Ek T. Tan

List of Publications by Year
in descending order

53 papers	1,067 citations	516215 16 h-index	454577 30 g-index
54 all docs	54 docs citations	54 times ranked	1356 citing authors

#	Article	IF	Citations
1	The predictive value of psoas and paraspinal muscle parameters measured on MRI for severe cage subsidence after standalone lateral lumbar interbody fusion. Spine Journal, 2023, 23, 42-53.	0.6	14
2	Diffusion MRI fiber diameter for muscle denervation assessment. Quantitative Imaging in Medicine and Surgery, 2022, 12, 80-94.	1.1	10
3	Improvement of peripheral nerve visualization using a deep learning-based MR reconstruction algorithm. Magnetic Resonance Imaging, 2022, 85, 186-192.	1.0	27
4	Long-Term Stability of Gradient Characteristics Warrants Model-Based Correction of Diffusion Weighting Bias. Tomography, 2022, 8, 364-375.	0.8	3
5	Quantitative <scp>MRI</scp> Differentiates Electromyography Severity Grades of Denervated Muscle in Neuropathy of the Brachial Plexus. Journal of Magnetic Resonance Imaging, 2022, 56, 1104-1115.	1.9	11
6	Evaluation of deep learning reconstructed high-resolution 3D lumbar spine MRI. European Radiology, 2022, 32, 6167-6177.	2.3	26
7	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
8	Denoising and Multiple Tissue Compartment Visualization of Multiâ€bâ€Valued Breast Diffusion <scp>MRI</scp>. Journal of Magnetic Resonance Imaging, 2021, 53, spcone.	1.9	0
9	Quantitative <scp>T₂</scp>â€mapping magnetic resonance imaging for assessment of muscle motor unit recruitment patterns. Muscle and Nerve, 2021, 63, 703-709.	1.0	8
10	Ferumoxytol-enhanced vascular suppression in magnetic resonance neurography. Skeletal Radiology, 2021, 50, 2255-2266.	1.2	8
11	Empirical validation of gradient field models for an accurate ADC measured on clinical 3T MR systems in body oncologic applications. Physica Medica, 2021, 86, 113-120.	0.4	6
12	Improved nerve conspicuity with water-weighting and denoising in two-point Dixon magnetic resonance neurography. Magnetic Resonance Imaging, 2021, 79, 103-111.	1.0	4
13	3D MRI of the Spine. Seminars in Musculoskeletal Radiology, 2021, 25, 433-440.	0.4	7
14	MR Neurography of Peripheral Nerve Injury in the Presence of Orthopedic Hardware: Technical Considerations. Radiology, 2021, 300, 246-259.	3.6	19
15	Stretchable self-tuning MRI receive coils based on liquid metal technology (LiquiTune). Scientific Reports, 2021, 11, 16228.	1.6	14
16	99. The association of spinal lean muscle volume on lumbar spine MRI and regional volumetric bone mineral density measured by quantitative computed tomography. Spine Journal, 2021, 21, S48-S49.	0.6	0
17	Distortionâ€free imaging: A double encoding method (DIADEM) combined with multiband imaging for rapid distortionâ€free highâ€resolution diffusion imaging on a compact 3T with highâ€performance gradients. Journal of Magnetic Resonance Imaging, 2020, 51, 296-310.	1.9	15
18	Peripheral nerve stimulation limits of a high amplitude and slew rate magnetic field gradient coil for neuroimaging. Magnetic Resonance in Medicine, 2020, 83, 352-366.	1.9	26

