	1.3	21
1155	Comparison of intravoxel incoherent motion imaging, diffusion kurtosis imaging, and conventional DWI in predicting the chemotherapeutic response of colorectal liver metastases. European Journal of Radiology, 2020, 130, 109149.	1.2	12
1156	Advanced MR Techniques for Imaging the Abdomen and Pelvis. Magnetic Resonance Imaging Clinics of North America, 2020, 28, xv-xvi.	0.6	0
1157	Diffusion MR Imaging in the Head and Neck. Neuroimaging Clinics of North America, 2020, 30, 261-282.	0.5	19

#	Article	IF	CITATIONS
1158	White matter alterations in patients with obstructive sleep apnea: a systematic review of diffusion MRI studies. Sleep Medicine, 2020, 75, 236-245.	0.8	10
1159	New Advances in Magnetic Resonance Techniques in Abdomen and Pelvis. Magnetic Resonance Imaging Clinics of North America, 2020, 28, 433-445.	0.6	2
1160	Early childhood development of white matter fiber density and morphology. NeuroImage, 2020, 210, 116552.	2.1	52
1161	Quasi-diffusion magnetic resonance imaging (QDI): A fast, high b-value diffusion imaging technique. NeuroImage, 2020, 211, 116606.	2.1	10
1162	Quantitative imaging for radiotherapy purposes. Radiotherapy and Oncology, 2020, 146, 66-75.	0.3	71
1163	Diffusionâ€time dependence of diffusional kurtosis in the mouse brain. Magnetic Resonance in Medicine, 2020, 84, 1564-1578.	1.9	22
1164	Use of monoexponential diffusion-weighted imaging and diffusion kurtosis imaging and dynamic contrast-enhanced-MRI for the differentiation of spinal tumors. European Spine Journal, 2020, 29, 1112-1120.	1.0	5
1165	Role of Diffusional Kurtosis Imaging in Differentiating Neuromyelitis Optica–Related and Multiple Sclerosis–Related Acute Optic Neuritis: Comparison With Diffusion-Weighted Imaging. Journal of Computer Assisted Tomography, 2020, 44, 47-52.	0.5	6
1166	Changes in the Corticospinal Tract Beyond the Ischemic Lesion Following Acute Hemispheric Stroke: A Diffusion Kurtosis Imaging Study. Journal of Magnetic Resonance Imaging, 2020, 52, 512-519.	1.9	9
1167	Evaluation of non-Gaussian model-based diffusion-weighted imaging in oral squamous cell carcinoma: comparison with tumour functional information derived from positron-emission tomography. Clinical Radiology, 2020, 75, 397.e15-397.e21.	0.5	3
1168	Modeling the diffusionâ€weighted imaging signal for breast lesions in the b = 200 to 3000Âs/mm 2 range: quality of fit and classification accuracy for different representations. Magnetic Resonance in Medicine, 2020, 84, 1011-1023.	1.9	16
1169	Histogram analysis in prostate cancer: a comparison of diffusion kurtosis imaging model versus monoexponential model. Acta Radiologica, 2020, 61, 1431-1440.	0.5	6
1171	Connections, Tracts, Fractals, and the Rest: A Working Guide to Network and Connectivity Studies in Neurosurgery. World Neurosurgery, 2020, 140, 389-400.	0.7	6
1172	Nonâ€Gaussian Diffusion Models and T 1 rho Quantification in the Assessment of Hepatic Sinusoidal Obstruction Syndrome in Rats. Journal of Magnetic Resonance Imaging, 2020, 52, 1110-1121.	1.9	2
1173	Scanner invariant representations for diffusion MRI harmonization. Magnetic Resonance in Medicine, 2020, 84, 2174-2189.	1.9	78
1174	Radiomics for liver tumours. Strahlentherapie Und Onkologie, 2020, 196, 888-899.	1.0	20
1175	Diffusion kurtosis imaging in head and neck cancer: A correlation study with dynamic contrast enhanced MRI. Physica Medica, 2020, 73, 22-28.	0.4	9
1176	Serial Diffusion Kurtosis Magnetic Resonance Imaging Study during Acute, Subacute, and Recovery Periods after Sport-Related Concussion. Journal of Neurotrauma, 2020, 37, 2081-2092.	1.7	12

#	Article	IF	CITATIONS
1177	A metaâ€analysis of tractâ€based spatial statistics studies examining white matter integrity in cocaine use disorder. Addiction Biology, 2021, 26, e12902.	1.4	20
1178	Comparison of models of diffusion in Wilms' tumours and normal contralateral renal tissue. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2021, 34, 261-271.	1.1	2
1179	Perfusion-driven Intravoxel Incoherent Motion (IVIM) MRI in Oncology: Applications, Challenges, and Future Trends. Magnetic Resonance in Medical Sciences, 2021, 20, 125-138.	1.1	34
1180	Denoising and Multiple Tissue Compartment Visualization of Multiâ€bâ€Valued Breast Diffusion MRI. Journal of Magnetic Resonance Imaging, 2021, 53, 271-282.	1.9	6
1181	In vivo diffusionâ€weighted MRS using semiâ€LASER in the human brain at 3ÂT: Methodological aspects and clinical feasibility. NMR in Biomedicine, 2021, 34, e4206.	1.6	14
1182	Double diffusion encoding and applications for biomedical imaging. Journal of Neuroscience Methods, 2021, 348, 108989.	1.3	27
1183	Accelerating acquisition of readout-segmented echo planar imaging with a simultaneous multi-slice (SMS) technique for diagnosing breast lesions. European Radiology, 2021, 31, 2667-2676.	2.3	14
1184	Discrimination of Breast Cancer from Healthy Breast Tissue Using a Three-component Diffusion-weighted MRI Model. Clinical Cancer Research, 2021, 27, 1094-1104.	3.2	15
1185	Synchronous nonmonotonic changes in functional connectivity and white matter integrity in a rat model of sporadic Alzheimer's disease. NeuroImage, 2021, 225, 117498.	2.1	14
1186	Probing in vivo cortical myeloarchitecture in humans via lineâ€scan diffusion acquisitions at 7 T with 250â€500 micron radial resolution. Magnetic Resonance in Medicine, 2021, 85, 390-403.	1.9	18
1187	Cytosolic diffusivity and microscopic anisotropy of <i>N</i> â€acetyl aspartate in human white matter with diffusionâ€weighted MRS at 7 T. NMR in Biomedicine, 2021, 34, e4304.	1.6	9
1188	The impact of edema and fiber crossing on diffusion MRI metrics assessed in an ex vivo nerve phantom: Multiâ€ŧensor model vs. diffusion orientation distribution function. NMR in Biomedicine, 2021, 34, e4414.	1.6	10
1189	Noninvasive evaluation of early diabetic nephropathy using diffusion kurtosis imaging: an experimental study. European Radiology, 2021, 31, 2281-2288.	2.3	13
1190	The sensitivity of diffusion MRI to microstructural properties and experimental factors. Journal of Neuroscience Methods, 2021, 347, 108951.	1.3	53
1191	Association of Head Impact Exposure with White Matter Macrostructure and Microstructure Metrics. Journal of Neurotrauma, 2021, 38, 474-484.	1.7	6
1192	A novel identification system combining diffusion kurtosis imaging with conventional magnetic resonance imaging to assess intestinal strictures in patients with Crohn's disease. Abdominal Radiology, 2021, 46, 936-947.	1.0	10
1193	White matter microstructure across the adult lifespan: A mixed longitudinal and cross-sectional study using advanced diffusion models and brain-age prediction. NeuroImage, 2021, 224, 117441.	2.1	122
1194	Neuroanatomical underpinning of diffusion kurtosis measurements in the cerebral cortex of healthy macaque brains. Magnetic Resonance in Medicine, 2021, 85, 1895-1908.	1.9	11

#	Article	IF	Citations
1195	Deep learningâ€based method for reducing residual motion effects in diffusion parameter estimation. Magnetic Resonance in Medicine, 2021, 85, 2278-2293.	1.9	7
1196	Microstructure with diffusion MRI: what scale we are sensitive to?. Journal of Neuroscience Methods, 2021, 347, 108910.	1.3	15
1197	Editorial for "Evaluating High Spatial Resolution Diffusion Kurtosis Imaging at <scp>3T</scp> : Reproducibility and Quality of Fit― Journal of Magnetic Resonance Imaging, 2021, 53, 1188-1189.	1.9	0
1198	Sleep and sleep deprivation differentially alter white matter microstructure: A mixed model design utilising advanced diffusion modelling. NeuroImage, 2021, 226, 117540.	2.1	26
1199	Freeâ€water DTI estimates from single bâ€value data might seem plausible but must be interpreted with care. Magnetic Resonance in Medicine, 2021, 85, 2537-2551.	1.9	30
1200	A Noninvasive Assessment of Tumor Proliferation in Lung cancer Patients using Intravoxel Incoherent Motion Magnetic Resonance Imaging. Journal of Cancer, 2021, 12, 190-197.	1.2	12
1201	Multimodal apparent diffusion (MAD) weighted magnetic resonance imaging. Magnetic Resonance Imaging, 2021, 77, 213-233.	1.0	1
1202	Toward Quantification. Investigative Radiology, 2021, 56, 1-9.	3.5	9
1203	Multiparametric MRI in the Diagnosis of Prostate Cancer: Physical Foundations, Limitations, and Prospective Advances ofÂDiffusion-Weighted MRI. RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren, 2021, 193, 399-409.	0.7	8
1204	A collaborative resource platform for non-human primate neuroimaging. NeuroImage, 2021, 226, 117519.	2.1	36
1205	A general role for ventral white matter pathways in morphological processing: Going beyond reading. NeuroImage, 2021, 226, 117577.	2.1	8
1206	Microstructural changes in the brain after longâ€ŧerm postâ€concussion symptoms: A randomized trial. Journal of Neuroscience Research, 2021, 99, 872-886.	1.3	3
1207	The present and the future of microstructure MRI: From a paradigm shift to normal science. Journal of Neuroscience Methods, 2021, 351, 108947.	1.3	22
1208	Evaluating High Spatial Resolution Diffusion Kurtosis Imaging at <scp>3T</scp> : Reproducibility and Quality of Fit. Journal of Magnetic Resonance Imaging, 2021, 53, 1175-1187.	1.9	10
1210	Diffusion kurtosis imaging in evaluating gliomas: different region of interest selection methods on time efficiency, measurement repeatability, and diagnostic ability. European Radiology, 2021, 31, 729-739.	2.3	9
1211	A comparative study of the value of amide proton transfer-weighted imaging and diffusion kurtosis imaging in the diagnosis and evaluation of breast cancer. European Radiology, 2021, 31, 1707-1717.	2.3	33
1212	dMRI: Diffusion Magnetic Resonance Imaging as a Window onto Structural Brain Networks and White Matter Microstructure. , 2021, , 105-134.		0
1213	Neuroimaging Advances in Diagnosis and Differentiation of HIV, Comorbidities, and Aging in the cART Era. Current Topics in Behavioral Neurosciences, 2021, 50, 105-143.	0.8	2

ARTICLE IF CITATIONS White Matter Pathology. Neuromethods, 2021, , 29-46. 0.2 1 1214 Probing tissue microstructure by diffusion skewness tensor imaging. Scientific Reports, 2021, 11, 135. 1.6 Q-space Conditioned Translation Networks for Directional Synthesis of Diffusion Weighted Images 1216 2 1.0 from Multi-modal Structural MRI. Lecture Notes in Computer Science, 2021, , 530-540. Recent Advances and Future Directions in Brain MR Imaging Studies in Schizophrenia: Toward Elucidating Brain Pathology and Developing Clinical Tools. Magnetic Resonance in Medical Sciences, 1.1 2022, 21, 539-552 Parkinson's disease: deep learning with a parameter-weighted structural connectome matrix for 1219 1.1 22 diagnosis and neural circuit disorder investigation. Neuroradiology, 2021, 63, 1451-1462. Magnetic resonance diffusion kurtosis imaging in differential diagnosis of benign and malignant 1221 1.2 renal tumors. Cancer Imaging, 2021, 21, 6. Fast Diffusion Kurtosis Mapping of Human Brain at 7 Tesla With Hybrid Principal Component Analyses. 1223 2.6 2 IEEE Access, 2021, 9, 107965-107975. A Joint Framework for Denoising and Estimating Diffusion Kurtosis Tensors Using Multiple Prior 1994 5.4 Information. IEEE Transactions on Medical Imaging, 2022, 41, 308-319. 1225 Brain tissue segmentation to detect schizophrenia in gray matter using MR images., 2021, , 21-32. 2 Non-local means based Rician noise filtering for diffusion tensor and kurtosis imaging in human brain 1.4 and spinal cord. BMC Medical Imaging, 2021, 21, 16. Advanced diffusion imaging of abdominal organs in different hydration states of the human body: 1227 1.4 5 stability of biomarkers. Heliyon, 2021, 7, e06072. Analysis of Renal Diffusion-Weighted Imaging (DWI) Using Apparent Diffusion Coefficient (ADC) and Intravoxel Incoherent Motion (IVIM) Models. Methods in Molecular Biology, 2021, 2216, 611-635. 1228 0.4 Whole-tumor texture model based on diffusion kurtosis imaging for assessing cervical cancer: a 1229 2.3 15 preliminary study. European Radiology, 2021, 31, 5576-5585. Recent Advances in Parameter Inference for Diffusion MRI Signal Models. Magnetic Resonance in 1230 1.1 Medical Sciences, 2022, 21, 132-147. Comparison of mono-exponential, bi-exponential, kurtosis, and fractional-order calculus models of 1231 diffusion-weighted imaging in characterizing prostate lesions in transition zone. Abdominal 1.0 7 Radiology, 2021, 46, 2740-2750. Measurement of cellularâ€interstitial water exchange time in tumors based on diffusionâ€timeâ€dependent diffusional kurtosis imaging. NMR in Biomedicine, 2021, 34, e4496. In vivo assessment of Lauren classification for gastric adenocarcinoma using diffusion MRI with a 1233 2.311 fractional order calculus model. European Radiology, 2021, 31, 5659-5668. Quantification of intravoxel incoherent motion with optimized bâ€values using deep neural network. 1234 Magnetic Resonance in Medicine, 2021, 86, 230-244.

