

Jan S Kirschke

List of Publications by Year in descending order

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295
papers

8,008
citations

50170

46
h-index

91712

69
g-index

303
all docs

303
docs citations

303
times ranked

8711
citing authors

#	ARTICLE	IF	CITATIONS
1	Gray matter atrophy in relapsing-remitting multiple sclerosis is associated with white matter lesions in connecting fibers. <i>Multiple Sclerosis Journal</i> , 2022, 28, 900-909.	1.4	4
2	MR-based proton density fat fraction (PDFF) of the vertebral bone marrow differentiates between patients with and without osteoporotic vertebral fractures. <i>Osteoporosis International</i> , 2022, 33, 487-496.	1.3	18
3	Automated detection of the contrast phase in MDCT by an artificial neural network improves the accuracy of opportunistic bone mineral density measurements. <i>European Radiology</i> , 2022, 32, 1465-1474.	2.3	11
4	Epidemiology and reporting of osteoporotic vertebral fractures in patients with long-term hospital records based on routine clinical CT imaging. <i>Osteoporosis International</i> , 2022, 33, 685-694.	1.3	9
5	Anatomy-Aware Inference of the 3D Standing Spine Posture from 2D Radiographs. <i>Tomography</i> , 2022, 8, 479-496.	0.8	2
6	Low-dose multi-detector computed tomography for periradicular infiltrations at the cervical and lumbar spine. <i>Scientific Reports</i> , 2022, 12, 4324.	1.6	3
7	Proposed diagnostic volumetric bone mineral density thresholds for osteoporosis and osteopenia at the cervicothoracic spine in correlation to the lumbar spine. <i>European Radiology</i> , 2022, 32, 6207-6214.	2.3	12
8	Multi-scanner and multi-modal lumbar vertebral body and intervertebral disc segmentation database. <i>Scientific Data</i> , 2022, 9, 97.	2.4	6
9	Multiple sclerosis lesions and atrophy in the spinal cord: Distribution across vertebral levels and correlation with disability. <i>NeuroImage: Clinical</i> , 2022, 34, 103006.	1.4	11
10	Uncertainty-Aware and Lesion-Specific Image Synthesis in Multiple Sclerosis Magnetic Resonance Imaging: A Multicentric Validation Study. <i>Frontiers in Neuroscience</i> , 2022, 16, 889808.	1.4	4
11	Imaging of the Osteoporotic Spine – Quantitative Approaches in Diagnostics and for the Prediction of the Individual Fracture Risk. <i>RoFo Fortschritte Auf Dem Gebiet Der Röntgenstrahlen Und Der Bildgebenden Verfahren</i> , 2022, 194, 1088-1099.	0.7	6
12	A large, curated, open-source stroke neuroimaging dataset to improve lesion segmentation algorithms. <i>Scientific Data</i> , 2022, 9, .	2.4	33
13	Patient-Specific Finite Element Modeling of the Whole Lumbar Spine Using Clinical Routine Multi-Detector Computed Tomography (MDCT) Data – A Pilot Study. <i>Biomedicines</i> , 2022, 10, 1567.	1.4	4
14	Super-selective ASL and 4D ASL-based MR Angiography in a Patient with Moyamoya Disease. <i>Clinical Neuroradiology</i> , 2021, 31, 515-519.	1.0	6
15	Simulation Training in Neuroangiography – Validation and Effectiveness. <i>Clinical Neuroradiology</i> , 2021, 31, 465-473.	1.0	18
16	MRI-Based Quantitative Osteoporosis Imaging at the Spine and Femur. <i>Journal of Magnetic Resonance Imaging</i> , 2021, 54, 12-35.	1.9	61
17	T1-Weighted Intensity Increase After a Single Administration of a Linear Gadolinium-Based Contrast Agent in Multiple Sclerosis. <i>Clinical Neuroradiology</i> , 2021, 31, 235-243.	1.0	4
18	Novel Ultrafast Spiral Head MR Angiography Compared to Standard MR and CT Angiography. <i>Journal of Neuroimaging</i> , 2021, 31, 45-56.	1.0	11