#	Article	IF	Citations
19	Denoising of diffusion MRI improves peripheral nerve conspicuity and reproducibility. Journal of Magnetic Resonance Imaging, 2020, 51, 1128-1137.	1.9	9
20	Highly efficient headâ€only magnetic field insert gradient coil for achieving simultaneous high gradient amplitude and slew rate at 3.0T (MAGNUS) for brain microstructure imaging. Magnetic Resonance in Medicine, 2020, 83, 2356-2369.	1.9	63
21	Post-Contrast 3D Inversion Recovery Magnetic Resonance Neurography for Evaluation of Branch Nerves of the Brachial Plexus. European Journal of Radiology, 2020, 132, 109304.	1.2	23
22	Can Quantitative MRI Be Used to Differentiate Physiologic Changes Behind Muscle Weakness in Type 2 Diabetes Mellitus?. Radiology, 2020, 297, 620-621.	3.6	2
23	Editorial for â€œQuantitative MRI Reveals Microstructural Changes in the Upper Leg Muscles After Running a Marathonâ€. Journal of Magnetic Resonance Imaging, 2020, 52, 418-419.	1.9	0
24	Evaluation of self-calibrated non-linear phase-contrast correction in pediatric and congenital cardiovascular magnetic resonance imaging. Pediatric Radiology, 2020, 50, 656-663.	1.1	0
25	Oscillating diffusionâ€encoding with a high gradientâ€amplitude and high slewâ€rate headâ€only gradient for human brain imaging. Magnetic Resonance in Medicine, 2020, 84, 950-965.	1.9	22
26	Retrospective Correction of ADC for Gradient Nonlinearity Errors in Multicenter Breast DWI Trials: ACRIN6698 Multiplatform Feasibility Study. Tomography, 2020, 6, 86-92.	0.8	8
27	Diffusion kurtosis and quantitative susceptibility mapping MRI are sensitive to structural abnormalities in amyotrophic lateral sclerosis. NeuroImage: Clinical, 2019, 24, 101953.	1.4	29
28	Lightweight, compact, and highâ€performance 3<scp>T MR</scp> system for imaging the brain and extremities. Magnetic Resonance in Medicine, 2018, 80, 2232-2245.	1.9	70
29	Peripheral nerve diffusion tensor imaging: Overview, pitfalls, and future directions. Journal of Magnetic Resonance Imaging, 2018, 47, 1171-1189.	1.9	76
30	Reduced acoustic noise in diffusion tensor imaging on a compact <scp>MRI</scp> system. Magnetic Resonance in Medicine, 2018, 79, 2902-2911.	1.9	6
31	Investigation of superior longitudinal fasciculus fiber complexity in recent onset psychosis. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2018, 81, 114-121.	2.5	13
32	Improving apparent diffusion coefficient accuracy on a compact 3T MRI scanner using gradient nonlinearity correction. Journal of Magnetic Resonance Imaging, 2018, 48, 1498-1507.	1.9	13
33	Modelâ€based denoising in diffusionâ€weighted imaging using generalized spherical deconvolution. Magnetic Resonance in Medicine, 2017, 78, 2428-2438.	1.9	15
34	403. Investigation of Superior Longitudinal Fasciculus Fiber Complexity in Recent-Onset Psychosis. Biological Psychiatry, 2017, 81, S164-S165.	0.7	0
35	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
36	Distortion correction in diffusionâ€weighted imaging of the breast: Performance assessment of prospective, retrospective, and combined (prospectiveâ€‰+â€‰retrospective) approaches. Magnetic Resonance in Medicine, 2017, 78, 247-253.	1.9	28

#	Article	IF	Citations
37	Peripheral nerve stimulation characteristics of an asymmetric headâ€only gradient coil compatible with a highâ€channelâ€count receiver array. Magnetic Resonance in Medicine, 2016, 76, 1939-1950.	1.9	55
38	Bias and precision analysis of diffusional kurtosis imaging for different acquisition schemes. Magnetic Resonance in Medicine, 2016, 76, 1684-1696.	1.9	14
39	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
40	Gradient nonlinearity correction to improve apparent diffusion coefficient accuracy and standardization in the american college of radiology imaging network 6698 breast cancer trial. Journal of Magnetic Resonance Imaging, 2015, 42, 908-919.	1.9	53
41	Multiâ€directional anisotropy from diffusion orientation distribution functions. Journal of Magnetic Resonance Imaging, 2015, 41, 841-850.	1.9	12
42	A Combined CFD/MRV Study of Flow Through a Pin Bank. , 2014, , .		5
43	Dynamic slice-dependent shim and center frequency update in 3 T breast diffusion weighted imaging. Magnetic Resonance in Medicine, 2014, 71, 1813-1818.	1.9	28
44	Joint Super-Resolution Using Only One Anisotropic Low-Resolution Image per q-Space Coordinate. Mathematics and Visualization, 2014, , 181-191.	0.4	2
45	Brain tumor segmentation with symmetric texture and symmetric intensity-based decision forests. , 2013, 2013, 748-751.		17
46	iSTAPLE: improved label fusion for segmentation by combining STAPLE with image intensity. Proceedings of SPIE, 2013, 8669, .	0.8	9
47	Improved correction for gradient nonlinearity effects in diffusionâ€weighted imaging. Journal of Magnetic Resonance Imaging, 2013, 38, 448-453.	1.9	68
48	Deformable Atlas for Multi-structure Segmentation. Lecture Notes in Computer Science, 2013, 16, 743-750.	1.0	1
49	Accelerated diffusion spectrum imaging in the human brain using compressed sensing. Magnetic Resonance in Medicine, 2011, 66, 1226-1233.	1.9	114
50	Fast inversion recovery magnetic resonance angiography of the intracranial arteries. Magnetic Resonance in Medicine, 2010, 63, 1648-1658.	1.9	9
51	Inversion recovery with embedded selfâ€calibration (IRES). Magnetic Resonance in Medicine, 2009, 62, 459-467.	1.9	1
52	In Vivo Three-Dimensional Displacement of the Distal Radioulnar Joint During Resisted Forearm Rotation. Journal of Hand Surgery, 2007, 32, 450-458.	0.7	31
53	Computationally inexpensive and effective scheme for automatic transcription of polyphonic music. , 0, , .		1