#	Article	IF	CITATIONS
1235	Optimal Model Mapping for Intravoxel Incoherent Motion MRI. Frontiers in Human Neuroscience, 2021, 15, 617152.	1.0	5
1237	Heterogeneity of multiple sclerosis lesions in fast diffusional kurtosis imaging. PLoS ONE, 2021, 16, e0245844.	1.1	16
1238	The variability of MR axon radii estimates in the human white matter. Human Brain Mapping, 2021, 42, 2201-2213.	1.9	30
1239	MK-Curve improves sensitivity to identify white matter alterations in clinical high risk for psychosis. NeuroImage, 2021, 226, 117564.	2.1	7
1240	Cognitive impairment in mild traumatic brain injury: a diffusion kurtosis imaging and volumetric study. Acta Radiologica, 2022, 63, 504-512.	0.5	5
1242	Predicting the effects of radiotherapy based on diffusion kurtosis imaging in a xenograft mouse model of esophageal carcinoma. Experimental and Therapeutic Medicine, 2021, 21, 327.	0.8	3
1244	Microstructural and Cerebral Blood Flow Abnormalities in Subjective Cognitive Decline Plus: Diffusional Kurtosis Imaging and Three-Dimensional Arterial Spin Labeling Study. Frontiers in Aging Neuroscience, 2021, 13, 625843.	1.7	13
1245	The association between White matter microstructure alterations detected by Diffusional kurtosis imaging in Neural circuit and post-stroke depression. Neurological Research, 2021, 43, 535-542.	0.6	4
1246	Elucidating the complex organization of neural micro-domains in the locust Schistocerca gregaria using dMRI. Scientific Reports, 2021, 11, 3418.	1.6	1
1247	Realistic Microstructure Simulator (RMS): Monte Carlo simulations of diffusion in three-dimensional cell segmentations of microscopy images. Journal of Neuroscience Methods, 2021, 350, 109018.	1.3	19
1248	Quartile histogram assessment of glioma malignancy using high <i>b</i> â€value diffusion MRI with a continuousâ€ŧime randomâ€walk model. NMR in Biomedicine, 2021, 34, e4485.	1.6	15
1249	Diffusion kurtosis imaging assessment of the response to radiotherapy in a VX2 bone tumor model: an animal study. Acta Radiologica, 2022, 63, 182-191.	0.5	3
1250	A new framework for MR diffusion tensor distribution. Scientific Reports, 2021, 11, 2766.	1.6	14
1251	Fast qualitY conTrol meThod foR derIved diffUsion Metrics (YTTRIUM) in big data analysis: U.K. Biobank 18,608 example. Human Brain Mapping, 2021, 42, 3141-3155.	1.9	18
1252	A Bayesian approach to diffusional kurtosis imaging. Magnetic Resonance in Medicine, 2021, 86, 1110-1124.	1.9	2
1253	Correlations between Dual-Pathway White Matter Alterations and Language Impairment in Patients with Aphasia: A Systematic Review and Meta-analysis. Neuropsychology Review, 2021, 31, 402-418.	2.5	16
1257	Diffusion Kurtosis Imaging Fiber Tractography of Major White Matter Tracts in Neurosurgery. Brain Sciences, 2021, 11, 381.	1.1	2
1259	Time dependence in diffusion MRI predicts tissue outcome in ischemic stroke patients. Magnetic Resonance in Medicine, 2021, 86, 754-764.	1.9	14

ARTICLE IF CITATIONS The clinical relevance of gray matter atrophy and microstructural brain changes across the 1260 1.1 4 psychosis continuum. Schizophrenia Research, 2021, 229, 12-21. Prediction of muscle invasion of bladder cancer: A comparison between DKI and conventional DWI. 1.2 European Journal of Radiology, 2021, 136, 109522. Diffusion-Weighted Imaging in Mild Traumatic Brain Injury: A Systematic Review of the Literature. 1262 2.5 15 Neuropsychology Review, 2023, 33, 42-121. Multidimensional Diffusion Magnetic Resonance Imaging for Characterization of Tissue Microstructure in Breast Cancer Patients: A Prospective Pilot Study. Cancers, 2021, 13, 1606. Decomposition of high-frequency electrical conductivity into extracellular and intracellular compartments based on two-compartment model using low-to-high multi-b diffusion MRI. BioMedical 1264 1.3 4 Engineering OnLine, 2021, 20, 29. The value of intravoxel incoherent motion and diffusion kurtosis imaging in the assessment of tumor regression grade and T stages after neoadjuvant chemoradiotherapy in patients with locally advanced 1.2 rectal cancer. European Journal of Radiology, 2021, 136, 109504. Application of diffusion kurtosis tensor MR imaging in characterization of renal cell carcinomas 1267 1.2 10 with different pathological types and grades. Cancer Imaging, 2021, 21, 30. Apparent exchange rate imaging: On its applicability and the connection to the real exchange rate. 1268 1.9 Magnetic Resonance in Medicine, 2021, 86, 677-692. Possible Neuroprotective Effects of I-Carnitine on White-Matter Microstructural Damage and 1269 1.7 4 Cognitive Decline in Hemodialysis Patients. Nutrients, 2021, 13, 1292. Toward more robust and reproducible diffusion kurtosis imaging. Magnetic Resonance in Medicine, 1270 2021, 86, 1600-1613. Vascular health and diffusion properties of normal appearing white matter in midlife. Brain 1271 7 1.5 Communications, 2021, 3, fcab080. Diffusion models reveal white matter microstructural changes with ageing, pathology and cognition. 1.5 38 Brain Communications, 2021, 3, fcab106. Recent Advances in Neuroimaging of Epilepsy. Neurotherapeutics, 2021, 18, 811-826. 1273 2.1 21 Investigating the relationship between diffusion kurtosis tensor imaging (DKTI) and histology within 1274 1.6 the normal human brain. Scientific Reports, 2021, 11, 8857. Cortical diffusion kurtosis imaging and thalamic volume are associated with cognitive and walking 1275 1.8 5 performance in relapsingâ€"remitting multiple sclerosis. Journal of Neurology, 2021, 268, 3861-3870. Evaluation of amide proton transfer-weighted imaging for endometrial carcinoma histological 1276 features: a comparative study with diffusion kurtosis imaging. European Radiology, 2021, 31, 8388-8398. Comparison of Diffusion Kurtosis Imaging and Amide Proton Transfer Imaging in the Diagnosis and 1277 1.313 Risk Assessment of Prostate Cancer. Frontiers in Oncology, 2021, 11, 640906. Assessment of chronic allograft injury in renal transplantation using diffusional kurtosis imaging. 1278 1.4 BMC Medical Imaging, 2021, 21, 63.

#	Article	IF	CITATIONS
1279	Clioma grading, molecular feature classification, and microstructural characterization using MR diffusional variance decomposition (DIVIDE) imaging. European Radiology, 2021, 31, 8197-8207.	2.3	12
1282	A Pilot Study of Multidimensional Diffusion MRI for Assessment of Tissue Heterogeneity in Prostate Cancer. Investigative Radiology, 2021, 56, 845-853.	3.5	15
1283	Primary application of mean apparent propagator-MRI diffusion model in the grading of diffuse glioma. European Journal of Radiology, 2021, 138, 109622.	1.2	17
1284	Simultaneous multi-slice image reconstruction using regularized image domain split slice-GRAPPA for diffusion MRI. Medical Image Analysis, 2021, 70, 102000.	7.0	10
1285	Amide Proton Transferâ€Weighted Imaging and Multiple Models Diffusionâ€Weighted Imaging Facilitates Preoperative Risk Stratification of Early‣tage Endometrial Carcinoma. Journal of Magnetic Resonance Imaging, 2021, 54, 1200-1211.	1.9	25
1286	Overview of Diffusion Tensor, Diffusion Kurtosis, and Q-space Imaging and Software Tools. Magnetic Resonance Imaging Clinics of North America, 2021, 29, 263-268.	0.6	3
1287	The diagnostic accuracy of intravoxel incoherent motion and diffusion kurtosis imaging in the differentiation of malignant and benign soft-tissue masses: which is better?. Acta Radiologica, 2021, , 028418512110175.	0.5	4
1288	Statistical Evaluation of Different Mathematical Models for Diffusion Weighted Imaging of Prostate Cancer Xenografts in Mice. Frontiers in Oncology, 2021, 11, 583921.	1.3	1
1289	Class Imbalance ML Methods for Classification of Dementia Stage: Kurtosis Fractional Anisotropy: ML-based classification of dementia stage (paper subtitle). , 2021, , .		0
1290	Reynolds stress tensor measurements using magnetic resonance velocimetry: expansion of the dynamic measurement range and analysis of systematic measurement errors. Experiments in Fluids, 2021, 62, 1.	1.1	10
1291	IVIM–DKIÂfor differentiation between prostate cancer and benign prostatic hyperplasia: comparison of 1.5ÂT vs. 3ÂT MRI. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2022, 35, 609-620.	1.1	7
1292	Simultaneous Multislice for Accelerating Diffusion MRI in Clinical Neuroradiology Protocols. American Journal of Neuroradiology, 2021, 42, 1437-1443.	1.2	4
1293	Mapping prostatic microscopic anisotropy using linear and spherical bâ€ŧensor encoding: A preliminary study. Magnetic Resonance in Medicine, 2021, 86, 2025-2033.	1.9	12
1294	Diffusion Magnetic Resonance Imaging-Based Biomarkers for Neurodegenerative Diseases. International Journal of Molecular Sciences, 2021, 22, 5216.	1.8	39
1295	Differentiation of microinfiltration and simple-edema areas in VX2 bone tumors by diffusion kurtosis imaging in animal experiments: a preliminary study. Acta Radiologica, 2022, 63, 794-801.	0.5	1
1296	Magic DIAMOND: Multi-fascicle diffusion compartment imaging with tensor distribution modeling and tensor-valued diffusion encoding. Medical Image Analysis, 2021, 70, 101988.	7.0	9
1297	Measurement of the diffusion of multiple nuclei in restricted spaces by pulsed field gradient NMR. Journal of Magnetic Resonance, 2021, 326, 106958.	1.2	3
1298	Glioma-Specific Diffusion Signature in Diffusion Kurtosis Imaging. Journal of Clinical Medicine, 2021, 10, 2325.	1.0	6

#	Article	IF	CITATIONS
1299	Differentiating low from high-grade soft tissue sarcomas using post-processed imaging parameters derived from multiple DWI models. European Journal of Radiology, 2021, 138, 109660.	1.2	7
1300	Non-Invasive Evaluation of Cerebral Microvasculature Using Pre-Clinical MRI: Principles, Advantages and Limitations. Diagnostics, 2021, 11, 926.	1.3	11
1301	Diffusion kurtosis imaging features of renal cell carcinoma: a preliminary study. British Journal of Radiology, 2021, 94, 20201374.	1.0	5
1302	Multidimensional analysis and detection of informative features in human brain white matter. PLoS Computational Biology, 2021, 17, e1009136.	1.5	14
1303	MRI Evaluation of Complete Response of Locally Advanced Rectal Cancer After Neoadjuvant Therapy: Current Status and Future Trends. Cancer Management and Research, 2021, Volume 13, 4317-4328.	0.9	11
1304	The effect of magnetic guiding BMSCs on hypoxic-ischemic brain damage via magnetic resonance imaging evaluation. Magnetic Resonance Imaging, 2021, 79, 59-65.	1.0	2
1305	A history of previous childbirths is linked to women's white matter brain age in midlife and older age. Human Brain Mapping, 2021, 42, 4372-4386.	1.9	24
1306	Design and characterization of a 3Dâ€printed axonâ€mimetic phantom for diffusion MRI. Magnetic Resonance in Medicine, 2021, 86, 2482-2496.	1.9	4
1307	Progressive microstructural alterations in subcortical nuclei in Parkinson's disease: A diffusion magnetic resonance imaging study. Parkinsonism and Related Disorders, 2021, 88, 82-89.	1.1	10
1308	Clinical Application of Machine Learning Models for Brain Imaging in Epilepsy: A Review. Frontiers in Neuroscience, 2021, 15, 684825.	1.4	21
1309	Rapid microstructural plasticity in the cortical semantic network following a short language learning session. PLoS Biology, 2021, 19, e3001290.	2.6	17
1310	Comparison of Neurite Orientation Dispersion and Density Imaging and Two-Compartment Spherical Mean Technique Parameter Maps in Multiple Sclerosis. Frontiers in Neurology, 2021, 12, 662855.	1.1	12
1311	Common genetic variation influencing human white matter microstructure. Science, 2021, 372, .	6.0	106
1312	Value of multiple models of diffusion-weighted imaging for improving the nodal staging of preoperatively node-negative rectal cancer. Abdominal Radiology, 2021, 46, 4548-4555.	1.0	2
1314	Characterization and correction of cardiovascular motion artifacts in diffusionâ€weighted imaging of the pancreas. Magnetic Resonance in Medicine, 2021, 86, 1956-1969.	1.9	8
1315	Whole brain atlas-based diffusion kurtosis imaging parameters for evaluation of minimal hepatic encephalopathy. Neuroradiology Journal, 2022, 35, 67-76.	0.6	3
1316	Application of Diffusion Weighted Imaging Techniques for Differentiating Benign and Malignant Breast Lesions. Frontiers in Oncology, 2021, 11, 694634.	1.3	3
1317	Accelerated diffusion and relaxationâ€diffusion MRI using timeâ€division multiplexing EPI. Magnetic Resonance in Medicine, 2021, 86, 2528-2541.	1.9	6
#	Article	IF	CITATIONS
------	---	-----	-----------
1318	Rapid microscopic fractional anisotropy imaging via an optimized linear regression formulation. Magnetic Resonance Imaging, 2021, 80, 132-143.	1.0	7
1319	Continuous diffusion spectrum computation for diffusion-weighted magnetic resonance imaging of the kidney tubule system. Quantitative Imaging in Medicine and Surgery, 2021, 11, 3098-3119.	1.1	11
1320	The Mathematics of Quasi-Diffusion Magnetic Resonance Imaging. Mathematics, 2021, 9, 1763.	1.1	5
1321	Optimized bias and signal inference in diffusionâ€weighted image analysis (OBSIDIAN). Magnetic Resonance in Medicine, 2021, 86, 2716-2732.	1.9	4
1322	Matrix moments of the diffusion tensor distribution and matrix-variate Gamma approximation. Journal of Magnetic Resonance Open, 2021, , 100016.	0.5	4
1323	Diffusion kurtosis imaging as an imaging biomarker for predicting prognosis in chronic kidney disease patients. Nephrology Dialysis Transplantation, 2022, 37, 1451-1460.	0.4	9
1324	Diffusion kurtosis imaging detects the timeâ€dependent progress of pathological changes in the oral rotenone mouse model of Parkinson's disease. Journal of Neurochemistry, 2021, 158, 779-797.	2.1	12
1325	Diffusion kurtosis imaging for the assessment of renal fibrosis of chronic kidney disease: A preliminary study. Magnetic Resonance Imaging, 2021, 80, 113-120.	1.0	13
1326	Removal of partial Fourierâ€induced Gibbs (RPG) ringing artifacts in MRI. Magnetic Resonance in Medicine, 2021, 86, 2733-2750.	1.9	12
1327	Cross-term-compensated gradient waveform design for tensor-valued diffusion MRI. Journal of Magnetic Resonance, 2021, 328, 106991.	1.2	10
1328	Evidence for microscopic kurtosis in neural tissue revealed by correlation tensor MRI. Magnetic Resonance in Medicine, 2021, 86, 3111-3130.	1.9	13
1329	Making the Invisible Visible: Advanced Neuroimaging Techniques in Focal Epilepsy. Frontiers in Neuroscience, 2021, 15, 699176.	1.4	7
1330	Diffusional Kurtosis Imaging in the Diffusion Imaging in Python Project. Frontiers in Human Neuroscience, 2021, 15, 675433.	1.0	34
1331	Diffusion MRI tractography for neurosurgery: the basics, current state, technical reliability and challenges. Physics in Medicine and Biology, 2021, 66, 15TR01.	1.6	25
1332	Scan Time Reduction in Intravoxel Incoherent Motion Diffusion-Weighted Imaging and Diffusion Kurtosis Imaging of the Abdominal Organs: Using a Simultaneous Multislice Technique With Different Acceleration Factors. Journal of Computer Assisted Tomography, 2021, 45, 507-515.	0.5	3
1333	Diffusion kurtosis imaging combined with dynamic susceptibility contrast-enhanced MRI in differentiating high-grade glioma recurrence from pseudoprogression. European Journal of Radiology, 2021, 144, 109941.	1.2	6
1334	Application of Diffusion Kurtosis Imaging and Dynamic Contrastâ€Enhanced Magnetic Resonance Imaging in Differentiating Benign and Malignant Head and Neck Lesions. Journal of Magnetic Resonance Imaging, 2022, 55, 414-423.	1.9	6
1335	Magnetic Resonance Image of Neonatal Acute Bilirubin Encephalopathy: A Diffusion Kurtosis Imaging Study. Frontiers in Neurology, 2021, 12, 645534.	1.1	9