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19	A short history of thrombectomy â€œ Procedure and success analysis of different endovascular stroke treatment techniques. <i>Interventional Neuroradiology</i> , 2021, 27, 249-256.	0.7	8
20	MRâ€imaging by 3D T1-weighted black blood sequences may improve delineation of therapy-naive high-grade gliomas. <i>European Radiology</i> , 2021, 31, 2312-2320.	2.3	8
21	Opportunistic osteoporosis screening: contrast-enhanced dual-layer spectral CT provides accurate measurements of vertebral bone mineral density. <i>European Radiology</i> , 2021, 31, 3147-3155.	2.3	15
22	Low-dose MDCT: evaluation of the impact of systematic tube current reduction and sparse sampling on the detection of degenerative spine diseases. <i>European Radiology</i> , 2021, 31, 2590-2600.	2.3	6
23	Improved Reliability of Automated ASPECTS Evaluation Using Iterative Model Reconstruction from Head CT Scans. <i>Journal of Neuroimaging</i> , 2021, 31, 341-347.	1.0	6
24	Spine surgery in pregnant women: a multicenter case series and proposition of treatment algorithm. <i>European Spine Journal</i> , 2021, 30, 809-817.	1.0	5
25	Automatic opportunistic osteoporosis screening in routine CT: improved prediction of patients with prevalent vertebral fractures compared to DXA. <i>European Radiology</i> , 2021, 31, 6069-6077.	2.3	50
26	Local Bone Mineral Density, Subcutaneous and Visceral Adipose Tissue Measurements in Routine Multi Detector Computed Tomographyâ€Which Parameter Predicts Incident Vertebral Fractures Best?. <i>Diagnostics</i> , 2021, 11, 240.	1.3	4
27	Texture Features of Proton Density Fat Fraction Maps from Chemical Shift Encoding-Based MRI Predict Paraspinal Muscle Strength. <i>Diagnostics</i> , 2021, 11, 239.	1.3	8
28	Association of Thigh Muscle Strength with Texture Features Based on Proton Density Fat Fraction Maps Derived from Chemical Shift Encoding-Based Waterâ€Fat MRI. <i>Diagnostics</i> , 2021, 11, 302.	1.3	2
29	MDCT-Based Finite Element Analyses: Are Measurements at the Lumbar Spine Associated with the Biomechanical Strength of Functional Spinal Units of Incidental Osteoporotic Fractures along the Thoracolumbar Spine?. <i>Diagnostics</i> , 2021, 11, 455.	1.3	5
30	Occult Disco-Ligamentous Lesions of the Subaxial c-Spineâ€A Comparison of Preoperative Imaging Findings and Intraoperative Site Inspection. <i>Diagnostics</i> , 2021, 11, 447.	1.3	6
31	Implementation of a sagittal T2-weighted DIXON turbo spin-echo sequence may shorten MRI acquisitions in the emergency setting of suspected spinal bleeding. <i>European Radiology Experimental</i> , 2021, 5, 19.	1.7	3
32	Low-Dose MDCT of Patients With Spinal Instrumentation Using Sparse Sampling: Impact on Metal Artifacts. <i>American Journal of Roentgenology</i> , 2021, 216, 1308-1317.	1.0	5
33	Pre-contrast T1-weighted imaging of the spinal cord may be unnecessary in patients with multiple sclerosis. <i>European Radiology</i> , 2021, 31, 9316-9323.	2.3	0
34	Fully automated analysis combining [18F]-FET-PET and multiparametric MRI including DSC perfusion and APTw imaging: a promising tool for objective evaluation of glioma progression. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 4445-4455.	3.3	19
35	Regional variation of thigh muscle fat infiltration in patients with neuromuscular diseases compared to healthy controls. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021, 11, 2610-2621.	1.1	7
36	Quantitative Muscle MRI in Patients with Neuromuscular Diseasesâ€Association of Muscle Proton Density Fat Fraction with Semi-Quantitative Grading of Fatty Infiltration and Muscle Strength at the Thigh Region. <i>Diagnostics</i> , 2021, 11, 1056.	1.3	9