#	Article	IF	CITATIONS
1336	Combined diffusionâ€relaxometry microstructure imaging: Current status and future prospects. Magnetic Resonance in Medicine, 2021, 86, 2987-3011.	1.9	46
1339	Half Way There: Theoretical Considerations for Power Laws and Sticks in Diffusion MRI for Tissue Microstructure. Mathematics, 2021, 9, 1871.	1.1	0
1340	Mapping gradient nonlinearity and miscalibration using diffusionâ€weighted MR images of a uniform isotropic phantom. Magnetic Resonance in Medicine, 2021, 86, 3259-3273.	1.9	8
1341	Cortical microstructural changes associated with treated aphasia recovery. Annals of Clinical and Translational Neurology, 2021, 8, 1884-1894.	1.7	7
1342	Feasibility of diffusion weighting with a local insideâ€out nonlinear gradient coil for prostate MRI. Medical Physics, 2021, 48, 5804-5818.	1.6	4
1343	Diffusion tensor-based analysis of white matter in the healthy aging canine brain. Neurobiology of Aging, 2021, 105, 129-136.	1.5	7
1344	Diffusion tensor imagingâ€based pontine damage as a degeneration marker in synucleinopathy. Journal of Neuroscience Research, 2021, 99, 2922-2931.	1.3	1
1345	A 48-channel receive array coil for mesoscopic diffusion-weighted MRI of exÂvivo human brain on the 3 T connectome scanner. NeuroImage, 2021, 238, 118256.	2.1	13
1346	Radiomic Features of T2-weighted Imaging and Diffusion Kurtosis Imaging in Differentiating Clinicopathological Characteristics of Cervical Carcinoma. Academic Radiology, 2022, 29, 1133-1140.	1.3	4
1347	NMR diffusometry: A new perspective for nanomedicine exploration. Journal of Controlled Release, 2021, 337, 155-167.	4.8	10
1348	REPIMPACT - a prospective longitudinal multisite study on the effects of repetitive head impacts in youth soccer. Brain Imaging and Behavior, 2022, 16, 492-502.	1.1	6
1349	Preoperative assessment of microvascular invasion of hepatocellular carcinoma using non-Gaussian diffusion-weighted imaging with a fractional order calculus model: A pilot study. Magnetic Resonance Imaging, 2023, 95, 110-117.	1.0	10
1350	A Fast Protocol for Multiparametric Characterisation of Diffusion in the Brain and Brain Tumours. Frontiers in Oncology, 2021, 11, 554205.	1.3	1
1351	Diagnostic accuracy of MRI textural analysis in the classification of breast tumors. Clinical Imaging, 2021, 77, 86-91.	0.8	5
1353	Prostate Cancer <scp>Diffusionâ€Weighted Magnetic Resonance Imaging</scp> : Does the Choice of <scp>Diffusionâ€Weighting</scp> Level Matter?. Journal of Magnetic Resonance Imaging, 2022, 55, 842-853.	1.9	7
1354	High fidelity fiber orientation density functions from fiber ball imaging. NMR in Biomedicine, 2022, 35, e4613.	1.6	5
1355	Alterations in Sensorimotor and Mesiotemporal Cortices and Diffuse White Matter Changes in Primary Progressive Multiple Sclerosis Detected by Adiabatic Relaxometry. Frontiers in Neuroscience, 2021, 15, 711067.	1.4	1
1356	Convolutional neural network optimizes the application of diffusion kurtosis imaging in Parkinson's disease. Brain Informatics, 2021, 8, 18.	1.8	1

#	Article	IF	CITATIONS
1357	Feasibility study of simultaneous multislice diffusion kurtosis imaging with different acceleration factors in the liver. BMC Medical Imaging, 2021, 21, 132.	1.4	4
1358	Q-space trajectory imaging with positivity constraints (QTI+). NeuroImage, 2021, 238, 118198.	2.1	10
1359	Grading of Pediatric Intracranial Tumors: Are Intravoxel Incoherent Motion and Diffusional Kurtosis Imaging Superior to Conventional DWI?. American Journal of Neuroradiology, 2021, 42, 2046-2053.	1.2	8
1360	On the generalizability of diffusion MRI signal representations across acquisition parameters, sequences and tissue types: Chronicles of the MEMENTO challenge. NeuroImage, 2021, 240, 118367.	2.1	10
1361	MESMERISED: Super-accelerating T1 relaxometry and diffusion MRI with STEAM at 7 T for quantitative multi-contrast and diffusion imaging. NeuroImage, 2021, 239, 118285.	2.1	9
1362	MRI phantom for tissue simulation with respect to diffusion coefficient and kurtosis - Validation with injection of liposomal theranostics. Magnetic Resonance Imaging, 2021, 82, 18-23.	1.0	2
1363	Diffusion-Weighted Imaging: Recent Advances and Applications. Seminars in Ultrasound, CT and MRI, 2021, 42, 490-506.	0.7	30
1364	Mapping complex cell morphology in the grey matter with double diffusion encoding MR: A simulation study. NeuroImage, 2021, 241, 118424.	2.1	11
1365	Diffusion kurtosis imaging of white matter in bipolar disorder. Psychiatry Research - Neuroimaging, 2021, 317, 111341.	0.9	6
1366	Fixel-based Analysis of Diffusion MRI: Methods, Applications, Challenges and Opportunities. NeuroImage, 2021, 241, 118417.	2.1	117
1367	Comparative analysis of signal models for microscopic fractional anisotropy estimation using q-space trajectory encoding. NeuroImage, 2021, 242, 118445.	2.1	6
1368	Diffusion MRI detects basal forebrain cholinergic abnormalities in the 3xTg-AD mouse model of Alzheimer's disease. Magnetic Resonance Imaging, 2021, 83, 1-13.	1.0	14
1369	Neurobiological underpinnings of rapid white matter plasticity during intensive reading instruction. NeuroImage, 2021, 243, 118453.	2.1	12
1370	Diffusion kurtosis imaging–derived histogram metrics for prediction of resistance to neoadjuvant chemoradiotherapy in rectal adenocarcinoma: Preliminary findings. European Journal of Radiology, 2021, 144, 109963.	1.2	3
1371	High-fidelity approximation of grid- and shell-based sampling schemes from undersampled DSI using compressed sensing: Post mortem validation. NeuroImage, 2021, 244, 118621.	2.1	11
1372	Are thinking machines breaking new frontiers in neuro-oncology? A narrative review on the emerging role of machine learning in neuro-oncological practice. Journal of Innovative Optical Health Sciences, 2021, 16, 8.	0.5	0
1373	Advancements in Neuroimaging to Unravel Biological and Molecular Features of Brain Tumors. Cancers, 2021, 13, 424.	1.7	21
1374	Feasibility of generalised diffusion kurtosis imaging approach for brain glioma grading. Neuroradiology, 2021, 63, 1241-1251.	1.1	12

ARTICLE IF CITATIONS Enhancing Diffusion Signal Augmentation Using Spherical Convolutions. Mathematics and 1375 0.4 0 Visualization, 2021, , 189-200. Study protocol: randomised controlled trial evaluating exercise therapy as a supplemental treatment strategy in early multiple sclerosis: the Early Multiple Sclerosis Exercise Study (EMSES). BMJ Open, 1376 0.8 2021, 11, e043699. Axonal remodeling of the corticospinal tract during neurological recovery after stroke. Neural 1377 1.6 16 Regeneration Research, 2021, 16, 939. Repeatability of IVIM biomarkers from diffusionâ€weighted MRI in head and neck: Bayesian probability 1.9 versus neural network. Magnetic Resonance in Medicine, 2021, 85, 3394-3402. Uterine Cervical Carcinoma: Evaluation Using Non-Gaussian Diffusion Kurtosis Imaging and Its 1380 Correlation With Histopathological Findings. Journal of Computer Assisted Tomography, 2021, 45, 0.5 8 29-36. Diffusion kurtosis MRI versus conventional diffusionâ€weighted imaging for evaluating inflammatory activity in Crohn's disease. Journal of Magnetic Resonance Imaging, 2018, 47, 702-709. Connectivity. Current Topics in Behavioral Neurosciences, 2013, 16, 49-77. 1383 0.8 7 Simple Harmonic Oscillator Based Reconstruction and Estimation for One-Dimensional q-Space 9 1384 0.1 Magnetic Resonance (1D-SHORE). Applied and Numerical Harmonic Analysis, 2013, , 373-399. From Second to Higher Order Tensors in Diffusion-MRI. Advances in Pattern Recognition, 2009, 1385 0.8 5 315-334. Advanced Physiologic Imaging: Diffusion– Theory and Applications. , 2020, , 93-108. Clinical MR Biomarkers. Recent Results in Cancer Research, 2020, 216, 719-745. 1387 2 1.8 Estimating Tissue Microstructure with Undersampled Diffusion Data via Graph Convolutional Neural 1388 1.0 Networks. Lecture Notes in Computer Science, 2020, 12267, 280-290. Visualization of Diffusion Propagator and Multiple Parameter Diffusion Signal. Mathematics and 1389 0.4 3 Visualization, 2015, , 191-212. Direction-Controlled DTI Interpolation. Mathematics and Visualization, 2015, 149-162. 1390 0.4 q-Space Deep Learning for Twelve-Fold Shorter and Model-Free Diffusion MRI Scans. Lecture Notes in 1391 1.0 11 Computer Science, 2015, , 37-44. Diffusion Propagator Imaging: Using Laplace's Equation and Multiple Shell Acquisitions to 1392 1.0 Reconstruct the Diffusion Propagator. Lecture Notes in Computer Science, 2009, 21, 1-13. Feasibility and Advantages of Diffusion Weighted Imaging Atlas Construction in Q-Space. Lecture 1393 1.0 13 Notes in Computer Science, 2011, 14, 166-173. Diffusion Propagator Estimation from Sparse Measurements in a Tractography Framework. Lecture 1394 Notes in Computer Science, 2013, 16, 510-517.

		CITATION REPORT		
#	Article		IF	CITATIONS
1395	Higher-Order Tensors in Diffusion Imaging. Mathematics and Visualization, 2014, , 129	9-161.	0.4	11
1396	Riemann-Finsler Geometry for Diffusion Weighted Magnetic Resonance Imaging. Math Visualization, 2014, , 189-208.	ematics and	0.4	6
1397	Lung Morphometry With HP Gas Diffusion MRI. , 2017, , 183-209.			5
1398	Diffusion kurtosis imaging of a human nasopharyngeal carcinoma xenograft model: Ini with pathological correlation. Magnetic Resonance Imaging, 2018, 47, 111-117.	tial experience	1.0	6
1399	Neonatal morphometric similarity mapping for predicting brain age and characterizing variation associated with preterm birth. NeuroImage: Clinical, 2020, 25, 102195.	neuroanatomic	1.4	41
1401	Chapter 11. Gel Phantoms for Diffusion MRI Studies. New Developments in NMR, 2020	0, , 379-400.	0.1	1
1402	Measured Multipoint Ultra-High b-Value Diffusion MRI in the Assessment of MRI-Detec Lesions. Investigative Radiology, 2021, 56, 94-102.	ted Prostate	3.5	9
1412	Multisite concordance of apparent diffusion coefficient measurements across the NCI Imaging Network. Journal of Medical Imaging, 2017, 5, 1.	Quantitative	0.8	22
1413	Histogram analysis in predicting the grade and histological subtype of meningiomas ba diffusion kurtosis imaging. Acta Radiologica, 2020, 61, 1228-1239.	ased on	0.5	3
1414	Dorsal Visual Pathway Changes in Patients with Comitant Extropia. PLoS ONE, 2010, 5	,e10931.	1.1	49
1415	Parametric Representation of Multiple White Matter Fascicles from Cube and Sphere D PLoS ONE, 2012, 7, e48232.)iffusion MRI.	1.1	65
1416	MRI of Neuronal Recovery after Low-Dose Methamphetamine Treatment of Traumatic Rats. PLoS ONE, 2013, 8, e61241.	Brain Injury in	1.1	17
1417	Characterizing Brain Structures and Remodeling after TBI Based on Information Conte Entropy. PLoS ONE, 2013, 8, e76343.	nt, Diffusion	1.1	19
1418	Quantitative Evaluation of Rabbit Brain Injury after Cerebral Hemisphere Radiation Exp Generalized q-Sampling Imaging. PLoS ONE, 2015, 10, e0133001.	osure Using	1.1	16
1419	Spherical Deconvolution of Multichannel Diffusion MRI Data with Non-Gaussian Noise Spatial Regularization. PLoS ONE, 2015, 10, e0138910.	Models and	1.1	27
1420	Extrapolation-Based References Improve Motion and Eddy-Current Correction of High Data: Application in Parkinson's Disease Dementia. PLoS ONE, 2015, 10, e014182	B-Value DWI 5.	1.1	75
1421	Evaluating Prostate Cancer Using Fractional Tissue Composition of Radical Prostatecto and Pre-Operative Diffusional Kurtosis Magnetic Resonance Imaging. PLoS ONE, 2016,	omy Specimens 11, e0159652.	1.1	24
1422	Temperature and concentration calibration of aqueous polyvinylpyrrolidone (PVP) solu isotropic diffusion MRI phantoms. PLoS ONE, 2017, 12, e0179276.	tions for	1.1	36

#	Article	IF	CITATIONS
1423	Diffusion weighted imaging in patients with rectal cancer: Comparison between Gaussian and non-Gaussian models. PLoS ONE, 2017, 12, e0184197.	1.1	6
1424	Diffusion kurtosis imaging of gliomas grades II and III - a study of perilesional tumor infiltration, tumor grades and subtypes at clinical presentation. Radiology and Oncology, 2017, 51, 121-129.	0.6	37
1425	<i>In Vivo</i> Diffusion Tensor Imaging in Acute and Subacute Phases of Mild Traumatic Brain Injury in Rats. ENeuro, 2020, 7, ENEURO.0476-19.2020.	0.9	15
1427	Multicenter Repeatability Study of a Novel Quantitative Diffusion Kurtosis Imaging Phantom. Tomography, 2019, 5, 36-43.	0.8	13
1428	Quantitative Non-Gaussian Intravoxel Incoherent Motion Diffusion-Weighted Imaging Metrics and Surgical Pathology for Stratifying Tumor Aggressiveness in Papillary Thyroid Carcinomas. Tomography, 2019, 5, 26-35.	0.8	7
1429	Discrimination of Malignant and Benign Breast Lesions Using Quantitative Multiparametric MRI: A Preliminary Study. Tomography, 2020, 6, 148-159.	0.8	12
1430	The value of diffusion kurtosis imaging in assessing pathological complete response to neoadjuvant chemoradiation therapy in rectal cancer: a comparison with conventional diffusion-weighted imaging. Oncotarget, 2017, 8, 75597-75606.	0.8	47
1431	Staging of rat liver fibrosis using monoexponential, stretched exponential and diffusion kurtosis models with diffusion weighted imaging- magnetic resonance. Oncotarget, 2018, 9, 2357-2366.	0.8	8
1432	MCSD: A MATLAB Tool for Monte-Carlo Simulations of Diffusion in biological Tissues. Journal of Open Source Software, 2018, 3, 966.	2.0	1
1433	A Better Characterization of Brain Damage in Carbon Monoxide Intoxication Assessed in Vivo Using Diffusion Kurtosis Imaging. , 2016, , .		1
1434	Positive definiteness of Diffusion Kurtosis Imaging. Inverse Problems and Imaging, 2012, 6, 57-75.	0.6	26
1435	What does diffusion tensor imaging (DTI) tell us about cognitive networks in temporal lobe epilepsy?. Quantitative Imaging in Medicine and Surgery, 2015, 5, 247-63.	1.1	28
1436	The potential role of novel diffusion imaging techniques in the understanding and treatment of epilepsy. Quantitative Imaging in Medicine and Surgery, 2015, 5, 279-87.	1.1	29
1437	Principles and limitations of NMR diffusion measurements. Journal of Medical Physics, 2007, 32, 34.	0.1	37
1438	Diffusional kurtosis imaging: a promising technique for detecting microstructural changes in neural development and regeneration. Neural Regeneration Research, 2014, 9, 1108.	1.6	8
1439	Diffusion kurtosis imaging of microstructural changes in brain tissue affected by acute ischemic stroke in different locations. Neural Regeneration Research, 2019, 14, 272.	1.6	33
1440	Differentiating between Alzheimer's disease, amnestic mild cognitive impairment, and normal aging via diffusion kurtosis imaging. Neural Regeneration Research, 2019, 14, 2141.	1.6	17
1441	Advanced diffusion magnetic resonance imaging in patients with Alzheimer's and Parkinson's diseases. Neural Regeneration Research, 2020, 15, 1590.	1.6	28

#	Article	IF	CITATIONS
1442	Diffusion Tensor Imaging and Its Application to Traumatic Brain Injury: Basic Principles and Recent Advances. Open Journal of Medical Imaging, 2012, 02, 137-161.	0.1	7
1443	Various diffusion magnetic resonance imaging techniques for pancreatic cancer. World Journal of Radiology, 2015, 7, 424.	0.5	13
1444	Diffusion-weighted magnetic resonance imaging in cancer: Reported apparent diffusion coefficients, <i>in-vitro</i> and <i>in-vivo</i> reproducibility. World Journal of Radiology, 2016, 8, 21.	0.5	45
1445	Demonstrating Microstructural Environment of the Brain in Neonatal Bilirubin Encephalopathy with Diffusion Kurtosis Imaging. Iranian Journal of Radiology, 2017, In press, .	0.1	2
1447	Subcortical nuclei in Alzheimer's disease: a volumetric and diffusion kurtosis imaging study. Acta Radiologica, 2018, 59, 1365-1371.	0.5	1
1448	Magnetic resonance quantification of non-Gaussian water diffusion in hepatic fibrosis staging: a pilot study of diffusion kurtosis imaging to identify reversible hepatic fibrosis. Annals of Translational Medicine, 2021, 9, 1569-1569.	0.7	0
1449	Accuracy and precision in super-resolution MRI: Enabling spherical tensor diffusion encoding at ultra-high b-values and high resolution. NeuroImage, 2021, 245, 118673.	2.1	11
1451	Optimizing Diffusion-weighted MRI of Peripheral Nerves. Radiology, 2022, 302, 162-163.	3.6	1
1452	Cross-scanner reproducibility and harmonization of a diffusion MRI structural brain network: A traveling subject study of multi-b acquisition. NeuroImage, 2021, 245, 118675.	2.1	15
1453	The history of magnetic resonance imaging and its reflections in <i>Acta Radiologica</i> . Acta Radiologica, 2021, 62, 1481-1498.	0.5	2
1454	An Update in Imaging Evaluation of Histopathological Grade of Soft Tissue Sarcomas Using Structural and Quantitative Imaging and Radiomics. Journal of Magnetic Resonance Imaging, 2021, , .	1.9	2
1455	Study of Diffusion Weighted Imaging Derived Diffusion Parameters as Biomarkers for the Microenvironment in Gliomas. Frontiers in Oncology, 2021, 11, 672265.	1.3	3
1457	Diffusion MRI in Peripheral Nerves: Optimized <i>b</i> Values and the Role of Non-Gaussian Diffusion. Radiology, 2022, 302, 153-161.	3.6	13
1459	Radiomics-based machine learning analysis and characterization of breast lesions with multiparametric diffusion-weighted MR. Journal of Translational Medicine, 2021, 19, 443.	1.8	14
1460	Validation of Diffusion Kurtosis as an Early-Stage Biomarker of Parkinson's in Animal Models. Neuromethods, 2022, , 429-455.	0.2	0
1461	Diffusion Tensor Imaging in Rat Models of Invasive Brain Tumors. , 2011, , 131-144.		0
1462	Mouse Phenotyping with MRI. Methods in Molecular Biology, 2011, 771, 595-631.	0.4	2
1463	Study on Cerebral Infarction in Rat Brain with Diffusional Kurtosis Imaging. IFMBE Proceedings, 2013, , 995-998.	0.2	0

#	Article	IF	CITATIONS
1464	Diffusion-Weighted Imaging Analysis. , 2014, , 143-177.		0
1465	Magnetic Resonance as a Tool for Pharmaco-Imaging. AAPS Advances in the Pharmaceutical Sciences Series, 2014, , 291-326.	0.2	0
1467	Groupwise Registration for Correcting Subject Motion and Eddy Current Distortions in Diffusion MRI Using a PCA Based Dissimilarity Metric. Mathematics and Visualization, 2014, , 163-174.	0.4	2
1468	Diffusion MR Imaging of White Matter Pathways. Juntendo Medical Journal, 2014, 60, 100-106.	0.1	1
1469	Recent Advances in Neuroimaging Analysis. Journal of the Nihon University Medical Association, 2014, 73, 112-115.	0.0	0
1472	Forefront of Spinal Cord Diffusion Tensor Imaging. Spinal Surgery, 2015, 29, 279-286.	0.0	0
1473	Finslerian Diffusion and the Blochâ \in "Torrey Equation. Mathematics and Visualization, 2015, , 21-35.	0.4	0
1474	Joint Reconstruction of Multi-Contrast MRI for Multiple Sclerosis Lesion Segmentation. Informatik Aktuell, 2015, , 155-160.	0.4	1
1475	Adaptive Enhancement in Diffusion MRI Through Propagator Sharpening. Mathematics and Visualization, 2016, , 131-143.	0.4	2
1476	Diffusion Kurtosis Imaging Detects Acute Microstructural Changes in White and Gray Matter after Alcohol Intoxication in Rat. , 2016, , .		1
1477	Diffusion Weighted Magnetic Resonance Imaging for Detection of Tissue Electroporation in vivo. , 2016, , 1-22.		0
1479	Anisotropic Sampling Shape of White Matter Microstructure Cannot Cheat Diffusional Kurtosis. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2016, 20, 554-560.	0.5	0
1481	Use Case III: Imaging Biomarkers in Breast Tumours. Development and Clinical Integration. , 2017, , 195-251.		0
1482	Diffusion MRI Anisotropy: Modeling, Analysis and Interpretation. Mathematics and Visualization, 2017, , 203-228.	0.4	0
1483	Understanding Medical Images Based on Computational Anatomy Models. , 2017, , 151-284.		2
1484	Multiparametric Imaging: Cutting-Edge Sequences and Techniques Including Diffusion-Weighted Imaging, Magnetic Resonance Spectroscopy, and PET/CT or PET/MRI. , 2017, , 283-320.		0
1485	3.0 T Diffusion Studies. , 2017, , 83-88.		0
1486	Diffusion Kurtosis Mapping. , 2017, , 1-2.		0

#	Article	IF	CITATIONS
1487	5 Noninvasive Characterization of Myocardial Fiber Structure Using MRI. , 2017, , 179-246.		0
1491	iShim and Water Excitation Improves the Signal-to-Noise Ratio on q-Space Imaging: A Single-Center Clinical Study. Open Journal of Radiology, 2018, 08, 244-259.	0.1	2
1492	Pseudoglandular Formation in Hepatocellular Carcinoma Determines Apparent Diffusion Coefficient in Diffusion-Weighted MRI. Investigative Magnetic Resonance Imaging, 2018, 22, 79.	0.2	2
1493	DW MRI: Techniques, Protocols and Post-processing Aspects. , 2018, , 1-16.		0
1494	Domain Adaptation for Deviating Acquisition Protocols in CNN-Based Lesion Classification on Diffusion-Weighted MR Images. Lecture Notes in Computer Science, 2018, , 73-80.	1.0	3
1496	Tests of clustering thalamic nuclei based on various dMRI models in the squirrel monkey brain. , 2018, 10578, .		0
1498	DIFFUSION-KURTOSIS IMAGING IN ASSESMENT OF BRAIN MICROSTRUCTURE. HEALTHY VOLUNTEERS MEASURMENTS. Medical Visualization, 2018, , 108-126.	0.1	2
1500	Differentiation of Edematous, Tumoral and Normal Areas of Brain Using Diffusion Tensor and Neurite Orientation Dispersion and Density Imaging. Journal of Biomedical Physics and Engineering, 0, , .	0.5	6
1502	DWI Techniques and Methods for GI Tract Imaging. , 2019, , 1-13.		0
1507	Characterizing Non-Gaussian Diffusion in Heterogeneously Oriented Tissue Microenvironments. Lecture Notes in Computer Science, 2019, 11766, 556-563.	1.0	2
1508	The application of the local histograms of apparent difusion coefficient in differentiation of brain astrocytomas. Vojnosanitetski Pregled, 2019, 76, 385-391.	0.1	0
1514	Development of a novel method for visualizing restricted diffusion using subtraction of apparent diffusion coefficient values. Molecular Medicine Reports, 2019, 20, 2963-2969.	1.1	4
1518	White Matter Evaluation in Multiple Sclerosis Through Magnetic Resonance Kurtosis Imaging. Cureus, 2019, 11, e6424.	0.2	2
1519	Brain Tumour Imaging: Developing Techniques and Future Perspectives. , 2020, , 81-92.		0
1524	Longitudinal Disconnection Tractograms to Investigate the Functional Consequences of White Matter Damage: An Automated Pipeline. Journal of Neuroimaging, 2020, 30, 443-457.	1.0	1
1531	Advanced Diffusion MRI : Non-Gaussian Analysis for the Clinic. Japanese Journal of Magnetic Resonance in Medicine, 2020, 40, 91-101.	0.0	0
1532	Magnetic Resonance Imaging: Historical Overview, Technical Developments, and Clinical Applications. Progress in Medical Physics, 2020, 31, 35-53.	0.5	1
1534	Noncontrast Pediatric Brain Perfusion. Magnetic Resonance Imaging Clinics of North America, 2021, 29, 493-513.	0.6	4