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37	Structured Reporting of Acute Ischemic Stroke – Consensus-Based Reporting Templates for Non-Contrast Cranial Computed Tomography, CT Angiography, and CT Perfusion. <i>RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren</i> , 2021, 193, 1315-1317.	0.7	1
38	Low-dose MDCT: evaluation of the impact of systematic tube current reduction and sparse sampling on quantitative paraspinal muscle assessment. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021, 11, 3042-3050.	1.1	0
39	Multi-detector computed tomography (MDCT) imaging: association of bone texture parameters with finite element analysis (FEA)-based failure load of single vertebrae and functional spinal units. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021, 11, 2955-2967.	1.1	3
40	Prediction of incident vertebral fractures in routine MDCT: Comparison of global texture features, 3D finite element parameters and volumetric BMD. <i>European Journal of Radiology</i> , 2021, 141, 109827.	1.2	6
41	AI for Doctors – A Course to Educate Medical Professionals in Artificial Intelligence for Medical Imaging. <i>Healthcare (Switzerland)</i> , 2021, 9, 1278.	1.0	16
42	VerSe: A Vertebrae labelling and segmentation benchmark for multi-detector CT images. <i>Medical Image Analysis</i> , 2021, 73, 102166.	7.0	112
43	AlFNet: Automatic vascular function estimation for perfusion analysis using deep learning. <i>Medical Image Analysis</i> , 2021, 74, 102211.	7.0	10
44	Effect of MRI acquisition acceleration via compressed sensing and parallel imaging on brain volumetry. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2021, 34, 487-497.	1.1	12
45	CT-like images based on T1 spoiled gradient-echo and ultra-short echo time MRI sequences for the assessment of vertebral fractures and degenerative bone changes of the spine. <i>European Radiology</i> , 2021, 31, 4680-4689.	2.3	35
46	Prediction of Incidental Osteoporotic Fractures at Vertebral-Specific Level Using 3D Non-Linear Finite Element Parameters Derived from Routine Abdominal MDCT. <i>Diagnostics</i> , 2021, 11, 208.	1.3	9
47	Bi-allelic truncating mutations in <i>VWA1</i> cause neuromyopathy. <i>Brain</i> , 2021, 144, 574-583.	3.7	16
48	MDCT-Based Finite Element Analysis for the Prediction of Functional Spine Unit Strength – An In Vitro Study. <i>Materials</i> , 2021, 14, 5791.	1.3	2
49	Association of Cervical and Lumbar Paraspinal Muscle Composition Using Texture Analysis of MR-Based Proton Density Fat Fraction Maps. <i>Diagnostics</i> , 2021, 11, 1929.	1.3	3
50	A computed tomography vertebral segmentation dataset with anatomical variations and multi-vendor scanner data. <i>Scientific Data</i> , 2021, 8, 284.	2.4	22
51	Impact of dose reduction and iterative model reconstruction on multi-detector CT imaging of the brain in patients with suspected ischemic stroke. <i>Scientific Reports</i> , 2021, 11, 22271.	1.6	5
52	Texture Analysis Using CT and Chemical Shift Encoding-Based Water-Fat MRI Can Improve Differentiation Between Patients With and Without Osteoporotic Vertebral Fractures. <i>Frontiers in Endocrinology</i> , 2021, 12, 778537.	1.5	8
53	Gender-, Age- and Region-Specific Characterization of Vertebral Bone Microstructure Through Automated Segmentation and 3D Texture Analysis of Routine Abdominal CT. <i>Frontiers in Endocrinology</i> , 2021, 12, 792760.	1.5	7
54	Robust, Primitive, and Unsupervised Quality Estimation for Segmentation Ensembles. <i>Frontiers in Neuroscience</i> , 2021, 15, 752780.	1.4	4

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55	Tracking the Corticospinal Tract in Patients With High-Grade Glioma: Clinical Evaluation of Multi-Level Fiber Tracking and Comparison to Conventional Deterministic Approaches. <i>Frontiers in Oncology</i> , 2021, 11, 761169.	1.3	6
56	MRI criteria of subtypes of adenomas and epithelial cysts of the pituitary gland. <i>Neurosurgical Review</i> , 2020, 43, 265-272.	1.2	5
57	Magnetic Resonance Imaging of the Brain Using Compressed Sensing – Quality Assessment in Daily Clinical Routine. <i>Clinical Neuroradiology</i> , 2020, 30, 279-286.	1.0	22
58	Systematic Evaluation of Low-dose MDCT for Planning Purposes of Lumbosacral Periradicular Infiltrations. <i>Clinical Neuroradiology</i> , 2020, 30, 749-759.	1.0	6
59	X-ray-based quantitative osteoporosis imaging at the spine. <i>Osteoporosis International</i> , 2020, 31, 233-250.	1.3	68
60	Highly accelerated time-of-flight magnetic resonance angiography using spiral imaging improves conspicuity of intracranial arterial branches while reducing scan time. <i>European Radiology</i> , 2020, 30, 855-865.	2.3	20
61	Effect of the intervertebral disc on vertebral bone strength prediction: a finite-element study. <i>Spine Journal</i> , 2020, 20, 665-671.	0.6	22
62	C1–C2 posterior screw fixation in atlantoaxial fractures revisited: technical update based on 127 cases. <i>European Spine Journal</i> , 2020, 29, 1036-1042.	1.0	9
63	Water T2 Mapping in Fatty Infiltrated Thigh Muscles of Patients With Neuromuscular Diseases Using a T2 –Prepared 3D Turbo Spin Echo With SPAIR. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 51, 1727-1736.	1.9	13
64	Opportunistic QCT Bone Mineral Density Measurements Predicting Osteoporotic Fractures: A Use Case in a Prospective Clinical Cohort. <i>Frontiers in Endocrinology</i> , 2020, 11, 586352.	1.5	16
65	Imaging of the degenerative spine using a sagittal T2-weighted DIXON turbo spin-echo sequence. <i>European Journal of Radiology</i> , 2020, 131, 109204.	1.2	14
66	Finite Element Analysis-Based Vertebral Bone Strength Prediction Using MDCT Data: How Low Can We Go?. <i>Frontiers in Endocrinology</i> , 2020, 11, 442.	1.5	7
67	A Vertebral Segmentation Dataset with Fracture Grading. <i>Radiology: Artificial Intelligence</i> , 2020, 2, e190138.	3.0	71
68	Gadolinium-Enhanced 3D T1-Weighted Black-Blood MR Imaging for the Detection of Acute Optic Neuritis. <i>American Journal of Neuroradiology</i> , 2020, 41, 2333-2338.	1.2	4
69	Subtraction Maps Derived from Longitudinal Magnetic Resonance Imaging in Patients with Glioma Facilitate Early Detection of Tumor Progression. <i>Cancers</i> , 2020, 12, 3111.	1.7	7
70	DeepVesselNet: Vessel Segmentation, Centerline Prediction, and Bifurcation Detection in 3-D Angiographic Volumes. <i>Frontiers in Neuroscience</i> , 2020, 14, 592352.	1.4	83
71	Vertebral Bone Marrow Heterogeneity Using Texture Analysis of Chemical Shift Encoding-Based MRI: Variations in Age, Sex, and Anatomical Location. <i>Frontiers in Endocrinology</i> , 2020, 11, 555931.	1.5	14
72	Labeling Vertebrae with Two-dimensional Reformations of Multidetector CT Images: An Adversarial Approach for Incorporating Prior Knowledge of Spine Anatomy. <i>Radiology: Artificial Intelligence</i> , 2020, 2, e190074.	3.0	26