#	Article	IF	Citations
1535	Advanced Diffusion of the Pediatric Brain and Spine. Magnetic Resonance Imaging Clinics of North America, 2021, 29, 465-492.	0.6	2
1537	Classification of Intervertebral Disc Degeneration in Low Back Pain Using Diffusional Kurtosis Imaging. Open Journal of Radiology, 2020, 10, 79-89.	0.1	1
1539	Special considerations for acquisition of pediatric MRI of high spatial and temporal resolution. Advances in Magnetic Resonance Technology and Applications, 2021, 2, 3-18.	0.0	0
1540	The relationship between diffusion heterogeneity and microstructural changes in high-grade gliomas using Monte Carlo simulations. Magnetic Resonance Imaging, 2022, 85, 108-120.	1.0	2
1541	Network-Based Imaging and Connectomics. , 2020, , 73-91.		0
1542	Microstructure Imaging by Diffusion MRI. , 2020, , 55-69.		0
1543	Diffusion-Weighted Imaging. , 2020, , 65-74.		0
1544	Diffusion Kurtosis Imaging. , 2020, , 215-228.		3
1545	Measuring Microstructural Features Using Diffusion MRI. Advances in Magnetic Resonance Technology and Applications, 2020, , 571-604.	0.0	1
1547	Modeling Fiber Orientations Using Diffusion MRI. Advances in Magnetic Resonance Technology and Applications, 2020, 1, 509-532.	0.0	0
1550	Frontiers of microstructural imaging with diffusion MRI. Advances in Magnetic Resonance Technology and Applications, 2021, 2, 19-39.	0.0	1
1551	Diffusional kurtosis imaging as a possible prognostic marker of cervical incomplete spinal cord injury outcome: a prospective pilot study. Acta Neurochirurgica, 2022, 164, 25-32.	0.9	1
1553	Test-retest reproducibility of in vivo oscillating gradient and microscopic anisotropy diffusion MRI in mice at 9.4 Tesla. PLoS ONE, 2021, 16, e0255711.	1.1	5
1554	Relating diffusion-weighted magnetic resonance imaging of brain white matter to cognitive processing-speed deficits in schizophrenia. Biomedical Physics and Engineering Express, 2020, 6, 055007.	0.6	1
1556	Diffusion Kurtosis Mapping. , 2018, , 1150-1152.		0
1558	Diffuse Liver Diseases. , 2021, , 69-97.		0
1562	Protocol Optimization for Renal Mass Detection and Characterization. Radiologic Clinics of North America, 2020, 58, 851-873.	0.9	6
1566	Magnetic Resonance Imaging of Stroke in the Rat. Bopuxue Zazhi, 2014, 31, 116-132.	1.0	5

#	Article	IF	CITATIONS
1570	Differentiation of Edematous, Tumoral and Normal Areas of Brain Using Diffusion Tensor and Neurite Orientation Dispersion and Density Imaging. Journal of Biomedical Physics and Engineering, 2018, 8, 251-260.	0.5	10
1571	Survival prediction of high-grade glioma patients with diffusion kurtosis imaging. American Journal of Translational Research (discontinued), 2019, 11, 3680-3688.	0.0	7
1572	T2-FLAIR, DWI and DKI radiomics satisfactorily predicts histological grade and Ki-67 proliferation index in gliomas. American Journal of Translational Research (discontinued), 2021, 13, 9182-9194.	0.0	0
1573	Quantitative Magnetic Resonance Imaging Biomarkers for Head and Neck and Thyroid Cancers. , 2021, , 1-26.		0
1574	Multi‣ite Concordance of Diffusionâ€Weighted Imaging Quantification for Assessing Prostate Cancer Aggressiveness. Journal of Magnetic Resonance Imaging, 2022, 55, 1745-1758.	1.9	11
1575	Mechanisms of myelin repair, MRI techniques and therapeutic opportunities in multiple sclerosis. Multiple Sclerosis and Related Disorders, 2022, 58, 103407.	0.9	5
1576	Diffusion Kurtosis <scp>MR</scp> Imaging of Invasive Breast Cancer: Correlations With Prognostic Factors and Molecular Subtypes. Journal of Magnetic Resonance Imaging, 2022, 56, 110-120.	1.9	13
1577	Using tissue microstructure and multimodal MRI to parse the phenotypic heterogeneity and cellular basis of autism spectrum disorder. Journal of Child Psychology and Psychiatry and Allied Disciplines, 2022, 63, 855-870.	3.1	5
1579	Highâ€resolution microscopic diffusion anisotropy imaging in the human hippocampus at 3T. Magnetic Resonance in Medicine, 2022, 87, 1903-1913.	1.9	4
1580	White matter association tracts underlying language and theory of mind: An investigation of 809 brains from the Human Connectome Project. NeuroImage, 2022, 246, 118739.	2.1	18
1581	Exploring arterial tissue microstructural organization using non-Gaussian diffusion magnetic resonance schemes. Scientific Reports, 2021, 11, 22247.	1.6	4
1582	Toward an Intravoxel Incoherent Motion 2-in-1 Magnetic Resonance Imaging Sequence for Ischemic Stroke Diagnosis? An Initial Clinical Experience With 1.5T Magnetic Resonance. Journal of Computer Assisted Tomography, 2021, Publish Ahead of Print, 110-115.	0.5	1
1583	MRI: Magnetic Resonance Q-Space Imaging Using Generating Function and Bayesian Inference. , 2022, , 315-321.		0
1584	Diffusion MRI harmonization enables joint-analysis of multicentre data of patients with cerebral small vessel disease. NeuroImage: Clinical, 2021, 32, 102886.	1.4	4
1585	Clinical experience of tensor-valued diffusion encoding for microstructure imaging by diffusional variance decomposition in patients with breast cancer. Quantitative Imaging in Medicine and Surgery, 2022, 12, 2002-2017.	1.1	6
1586	Quantitative Methods in Brain Tumor Imaging. , 2021, , 1-32.		0
1587	Microscopic Fractional Anisotropy Detects Cognitive Training-Induced Microstructural Brain Changes. Tomography, 2022, 8, 33-44.	0.8	3
1588	Correlation Tensor MRI deciphers underlying kurtosis sources in stroke. NeuroImage, 2022, 247, 118833.	2.1	15

#	Article	IF	CITATIONS
1589	Histogram analysis based on diffusion kurtosis imaging: Differentiating glioblastoma multiforme from single brain metastasis and comparing the diagnostic performance of two region of interest placements. European Journal of Radiology, 2022, 147, 110104.	1.2	5
1590	Pancreatic imaging using diffusivity mapping – Influence of sequence technique on qualitative and quantitative analysis. Clinical Imaging, 2022, 83, 33-40.	0.8	2
1592	Jointly estimating parametric maps of multiple diffusion models from undersampled qâ€space data: A comparison of three deep learning approaches. Magnetic Resonance in Medicine, 2022, 87, 2957-2971.	1.9	2
1593	Potential Pitfalls of Using Fractional Anisotropy, Axial Diffusivity, and Radial Diffusivity as Biomarkers of Cerebral White Matter Microstructure. Frontiers in Neuroscience, 2021, 15, 799576.	1.4	52
1594	Histogram analysis of tensor-valued diffusion MRI in meningiomas: Relation to consistency, histological grade and type. NeuroImage: Clinical, 2022, 33, 102912.	1.4	11
1595	Prediction of Prognostic Factors and Genotypes in Patients With Breast Cancer Using Multiple Mathematical Models of MR Diffusion Imaging. Frontiers in Oncology, 2022, 12, 825264.	1.3	11
1597	Neurite Orientation Dispersion and Density Imaging in Psychiatric Disorders: A Systematic Literature Review and a Technical Note. Biological Psychiatry Global Open Science, 2023, 3, 10-21.	1.0	17
1598	Noninvasive assessment of clinical and pathological characteristics of patients with IgA nephropathy by diffusion kurtosis imaging. Insights Into Imaging, 2022, 13, 18.	1.6	5
1599	Comparison of Conventional DWI, Intravoxel Incoherent Motion Imaging, and Diffusion Kurtosis Imaging in Differentiating Lung Lesions. Frontiers in Oncology, 2021, 11, 815967.	1.3	3
1600	VERDICT MRI for radiation treatment response assessment in neuroendocrine tumors. NMR in Biomedicine, 2021, , e4680.	1.6	0
1601	Accelerating joint relaxationâ€diffusion MRI by integrating time division multiplexing and simultaneous multiâ€slice (TDMâ€&MS) strategies. Magnetic Resonance in Medicine, 2022, 87, 2697-2709.	1.9	3
1602	Stiffness Correlates Significantly with Diffusivity in Hepatocellular Carcinoma Tissue. SSRN Electronic Journal, 0, , .	0.4	0
1603	Comparative analysis of the value of amide proton transfer-weighted imaging and diffusion kurtosis imaging in evaluating the histological grade of cervical squamous carcinoma. BMC Cancer, 2022, 22, 87.	1.1	6
1604	Generalisation of continuous time random walk to anomalous diffusion MRI models with an age-related evaluation of human corpus callosum. NeuroImage, 2022, 250, 118903.	2.1	4
1607	Diffusion kurtosis imaging for assessing endometrial fibrosis: a preliminary clinical study. Abdominal Radiology, 2022, 47, 1448-1456.	1.0	2
1608	Quantitative Parameters of Diffusion Spectrum Imaging: HER2 Status Prediction in Patients With Breast Cancer. Frontiers in Oncology, 2022, 12, 817070.	1.3	10
1609	Imaging Markers of Vascular Brain Health: Quantification, Clinical Implications, and Future Directions. Stroke, 2022, 53, 416-426.	1.0	13
1610	Moment-based representation of the diffusion inside the brain from reduced DMRI acquisitions: Generalized AMURA. Medical Image Analysis, 2022, 77, <u>102356.</u>	7.0	4

#	Article	IF	CITATIONS
1612	Persistent white matter changes in recovered COVID-19 patients at the 1-year follow-up. Brain, 2022, 145, 1830-1838.	3.7	50
1613	Advanced Diffusion MR Imaging for Multiple Sclerosis in the Brain and Spinal Cord. Magnetic Resonance in Medical Sciences, 2022, 21, 58-70.	1.1	9
1615	Diffusion MRI signal cumulants and hepatocyte microstructure at fixed diffusion time: Insights from simulations, 9.4T imaging, and histology. Magnetic Resonance in Medicine, 2022, 88, 365-379.	1.9	5
1616	Diffusional Characteristics of Brain Matter after Stroke. Bulletin of Experimental Biology and Medicine, 2022, 172, 402-406.	0.3	2
1618	Altered Microstructural Changes Detected by Diffusion Kurtosis Imaging in Patients With Cognitive Impairment After Acute Cerebral Infarction. Frontiers in Neurology, 2022, 13, 802357.	1.1	0
1619	Evaluation of White Matter Microstructural Alterations in Patients with Post-Stroke Cognitive Impairment at the Sub-Acute Stage. Neuropsychiatric Disease and Treatment, 2022, Volume 18, 563-573.	1.0	4
1621	The Application of Diffusion Kurtosis Imaging on the Heterogeneous White Matter in Relapsing-Remitting Multiple Sclerosis. Frontiers in Neuroscience, 2022, 16, 849425.	1.4	6
1623	Standard diffusion-weighted, diffusion kurtosis and intravoxel incoherent motion MR imaging of the whole placenta: a pilot study of volumetric analysis. Annals of Translational Medicine, 2022, 10, 269-269.	0.7	2
1624	DKI enhances the sensitivity and interpretability of age-related DTI patterns in the white matter of UK biobank participants. Neurobiology of Aging, 2022, 115, 39-49.	1.5	12
1625	Advanced Diffusion MRI of the Visual System in Glaucoma: From Experimental Animal Models to Humans. Biology, 2022, 11, 454.	1.3	3
1626	Metabolic and physiologic magnetic resonance imaging in distinguishing true progression from pseudoprogression in patients with glioblastoma. NMR in Biomedicine, 2022, 35, e4719.	1.6	11
1627	Post-Concussive Vestibular Dysfunction Is Related to Injury to the Inferior Vestibular Nerve. Journal of Neurotrauma, 2022, 39, 829-840.	1.7	6
1628	Combined Application of Quantitative Susceptibility Mapping and Diffusion Kurtosis Imaging Techniques to Investigate the Effect of Iron Deposition on Microstructural Changes in the Brain in Parkinson's Disease. Frontiers in Aging Neuroscience, 2022, 14, 792778.	1.7	3
1629	XGboost Prediction Model Based on 3.0T Diffusion Kurtosis Imaging Improves the Diagnostic Accuracy of MRI BiRADS 4 Masses. Frontiers in Oncology, 2022, 12, 833680.	1.3	2
1630	Soft tissue sarcoma: IVIM and DKI parameters correlate with Ki-67 labeling index on direct comparison of MRI and histopathological slices. European Radiology, 2022, 32, 5659-5668.	2.3	5
1631	Neurodegeneration of the Globus Pallidus Internus as a Neural Correlate to Dopa-Response in Freezing of Gait. Journal of Parkinson's Disease, 2022, 12, 1241-1250.	1.5	3
1632	White Matter Abnormalities and Cognitive Deficit After Mild Traumatic Brain Injury: Comparing DTI, DKI, and NODDI. Frontiers in Neurology, 2022, 13, 803066.	1.1	11
1633	High-Grade Glioma Treatment Response Monitoring Biomarkers: A Position Statement on the Evidence Supporting the Use of Advanced MRI Techniques in the Clinic, and the Latest Bench-to-Bedside Developments. Part 1: Perfusion and Diffusion Techniques. Frontiers in Oncology, 2022, 12, 810263.	1.3	29