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73	Diffusion tensor imaging and tractography for preoperative assessment of benign peripheral nerve sheath tumors. <i>European Journal of Radiology</i> , 2020, 129, 109110.	1.2	8
74	Age- and BMI-related variations of fat distribution in sacral and lumbar bone marrow and their association with local muscle fat content. <i>Scientific Reports</i> , 2020, 10, 9686.	1.6	8
75	Assessment of the Extent of Resection in Surgery of High-Grade Glioma—Evaluation of Black Blood Sequences for Intraoperative Magnetic Resonance Imaging at 3 Tesla. <i>Cancers</i> , 2020, 12, 1580.	1.7	6
76	Magnetic resonance neurography of the lumbosacral plexus at 3 Tesla — CSF-suppressed imaging with submillimeter resolution by a three-dimensional turbo spin echo sequence. <i>Magnetic Resonance Imaging</i> , 2020, 71, 132-139.	1.0	2
77	Regional variation in paraspinal muscle composition using chemical shift encoding-based water-fat MRI. <i>Quantitative Imaging in Medicine and Surgery</i> , 2020, 10, 496-507.	1.1	5
78	Low-dose and sparse sampling MDCT-based femoral bone strength prediction using finite element analysis. <i>Archives of Osteoporosis</i> , 2020, 15, 17.	1.0	11
79	Age- and gender-related variations of cervical muscle composition using chemical shift encoding-based water-fat MRI. <i>European Journal of Radiology</i> , 2020, 125, 108904.	1.2	8
80	Assessment of paraspinal muscle characteristics, lumbar BMD, and their associations in routine multi-detector CT of patients with and without osteoporotic vertebral fractures. <i>European Journal of Radiology</i> , 2020, 125, 108867.	1.2	13
81	BraTS Toolkit: Translating BraTS Brain Tumor Segmentation Algorithms Into Clinical and Scientific Practice. <i>Frontiers in Neuroscience</i> , 2020, 14, 125.	1.4	50
82	T2 mapping of the distal sciatic nerve in healthy subjects and patients suffering from lumbar disc herniation with nerve compression. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2020, 33, 713-724.	1.1	10
83	Association of thigh and paraspinal muscle composition in young adults using chemical shift encoding-based water-fat MRI. <i>Quantitative Imaging in Medicine and Surgery</i> , 2020, 10, 128-136.	1.1	5
84	Image Analysis Reveals Microstructural and Volumetric Differences in Glioblastoma Patients with and without Preoperative Seizures. <i>Cancers</i> , 2020, 12, 994.	1.7	4
85	Cognitive impairment in early MS: contribution of white matter lesions, deep grey matter atrophy, and cortical atrophy. <i>Journal of Neurology</i> , 2020, 267, 2307-2318.	1.8	23
86	Predicting Vertebral Bone Strength Using Finite Element Analysis for Opportunistic Osteoporosis Screening in Routine Multidetector Computed Tomography Scans—A Feasibility Study. <i>Frontiers in Endocrinology</i> , 2020, 11, 526332.	1.5	11
87	Opportunistic Osteoporosis Screening Reveals Low Bone Density in Patients With Screw Loosening After Lumbar Semi-Rigid Instrumentation: A Case-Control Study. <i>Frontiers in Endocrinology</i> , 2020, 11, 552719.	1.5	21
88	Grading Loss: A Fracture Grade-Based Metric Loss for Vertebral Fracture Detection. <i>Lecture Notes in Computer Science</i> , 2020, , 733-742.	1.0	15
89	Simulation Training in Neuroangiography: Transfer to Reality. <i>CardioVascular and Interventional Radiology</i> , 2020, 43, 1184-1191.	0.9	6
90	Association of quadriceps muscle, gluteal muscle, and femoral bone marrow composition using chemical shift encoding-based water-fat MRI: a preliminary study in healthy young volunteers. <i>European Radiology Experimental</i> , 2020, 4, 35.	1.7	0