#	Article	IF	CITATIONS
1635	Imaging Evaluation of Intervertebral Disc Degeneration and Painful Discs—Advances and Challenges in Quantitative MRI. Diagnostics, 2022, 12, 707.	1.3	13
1636	Neural Substrates of Poststroke Depression: Current Opinions and Methodology Trends. Frontiers in Neuroscience, 2022, 16, 812410.	1.4	9
1637	Enabling Complex Fibre Geometries Using 3D Printed Axon-Mimetic Phantoms. Frontiers in Neuroscience, 2022, 16, 833209.	1.4	2
1638	Differentiating Cytokeratin 19 expression of hepatocellular carcinoma by using multi-b-value diffusion-weighted MR imaging with mono-exponential, stretched exponential, intravoxel incoherent motion, diffusion kurtosis imaging and fractional order calculus models. European Journal of Radiology. 2022. 150. 110237.	1.2	12
1639	Accuracy and reliability of diffusion imaging models. NeuroImage, 2022, 254, 119138.	2.1	13
1640	In vivo Correlation Tensor MRI reveals microscopic kurtosis in the human brain on a clinical 3T scanner. Neurolmage, 2022, 254, 119137.	2.1	11
1641	Diffusion-tensor and Diffusion-kurtosis Magnetic Resonance Imaging in the Assessment of Diffuse Axonal Injury (Literature Review). RadiologiA¢ – Praktika, 2022, , 77-90.	0.0	1
1642	Altered Microstructure of Cerebral Gray Matter in Neuromyelitis Optica Spectrum Disorder-Optic Neuritis: A DKI Study. Frontiers in Neuroscience, 2021, 15, 738913.	1.4	2
1643	Radiomics Features at Multiparametric MRI Predict Disease-Free Survival in Patients With Locally Advanced Rectal Cancer. Academic Radiology, 2022, 29, e128-e138.	1.3	12
1644	Quantitative Diffusion and Spectroscopic Neuroimaging Combined with a Novel Early-Developmental Assessment Improves Models for 1-Year Developmental Outcomes. American Journal of Neuroradiology, 2022, 43, 139-145.	1.2	2
1645	T2*-weighted imaging and diffusion kurtosis imaging (DKI) of rectal cancer: correlation with clinical histopathologic prognostic factors. Abdominal Radiology, 2022, 47, 517-529.	1.0	2
1646	Magnetic resonance in the evaluation of circulation and mass transfer in human. Russian Chemical Bulletin, 2021, 70, 2266-2277.	0.4	2
1647	Tracking the Corticospinal Tract in Patients With High-Grade Glioma: Clinical Evaluation of Multi-Level Fiber Tracking and Comparison to Conventional Deterministic Approaches. Frontiers in Oncology, 2021, 11, 761169.	1.3	6
1648	Widespread White Matter Microstructure Alterations Based on Diffusion Tensor Imaging and Diffusion Kurtosis Imaging in Patients With Pontine Infarction. Frontiers in Aging Neuroscience, 2021, 13, 758236.	1.7	3
1650	Prediction of lymphovascular space invasion in cervical carcinoma using diffusion kurtosis imaging. Cancer Treatment and Research Communications, 2022, 31, 100559.	0.7	1
1651	Separating Glioma Hyperintensities From White Matter by Diffusion-Weighted Imaging With Spherical Tensor Encoding. Frontiers in Neuroscience, 2022, 16, 842242.	1.4	Ο
1652	Diffusion pore imaging in the presence of extraporal water. Journal of Magnetic Resonance, 2022, 339, 107219.	1.2	1
1653	Investigation of breast cancer microstructure and microvasculature from time-dependent DWI and CEST in correlation with histological biomarkers. Scientific Reports, 2022, 12, 6523.	1.6	4

#	Article	IF	CITATIONS
1654	Differentiation of Prostate Cancer and Stromal Hyperplasia in the Transition Zone With Monoexponential, Stretched-Exponential Diffusion-Weighted Imaging and Diffusion Kurtosis Imaging in a Reduced Number of b Values: Correlation With Whole-Mount Pathology. Journal of Computer Assisted Tomography, 2022, Publish Ahead of Print, .	0.5	1
1655	Evaluation of Amide Proton Transfer-Weighted Imaging for Risk Factors in Stage I Endometrial Cancer: A Comparison With Diffusion-Weighted Imaging and Diffusion Kurtosis Imaging. Frontiers in Oncology, 2022, 12, 876120.	1.3	5
1656	Measurement of Full Diffusion Tensor Distribution Using High-Gradient Diffusion MRI and Applications in Diffuse Gliomas. Frontiers in Physics, 2022, 10, .	1.0	1
1657	Quantitative measurement of diffusion-weighted imaging signal using expression-controlled aquaporin-4 cells: Comparative study of 2-compartment and diffusion kurtosis imaging models. PLoS ONE, 2022, 17, e0266465.	1.1	1
1658	Multiparameter Magnetic Resonance Quantitative Evaluation of Pancreatic Cancer with Vascular Invasion. BioMed Research International, 2022, 2022, 1-7.	0.9	1
1659	Improved diffusion parameter estimation by incorporating T2 relaxation properties into the DKI-FWE model. NeuroImage, 2022, 256, 119219.	2.1	4
1660	Fast diffusion kurtosis imaging in acute ischemic stroke shows mean kurtosisâ€diffusivity mismatch. Journal of Neuroimaging, 2022, , .	1.0	0
1661	Apparent diffusion coefficient and intravoxel incoherent motion-diffusion kurtosis model parameters in invasive breast cancer: Correlation with the histological parameters of whole-slide imaging. Magnetic Resonance Imaging, 2022, 90, 53-60.	1.0	6
1662	Intellectual Structure and Emerging Trends of White Matter Hyperintensity Studies: A Bibliometric Analysis From 2012 to 2021. Frontiers in Neuroscience, 2022, 16, 866312.	1.4	1
1663	Resolution and b value dependent structural connectome in ex vivo mouse brain. NeuroImage, 2022, 255, 119199.	2.1	10
1685	Sex―and ageâ€specific associations between cardiometabolic risk and white matter brain age in the <scp>UK</scp> Biobank cohort. Human Brain Mapping, 2022, 43, 3759-3774.	1.9	16
1686	Rat Brain Global Ischemia–Induced Diffusion Changes Revisited: Biophysical Modeling of the Water and <scp>NAA MR</scp> "Diffusion Signal― Magnetic Resonance in Medicine, 2022, , .	1.9	1
1687	Clinical application and progress of quantitative functional magnetic resonance imaging in prostate cancer. Journal of Central South University (Medical Sciences), 2021, 46, 414-420.	0.1	0
1688	Monoexponential, biexponential and diffusion kurtosis MR imaging models: quantitative biomarkers in the diagnosis of placenta accreta spectrum disorders. BMC Pregnancy and Childbirth, 2022, 22, 349.	0.9	4
1689	Beyond Diffusion Tensor MRI Methods for Improved Characterization of the Brain after Ischemic Stroke: A Review. American Journal of Neuroradiology, 2022, 43, 661-669.	1.2	11
1691	Machine Learning Based on Diffusion Kurtosis Imaging Histogram Parameters for Glioma Grading. Journal of Clinical Medicine, 2022, 11, 2310.	1.0	3
1692	Measuring Healthy Female Nulliparous Pubovisceral Muscle from Diffusion Kurtosis Imaging. NMR in Biomedicine, 2022, , e4753.	1.6	0
1693	The diagnostic value of diffusion kurtosis imaging in Parkinson's disease: a systematic review and meta-analysis. Annals of Translational Medicine, 2022, 10, 474-474.	0.7	2

#	Article	IF	CITATIONS
1694	Superior Longitudinal Fasciculus: A Review of the Anatomical Descriptions With Functional Correlates. Frontiers in Neurology, 2022, 13, 794618.	1.1	41
1695	Sensitivity of Diffusion MRI to White Matter Pathology: Influence of Diffusion Protocol, Magnetic Field Strength, and Processing Pipeline in Systemic Lupus Erythematosus. Frontiers in Neurology, 2022, 13, 837385.	1.1	5
1696	Reelin cells and sexâ€dependent synaptopathology in autism following postnatal immune activation. British Journal of Pharmacology, 2022, 179, 4400-4422.	2.7	10
1697	The Use of 18F-FET-PET-MRI in Neuro-Oncology: The Best of Both Worlds—A Narrative Review. Diagnostics, 2022, 12, 1202.	1.3	4
1698	Microstructural Evidence of Neuroinflammation for Psychological Symptoms and Pain in Patients with Fibromyalgia. Journal of Rheumatology, 2022, , jrheum.211170.	1.0	4
1699	Diffusion-relaxation scattered MR signal representation in a multi-parametric sequence. Magnetic Resonance Imaging, 2022, , .	1.0	1
1700	Abnormalities of Structural Brain Connectivity in Pediatric Brain Tumor Survivors. Neuro-Oncology Advances, 0, , .	0.4	0
1701	Reproducibility of the Standard Model of diffusion in white matter on clinical MRI systems. NeuroImage, 2022, 257, 119290.	2.1	15
1702	Evaluation of the Effects of <scp>Antiâ€PD</scp> â€1 Therapy on <scp>Tripleâ€Negative</scp> Breast Cancer in Mice by Diffusion Kurtosis Imaging and Dynamic <scp>Contrastâ€Enhanced</scp> Imaging. Journal of Magnetic Resonance Imaging, 2022, 56, 1912-1923.	1.9	4
1703	Detecting the muscle invasiveness of bladder cancer: An application of diffusion kurtosis imaging and tumor contact length. European Journal of Radiology, 2022, 151, 110329.	1.2	10
1704	Bridging the gap between constrained spherical deconvolution and diffusional variance decomposition via tensorâ€valued diffusion MRI. Medical Image Analysis, 2022, 79, 102476.	7.0	0
1705	Neurite Exchange Imaging (NEXI): A minimal model of diffusion in gray matter with inter-compartment water exchange. NeuroImage, 2022, 256, 119277.	2.1	46
1706	Test-retest reliability of diffusion kurtosis imaging metrics in the healthy adult brain. NeuroImage Reports, 2022, 2, 100098.	0.5	1
1707	Investigating Brain White Matter in Football Players with and without Concussion Using a Biophysical Model from Multishell Diffusion MRI. American Journal of Neuroradiology, 2022, 43, 823-828.	1.2	3
1708	Diffusion Kurtosis Imaging of Neonatal Spinal Cord in Clinical Routine. Frontiers in Radiology, 2022, 2, .	1.2	1
1709	Multi-shell diffusion MR imaging and brain microstructure after mild traumatic brain injury: A focus on working memory. , 2022, , 393-403.		0
1711	Comparison of diffusion kurtosis imaging and dynamic contrast enhanced MRI in prediction of prognostic factors and molecular subtypes in patients with breast cancer. European Journal of Radiology, 2022, 154, 110392.	1.2	5
1712	Metabolic activity diffusion imaging (MADI): II. Noninvasive, highâ€resolution human brain mapping of sodium pump flux and cell metrics. NMR in Biomedicine, 2023, 36, .	1.6	5

#	Article	IF	CITATIONS
1713	Preliminary study of monoexponential, biexponential, and stretched-exponential models of diffusion-weighted MRI and diffusion kurtosis imaging on differential diagnosis of spinal metastases and chordoma. European Spine Journal, 0, , .	1.0	0
1714	Altered Cerebral Microstructure in Adults With Atrial Septal Defect and Ventricular Septal Defect Repaired in Childhood. Journal of the American Heart Association, 2022, 11, .	1.6	1
1715	Structural connectivity and intelligence in brain-injured children. Neuropsychologia, 2022, 173, 108285.	0.7	1
1716	A review on investigation of the basic contrast mechanism underlying multidimensional diffusion MRI in assessment of neurological disorders. Journal of Clinical Neuroscience, 2022, 102, 26-35.	0.8	2
1717	Percentile-Based Analysis of Non-Gaussian Diffusion Parameters for Improved Glioma Grading. Investigative Magnetic Resonance Imaging, 2022, 26, 104.	0.2	1
1718	Diffusion-derived parameters in lesions, peri-lesion and normal-appearing white matter in multiple sclerosis using tensor, kurtosis and fixel-based analysis. Journal of Cerebral Blood Flow and Metabolism, 2022, 42, 2095-2106.	2.4	2
1719	High Resolution Ex Vivo Diffusion Tensor Distribution MRI of Neural Tissue. Frontiers in Physics, 0, 10,	1.0	0
1720	Recent advances in imaging techniques of renal masses. World Journal of Radiology, 2022, 14, 137-150.	0.5	2
1722	Diffusion Breast MRI: Current Standard and Emerging Techniques. Frontiers in Oncology, 0, 12, .	1.3	8
1723	Diffusion and perfusion MRI parameters in the evaluation of placenta accreta spectrum disorders in patients with placenta previa. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2022, 35, 1009-1020.	1.1	2
1724	Evaluation of diffuse glioma grade and proliferation activity by different diffusion-weighted-imaging models including diffusion kurtosis imaging (DKI) and mean apparent propagator (MAP) MRI. Neuroradiology, 2023, 65, 55-64.	1.1	5
1725	Differentiating False Positive Lesions from Clinically Significant Cancer and Normal Prostate Tissue Using VERDICT MRI and Other Diffusion Models. Diagnostics, 2022, 12, 1631.	1.3	0
1726	Associations of White Matter and Basal Ganglia Microstructure to Cognitive Fatigue Rate in Multiple Sclerosis. Frontiers in Neurology, 0, 13, .	1.1	2
1727	Virtual Biopsy in Soft Tissue Sarcoma. How Close Are We?. Frontiers in Oncology, 0, 12, .	1.3	6
1728	Identifying microstructural changes in diffusion MRI; How to circumvent parameter degeneracy. NeuroImage, 2022, 260, 119452.	2.1	1
1729	Cross-site harmonization of multi-shell diffusion MRI measures based on rotational invariant spherical harmonics (RISH). NeuroImage, 2022, 259, 119439.	2.1	8
1730	A vertex-centred finite volume method for the 3D multi-term time and space fractional Bloch–Torrey equation with fractional Laplacian. Communications in Nonlinear Science and Numerical Simulation, 2022, 114, 106666.	1.7	4
1731	Brain Micro-Structural and Functional Alterations for Cognitive Function Prediction in the End-Stage Renal Disease Patients Undergoing Maintenance Hemodialysis. Academic Radiology, 2022, , .	1.3	0

	· ·	15	0
#	ARTICLE	IF	CITATIONS
1732	Resonance Materials in Physics, Biology, and Medicine, 2022, 35, 587-608.	1.1	3
1733	Correlation analysis of structural and biomechanical properties of hepatocellular carcinoma tissue. Journal of Biomechanics, 2022, 141, 111227.	0.9	1
1734	A window into eye movement dysfunction following mTBI: A scoping review of magnetic resonance imaging and eye tracking findings. Brain and Behavior, 2022, 12, .	1.0	6
1736	ä≌è"ʿå½¢æ€ç¼₂ʻ络åŠå…¶åœ¨è"ʻå'è,²ç"ç©¶ä,的应ç". Chinese Science Bulletin, 2022, , .	0.4	1
1737	The value of diffusion kurtosis imaging, diffusion weighted imaging and 18F-FDG PET for differentiating benign and malignant solitary pulmonary lesions and predicting pathological grading. Frontiers in Oncology, 0, 12, .	1.3	1
1738	Cumulant expansion with localization: A new representation of the diffusion MRI signal. , 0, 1, .		4
1739	Aberrant brain gray matter and functional networks topology in end stage renal disease patients undergoing maintenance hemodialysis with cognitive impairment. Frontiers in Neuroscience, 0, 16, .	1.4	1
1741	Comparison of Two Types of Microscopic Diffusion Anisotropy in Mouse Brain. NMR in Biomedicine, 0, ,	1.6	1
1742	Mapping early tumor response to radiotherapy using diffusion kurtosis imaging. Neuroradiology Journal, 0, , 197140092211222.	0.6	0
1743	Possibility for Visualizing the Muscle Microstructure by q-Space Imaging Technique. Applied Bionics and Biomechanics, 2022, 2022, 1-10.	0.5	0
1744	Multimodal tract-based MRI metrics outperform whole brain markers in determining cognitive impact of small vessel disease-related brain injury. Brain Structure and Function, 2022, 227, 2553-2567.	1.2	2
1745	Single Center to Evaluate and Compare Anisometropic Amblyopia in Adults Using Blood Oxygenation Level-Dependent Functional Magnetic Resonance Imaging and Diffusion Kurtosis Imaging. Medical Science Monitor, 0, 28, .	0.5	0
1746	Microstructural Differences of the Cerebellum-Thalamus-Basal Ganglia-Limbic Cortex in Patients with Somatic Symptom Disorders: a Diffusion Kurtosis Imaging Study. Cerebellum, 0, , .	1.4	1
1747	Value of non-Gaussian diffusion imaging with a fractional order calculus model combined with conventional MRI for differentiating histological types of cervical cancer. Magnetic Resonance Imaging, 2022, 93, 181-188.	1.0	2
1748	Classification of cognitively normal controls, mild cognitive impairment and Alzheimer's disease using transfer learning approach. Biomedical Signal Processing and Control, 2023, 79, 104092.	3.5	4
1749	Incorporating multiple magnetic resonance diffusion models to differentiate low- and high-grade adult gliomas: a machine learning approach. Quantitative Imaging in Medicine and Surgery, 2022, 12, 5171-5183.	1.1	1
1750	Brain microstructure abnormalities in the 3xTg-AD mouse – A diffusion MRI and morphology correlation study. Magnetic Resonance Imaging, 2022, 94, 48-55.	1.0	1
1751	IVIM and Non-Gaussian DWI of the Breast. , 2023, , 116-143.		1

#	Article	IF	CITATIONS
1752	General Principles and Challenges of Diffusion MRI. , 2023, , 1-17.		0
1753	Imaging and measuring diffusion in brain tumours. , 2022, , 351-372.		0
1754	The role of the temporal pole in temporal lobe epilepsy: A diffusion kurtosis imaging study. NeuroImage: Clinical, 2022, 36, 103201.	1.4	3
1755	Presurgical diffusion metrics of the thalamus and thalamic nuclei in postoperative delirium: A prospective two-centre cohort study in older patients. NeuroImage: Clinical, 2022, 36, 103208.	1.4	5
1756	Unenhanced magnetic resonance imaging of papillary thyroid carcinoma with emphasis on diffusion kurtosis imaging. Quantitative Imaging in Medicine and Surgery, 2023, 13, 2697-2707.	1.1	2
1757	Biomarkers Predictive of Distant Disease-free Survival Derived from Diffusion-weighted Imaging of Breast Cancer. Magnetic Resonance in Medical Sciences, 2023, 22, 469-476.	1.1	4
1758	Hybrid Graph Transformer forÂTissue Microstructure Estimation withÂUndersampled Diffusion MRI Data. Lecture Notes in Computer Science, 2022, , 113-122.	1.0	4
1759	Advances in Molecular, Functional, and Anatomical Head and Neck Imaging. , 2022, , 73-90.		0
1760	Diffusion MRI of the breast: standard and advanced techniques. Advances in Magnetic Resonance Technology and Applications, 2022, , 459-483.	0.0	0
1761	Role of Transmembrane Water Exchange in Glioma Invasion/Migration: In Vivo Preclinical Study by Relaxometry at Very Low Magnetic Field. Cancers, 2022, 14, 4180.	1.7	5
1762	Precision neuroimaging biomarkers for bipolar disorder. International Review of Psychiatry, 2022, 34, 727-735.	1.4	2
1763	Optimization of <scp>quasiâ€diffusion</scp> magnetic resonance imaging for quantitative accuracy and timeâ€efficient acquisition. Magnetic Resonance in Medicine, 2022, 88, 2532-2547.	1.9	1
1764	Denoising diffusion weighted imaging data using convolutional neural networks. PLoS ONE, 2022, 17, e0274396.	1.1	2
1765	ADEPT: Accurate Diffusion Echoâ€Planar imaging with multiâ€contrast shoTs. Magnetic Resonance in Medicine, 2023, 89, 396-410.	1.9	3
1766	Quantitative analysis for detection and grading of hepatocellular carcinoma: Comparison of diffusion kurtosis imaging, intravoxel incoherent motion and conventional diffusion‑weighted imaging. Oncology Letters, 2022, 24, .	0.8	0
1767	Investigating Recovery After Subarachnoid Hemorrhage With the Imaging, Cognition and Outcome of Neuropsychological Functioning After Subarachnoid Hemorrhage (ICONS) Study: Protocol for a Longitudinal, Prospective Cohort Study. JMIR Research Protocols, 2022, 11, e38190.	0.5	1
1769	Intravoxel incoherent motion imaging combined with diffusion kurtosis imaging to assess the response to radiotherapy in a rabbit VX2 malignant bone tumor model. Cancer Imaging, 2022, 22, .	1.2	0
1770	Multiparametric MRI-based nomograms in predicting positive surgical margins of prostate cancer	1.3	2

#	Article	IF	CITATIONS
1772	Registration and quantification network (RQnet) for IVIMâ€ĐKI analysis in MRI. Magnetic Resonance in Medicine, 2023, 89, 250-261.	1.9	3
1773	Oxygen Challenge Imaging Reveals Differences in Metabolic Activity Between Kurtosis Lesion and Diffusion/Kurtosis Lesion Mismatch in a Rodent Model of Acute Stroke. Journal of Computer Assisted Tomography, 2022, 46, 792-799.	0.5	0
1774	Challenges and opportunities for advanced neuroimaging of glioblastoma. British Journal of Radiology, 2023, 96, .	1.0	1
1775	Axisymmetric diffusion kurtosis imaging with Rician bias correction: A simulation study. Magnetic Resonance in Medicine, 2023, 89, 787-799.	1.9	5
1776	Multi-compartment diffusion magnetic resonance imaging models link tract-related characteristics with working memory performance in healthy older adults. Frontiers in Aging Neuroscience, 0, 14, .	1.7	2
1777	Spatiotemporal encoding MRI using subspace-constrained sampling and locally-low-rank regularization: Applications to diffusion weighted and diffusion kurtosis imaging of human brain and prostate. Magnetic Resonance Imaging, 2022, 94, 151-160.	1.0	1
1778	Tuned bipolar oscillating gradients for mapping frequency dispersion of diffusion kurtosis in the human brain. Magnetic Resonance in Medicine, 2023, 89, 756-766.	1.9	3
1780	Advances in The Application and Research of Magnetic Resonance Diffusion Kurtosis Imaging in The Musculoskeletal System. Journal of Magnetic Resonance Imaging, 2023, 57, 670-689.	1.9	2
1782	Breast MRI: Multiparametric and Advanced Techniques. Medical Radiology, 2022, , 231-257.	0.0	0
1785	Multi-parametric magnetic resonance imaging of liver regeneration in a standardized partial hepatectomy rat model. BMC Gastroenterology, 2022, 22, .	0.8	0
1786	An analysis-ready and quality controlled resource for pediatric brain white-matter research. Scientific Data, 2022, 9, .	2.4	7
1787	Timeâ€dependent diffusivity and kurtosis in phantoms and patients with head and neck cancer. Magnetic Resonance in Medicine, 2023, 89, 522-535.	1.9	6
1788	Both noiseâ€floor and tissue compartment difference in diffusivity contribute to FA dependence on <i>b</i> â€value in diffusion MRI. Human Brain Mapping, 0, , .	1.9	2
1789	Preliminary Feasibility Study on Diffusion Kurtosis Imaging to Monitor the Early Functional Alterations of Kidneys in Streptozocin-Induced Diabetic Rats. Academic Radiology, 2022, , .	1.3	0
1790	Mean kurtosis urve (MK urve) correction improves the test–retest reproducibility of diffusion kurtosis imaging at 3 T. NMR in Biomedicine, 2023, 36, .	1.6	3
1791	Spectral branch points of the Bloch–Torrey operator. Journal of Physics A: Mathematical and Theoretical, 2022, 55, 455201.	0.7	1
1793	High-resolution cortical MAP-MRI reveals areal borders and laminar substructures observed with histological staining. NeuroImage, 2022, 264, 119653.	2.1	10
1794	Umfassender Vergleich von CT, MRT, Positronen-Emissions-Tomographie oder Positronen-Emissions-Tomographie/CT und diffusionsgewichteter MRT zum Nachweis von Lymphknotenmetastasen bei Patientinnen mit Zervixkarzinom: Eine Metaanalyse von 67 Studien. Karger Kompass Onkologie 2018 5 80-93	0.0	0

#	Article	IF	CITATIONS
1795	Associations between abdominal adipose tissue, reproductive span, and brain characteristics in post-menopausal women. NeuroImage: Clinical, 2022, 36, 103239.	1.4	2
1796	Advanced Imaging of Pancreatic Neoplasms. , 2022, , 481-493.		0
1797	Diffusion kurtosis imaging in patients with tissue-negative transient ischemic attack. Frontiers in Neurology, 0, 13, .	1.1	2
1798	Applying MAP-MRI to Identify the WHO Grade and Main Genetic Features of Adult-type Diffuse Gliomas: A Comparison of Three Diffusion-weighted MRI Models. Academic Radiology, 2023, 30, 1238-1246.	1.3	7
1799	Advanced Magnetic Resonance Imaging Modalities for Breast Cancer Diagnosis: An Overview of Recent Findings and Perspectives. Diagnostics, 2022, 12, 2741.	1.3	5
1800	Prediction of outcomes by diffusion kurtosis imaging in patients with large (≥5 cm) hepatocellular carcinoma after liver resection: A retrospective study. Frontiers in Oncology, 0, 12, .	1.3	1
1801	Parameter estimation for WMTIâ€Watson model of white matter using encoder–decoder recurrent neural network. Magnetic Resonance in Medicine, 2023, 89, 1193-1206.	1.9	12
1802	Diagnostic performance of mono-exponential DWI versus diffusion kurtosis imaging in breast lesions: A meta-analysis. Medicine (United States), 2022, 101, e31574.	0.4	1
1803	Non-invasive evaluation of the pathological and functional characteristics of chronic kidney disease by diffusion kurtosis imaging and intravoxel incoherent motion imaging: comparison with conventional DWI. British Journal of Radiology, 2023, 96, .	1.0	7
1804	Diffusion kurtosis imaging and intravoxel incoherent motion imaging parameters in breast lesions: Effect of radiologists' experience and region-of-interest selection. European Journal of Radiology, 2023, 158, 110633.	1.2	1
1805	Improving Cognitive Function Through High-Intensity Interval Training in Breast Cancer Patients Undergoing Chemotherapy: Protocol for a Randomized Controlled Trial. JMIR Research Protocols, 0, 12, e39740.	0.5	1
1806	Diffusion kurtosis imaging as a biomarker of breast cancer. BJR Open, 2023, 5, .	0.4	0
1807	Diffusion kurtosis imaging and diffusion tensor imaging parameters applied to white matter and gray matter of patients with anti-N-methyl-D-aspartate receptor encephalitis. Frontiers in Neuroscience, 0, 16, .	1.4	3
1808	Microvascular invasion risk scores affect the estimation of early recurrence after resection in patients with hepatocellular carcinoma: a retrospective study. BMC Medical Imaging, 2022, 22, .	1.4	2
1809	Preoperative identification of cytokeratin 19 status of hepatocellular carcinoma based on diffusion kurtosis imaging. Abdominal Radiology, 2023, 48, 579-589.	1.0	7
1810	Topology of diffusion changes in corpus callosum in Alzheimer's disease: An exploratory case-control study. Frontiers in Neurology, 0, 13, .	1.1	3
1811	Truly reproducible uniform estimation of the <scp>ADC</scp> withÂmultiâ€b diffusion data— Application in prostate diffusion imaging. Magnetic Resonance in Medicine, 2023, 89, 1586-1600.	1.9	4
1813	COnstrained Reference frame diffusion TEnsor Correlation Spectroscopic (CORTECS) MRI: A practical framework for high-resolution diffusion tensor distribution imaging. Frontiers in Neuroscience, 0, 16, .	1.4	4

#	Article	IF	CITATIONS
1814	Advances in Imaging of Inflammation, Fibrosis, and Cancer in the Gastrointestinal Tract. International Journal of Molecular Sciences, 2022, 23, 16109.	1.8	7
1816	13. Observing Biological Information with Diffusion MRI. Japanese Journal of Radiological Technology, 2022, 78, 1466-1472.	0.0	0
1817	Diffusion Imaging of Sport-related Repetitive Head Impacts—A Systematic Review. Neuropsychology Review, 2023, 33, 122-143.	2.5	7
1818	Microenvironmental Factors in Oral Cavity Squamous Cell Carcinoma Undergoing Surgery: Correlation with Diffusion Kurtosis Imaging and Dynamic Contrast-Enhanced MRI. Cancers, 2023, 15, 15.	1.7	2
1820	Deep learning prediction of diffusion MRI data with microstructure-sensitive loss functions. Medical Image Analysis, 2023, 85, 102742.	7.0	1
1822	Intravoxel incoherent motion and diffusion kurtosis imaging at 3T MRI: Application to ischemic stroke. Magnetic Resonance Imaging, 2023, 99, 73-80.	1.0	0
1824	Role of advanced imaging techniques in the evaluation of oncological therapies in patients with colorectal liver metastases. World Journal of Gastroenterology, 0, 29, 521-535.	1.4	4
1825	Pancreatic Mass Characterization Using IVIM-DKI MRI and Machine Learning-Based Multi-Parametric Texture Analysis. Bioengineering, 2023, 10, 83.	1.6	2
1826	Differential value of diffusion kurtosis imaging and intravoxel incoherent motion in benign and malignant solitary pulmonary lesions. Frontiers in Oncology, 0, 12, .	1.3	0
1828	Comparison of Diffusion Kurtosis Imaging and Standard Mono-Exponential Apparent Diffusion Coefficient in Diagnosis of Significant Prostate Cancer—A Correlation with Gleason Score Assessed on Whole-Mount Histopathology Specimens. Diagnostics, 2023, 13, 173.	1.3	2
1829	Disrupted white matter microstructure correlates with impulsivity in children and adolescents with bipolar disorder. Journal of Psychiatric Research, 2023, 158, 71-80.	1.5	1
1830	Histogram analysis of breast diffusion kurtosis imaging: a comparison between readout-segmented and single-shot echo-planar imaging sequence. Quantitative Imaging in Medicine and Surgery, 2023, 13, 735-746.	1.1	0
1831	Fiber-specific structural properties relate to reading skills in children and adolescents. ELife, 0, 11, .	2.8	2
1832	Adult lifespan maturation and degeneration patterns in gray and white matter: A mean apparent propagator (MAP) MRI study. Neurobiology of Aging, 2023, 124, 104-116.	1.5	9
1833	Applications of advanced diffusion MRI in early brain development: a comprehensive review. Brain Structure and Function, 2023, 228, 367-392.	1.2	6
1834	Comparison of Dynamic Contrastâ€Enhanced MRI and Nonâ€Monoâ€Exponential Modelâ€Based Diffusionâ€Weighted Imaging for the Prediction of Prognostic Biomarkers and Molecular Subtypes of Breast Cancer Based on Radiomics. Journal of Magnetic Resonance Imaging, 2023, 58, 1590-1602.	1.9	3
1835	Structural Neuroimaging: From Macroscopic to Microscopic Scales. , 2023, , 2917-2951.		0
1838	A correlational study between microstructural, macrostructural and functional age-related changes in the human visual cortex. PLoS ONE, 2023, 18, e0266206.	1.1	0

#	Article	IF	CITATIONS
1839	A Multicompartmental Diffusion Model for Improved Assessment of Whole-Body Diffusion-weighted Imaging Data and Evaluation of Prostate Cancer Bone Metastases. Radiology Imaging Cancer, 2023, 5, .	0.7	1
1840	Diffusion Kurtosis Imaging in Evaluating the Mild Cognitive Impairment of Occupational Aluminum Workers. Academic Radiology, 2023, 30, 2225-2233.	1.3	Ο
1841	Insult to Short-range White Matter Connectivity in Childhood Brain Tumor Survivors. International Journal of Radiation Oncology Biology Physics, 2023, , .	0.4	0
1842	Texture analysis of diffusion kurtosis imaging for differentiating malignant from benign sinonasal lesions: added value to conventional imaging features. British Journal of Radiology, 2023, 96, .	1.0	0
1843	Model-free cluster analysis for multi-b-value diffusion-weighted imaging of the inferior alveolar nerve. Journal of Oral and Maxillofacial Radiology, 2023, 11, 16.	0.2	0
1844	Multiâ€parametric MRI for radiotherapy simulation. Medical Physics, 2023, 50, 5273-5293.	1.6	3
1845	The Value of Various Post-Processing Modalities of Diffusion Weighted Imaging in the Detection of Multiple Sclerosis. Brain Sciences, 2023, 13, 622.	1.1	2
1846	Spatially regularized low-rank tensor approximation for accurate and fast tractography. NeuroImage, 2023, 271, 120004.	2.1	1
1847	A review of quantitative diffusion-weighted MR imaging for breast cancer: Towards noninvasive biomarker. Clinical Imaging, 2023, 98, 36-58.	0.8	1
1848	Influence of adaptive denoising on Diffusion Kurtosis Imaging at 3T and 7T. Computer Methods and Programs in Biomedicine, 2023, 234, 107508.	2.6	Ο
1849	The association of dietary and nutrient patterns on neurocognitive decline: A systematic review of MRI and PET studies. Ageing Research Reviews, 2023, 87, 101892.	5.0	3
1850	Predicting neurodevelopmental outcomes from neonatal cortical microstructure: A conceptual replication study. NeuroImage Reports, 2023, 3, 100170.	0.5	1
1851	Negative emotion differentiation and white matter microstructure. Journal of Affective Disorders, 2023, 332, 238-246.	2.0	1
1853	IVIM-DKI with parametric reconstruction method for lymph node evaluation and characterization in lymphoma: A preliminary study comparison with FDG-PET/CT. Results in Engineering, 2023, 17, 100928.	2.2	2
1854	Microstructure of Brain Nuclei in Early Parkinson's Disease: Longitudinal Diffusion Kurtosis Imaging. Journal of Parkinson's Disease, 2023, 13, 233-242.	1.5	1
1855	Role of diffusion kurtosis imaging in evaluating microstructural changes in spinal cord of patients with cervical spondylosis. European Spine Journal, 2023, 32, 986-993.	1.0	0
1856	Evaluating the renal mild tubulointerstitial damage and renal function in IgAN patients: a comparative study based on diffusion kurtosis imaging and diffusion tensor imaging. Abdominal Radiology, 2023, 48, 1350-1362.	1.0	1
1857	Microstructural alterations in different types of lesions and their perilesional white matter in relapsing-remitting multiple sclerosis based on diffusion kurtosis imaging. Multiple Sclerosis and Related Disorders, 2023, 71, 104572.	0.9	1

#	Article	IF	CITATIONS
1858	Standard diffusion-weighted, diffusion kurtosis and intravoxel incoherent motion in differentiating invasive placentas. Archives of Gynecology and Obstetrics, 2024, 309, 503-514.	0.8	1
1859	The road to breast cancer screening with diffusion MRI. Frontiers in Oncology, 0, 13, .	1.3	5
1860	Neurochemical and microstructural alterations in bipolar and depressive disorders: A multimodal magnetic resonance imaging study. Frontiers in Neurology, 0, 14, .	1.1	2
1861	Column-based cortical depth analysis of the diffusion anisotropy and radiality in submillimeter whole-brain diffusion tensor imaging of the human cortical gray matter in vivo. NeuroImage, 2023, 270, 119993.	2.1	2
1862	Neuromodulation for treatment-resistant depression: Functional network targets contributing to antidepressive outcomes. Frontiers in Human Neuroscience, 0, 17, .	1.0	5
1864	Amide Proton Transfer-Weighted Imaging Combined with ZOOMit Diffusion Kurtosis Imaging in Predicting Lymph Node Metastasis of Cervical Cancer. Bioengineering, 2023, 10, 331.	1.6	2
1865	Estimation of free water-corrected microscopic fractional anisotropy. Frontiers in Neuroscience, 0, 17, .	1.4	1
1866	Optic radiations representing different eccentricities age differently. Human Brain Mapping, 2023, 44, 3123-3135.	1.9	1
1867	Technical Advancements in Abdominal Diffusion-weighted Imaging. Magnetic Resonance in Medical Sciences, 2023, 22, 191-208.	1.1	1
1868	Microstructural and Microvascular Alterations in Psychotic Spectrum Disorders: A Three-Compartment Intravoxel Incoherent Imaging and Free Water Model. Schizophrenia Bulletin, 0, , .	2.3	0
1869	Multiâ€readout DWI with a reduced <scp>FOV</scp> for studying the coupling between diffusion and T2* relaxation in the prostate. Magnetic Resonance in Medicine, 2023, 90, 250-258.	1.9	0
1870	Cardiac qâ€space trajectory imaging by motionâ€compensated tensorâ€valued diffusion encoding in human heart in vivo. Magnetic Resonance in Medicine, 2023, 90, 150-165.	1.9	0
1871	Ablation of <i>Mea6/cTAGE5</i> in oligodendrocytes significantly impairs white matter structure and lipid content. , 2023, 2, .		2
1872	Application of diffusion kurtosis imaging in neonatal brain development. Frontiers in Pediatrics, 0, 11, .	0.9	2
1875	The Use of Diffusion Kurtosis Imaging for the Differential Diagnosis of Alzheimer's Disease Spectrum. Brain Sciences, 2023, 13, 595.	1.1	2
1876	Editorial for "Intra―and Interâ€Reproducibility of Breast <scp>DWI</scp> and <scp>DKI</scp> : <scp>Readoutâ€Segmented</scp> Versus <scp>Singleâ€Shot Echoâ€Planar</scp> Imaging― Journal of Magnetic Resonance Imaging, 0, , .	1.9	0
1877	Automated three-dimensional major white matter bundle segmentation using diffusion magnetic resonance imaging. Anatomical Science International, 0, , .	0.5	3
1878	Peculiarities of the Application of Diffusion-Curtosis MRI in the Differential Diagnosis of Glial Brain Tumors and Solitary Metastasis. Journal of Oncology Diagnostic Radiology and Radiotherapy, 2023, 6, 26-40.	0.1	2

ARTICLE IF CITATIONS Diffusion-weighted MRI for predicting and assessing treatment response of liver metastases from CRC 1879 1.2 2 \hat{a} €" A systematic review and meta-analysis. European Journal of Radiology, 2023, 163, 110810. Functional and Molecular Imaging Techniques., 2023, , 15-26. Sensitivity and specificity of diffusion MRI to neuroinflammatory processes. Advances in Magnetic 1882 0.0 2 Resonance Technology and Applications, 2023, , 31-50. The effects of cytomegalovirus on brain structure following sport-related concussion. Brain, 2023, 146, 4262-4273. Higher order diffusion imaging as a putative index of human sleep-related microstructural changes 1884 2.15 and glymphatic clearance. NeuroImage, 2023, 274, 120124. Artificial intelligence for diffusion MRI-based tissue microstructure estimation in the human brain: an 1885 1.1 overview. Frontiers in Neurology, 0, 14, . Feasibility of in vivo multi-parametric quantitative magnetic resonance imaging of the healthy sciatic 1886 1.6 1 nerve with a unified signal readout protocol. Scientific Reports, 2023, 13, . Diffusion Tensor Magnetic Resonance Imaging â€^e Physical Principles. , 2023, , 903-932. 1892 Advanced Diffusion Imaging in Neuroradiology., 2023, 933-947. 0 1893 Contribution of neuroimaging studies to the understanding of immunology and inflammation in epilepsy., 2023, , 411-423 Structural network construction using diffusion MRI., 2023, , 25-44. 1917 0 A Deep Learning Framework for Estimating Multi-Fiber PICASO Model Parameters of Tissue 1930 Microstructure Using Diffusion MRI., 2023,,. Towards Accurate Microstructure Estimation viaÂ3D Hybrid Graph Transformer. Lecture Notes in 1949 1.0 0 Computer Science, 2023, , 25-34. Imaging advances in efficacy assessment of gastric cancer neoadjuvant chemotherapy. Abdominal 1.0 Radiology, 2023, 48, 3661-3676. 1954 Diffusion-Weighted Imaging. Use R!, 2023, , 85-153. 0.30 White matter changes in Parkinson's disease. Npj Parkinson's Disease, 2023, 9, . 1961 Conventional and advanced magnetic resonance imaging for degenerative cervical myelopathy., 2023,, 2003 0 101-111. Advanced Diffusion MRI Modeling Sheds Light onÂFLAIR White Matter Hyperintensities inÂanÂAging Cohort. Lecture Notes in Computer Science, 2023, , 192-203.

ARTICLE

IF CITATIONS