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91	Automated Opportunistic Osteoporosis Screening in Routine Computed Tomography of the Spine: Comparison With Dedicated Quantitative CT. <i>Journal of Bone and Mineral Research</i> , 2020, 37, 1287-1296.	3.1	16
92	Improved Brachial Plexus Visualization Using an Adiabatic iMSDE-Prepared STIR 3D TSE. <i>Clinical Neuroradiology</i> , 2019, 29, 631-638.	1.0	25
93	Consistency of normalized cerebral blood volume values in glioblastoma using different leakage correction algorithms on dynamic susceptibility contrast magnetic resonance imaging data without and with preload. <i>Journal of Neuroradiology</i> , 2019, 46, 44-51.	0.6	17
94	MDCT-based Finite Element Analysis of Vertebral Fracture Risk: What Dose is Needed?. <i>Clinical Neuroradiology</i> , 2019, 29, 645-651.	1.0	11
95	Association of paraspinal muscle water-fat MRI-based measurements with isometric strength measurements. <i>European Radiology</i> , 2019, 29, 599-608.	2.3	66
96	A Radiomics Approach to Traumatic Brain Injury Prediction in CT Scans. , 2019, , .		7
97	Vertebral bone marrow fat fraction changes in postmenopausal women with breast cancer receiving combined aromatase inhibitor and bisphosphonate therapy. <i>BMC Musculoskeletal Disorders</i> , 2019, 20, 515.	0.8	4
98	Prognostic value of white matter lesion shrinking in early multiple sclerosis: An intuitive or naïve notion?. <i>Brain and Behavior</i> , 2019, 9, e01417.	1.0	8
99	Robust and parallel scalable iterative solutions for large-scale finite cell analyses. <i>Finite Elements in Analysis and Design</i> , 2019, 163, 14-30.	1.7	37
100	CSF Protein Concentration Shows No Correlation With Brain Volume Measures. <i>Frontiers in Neurology</i> , 2019, 10, 463.	1.1	1
101	Retrospective distortion correction of diffusion tensor imaging data by semi-elastic image fusion - Evaluation by means of anatomical landmarks. <i>Clinical Neurology and Neurosurgery</i> , 2019, 183, 105387.	0.6	22
102	Decreased water T ₂ in fatty infiltrated skeletal muscles of patients with neuromuscular diseases. <i>NMR in Biomedicine</i> , 2019, 32, e4111.	1.6	20
103	Bone mineral density measurements derived from dual-layer spectral CT enable opportunistic screening for osteoporosis. <i>European Radiology</i> , 2019, 29, 6355-6363.	2.3	46
104	Automated segmentation of changes in FLAIR-hyperintense white matter lesions in multiple sclerosis on serial magnetic resonance imaging. <i>NeuroImage: Clinical</i> , 2019, 23, 101849.	1.4	60
105	Tube Current Reduction in CT Angiography: How Low Can We Go in Imaging of Patients With Suspected Acute Stroke?. <i>American Journal of Roentgenology</i> , 2019, 213, 410-416.	1.0	4
106	Texture analysis of vertebral bone marrow using chemical shift encoding-based water-fat MRI: a feasibility study. <i>Osteoporosis International</i> , 2019, 30, 1265-1274.	1.3	30
107	Multi-detector CT imaging: impact of virtual tube current reduction and sparse sampling on detection of vertebral fractures. <i>European Radiology</i> , 2019, 29, 3606-3616.	2.3	21
108	Opportunistic osteoporosis screening in multi-detector CT images via local classification of textures. <i>Osteoporosis International</i> , 2019, 30, 1275-1285.	1.3	72

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109	Accuracy of Unenhanced MRI in the Detection of New Brain Lesions in Multiple Sclerosis. <i>Radiology</i> , 2019, 291, 429-435.	3.6	46
110	Lumbar muscle and vertebral bodies segmentation of chemical shift encoding-based water-fat MRI: the reference database MyoSegmentTUM spine. <i>BMC Musculoskeletal Disorders</i> , 2019, 20, 152.	0.8	10
111	Improved prediction of incident vertebral fractures using opportunistic QCT compared to DXA. <i>European Radiology</i> , 2019, 29, 4980-4989.	2.3	99
112	Paraspinal Muscle DTI Metrics Predict Muscle Strength. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 50, 816-823.	1.9	22
113	DXA-equivalent quantification of bone mineral density using dual-layer spectral CT scout scans. <i>European Radiology</i> , 2019, 29, 4624-4634.	2.3	18
114	Effect of Statistically Iterative Image Reconstruction on Vertebral Bone Strength Prediction Using Bone Mineral Density and Finite Element Modeling. <i>Journal of Computer Assisted Tomography</i> , 2019, 43, 61-65.	0.5	6
115	Acceleration of Double Inversion Recovery Sequences in Multiple Sclerosis With Compressed Sensing. <i>Investigative Radiology</i> , 2019, 54, 319-324.	3.5	28
116	Vertebral Artery Patency and Thrombectomy in Basilar Artery Occlusions. <i>Stroke</i> , 2019, 50, 389-395.	1.0	25
117	Can Early Postoperative O-(2-18Fluoroethyl)-l-Tyrosine Positron Emission Tomography After Resection of Glioblastoma Predict the Location of Later Tumor Recurrence?. <i>World Neurosurgery</i> , 2019, 121, e467-e474.	0.7	16
118	Wavelet-based reconstruction of dynamic susceptibility MR-perfusion: a new method to visualize hypervascular brain tumors. <i>European Radiology</i> , 2019, 29, 2669-2676.	2.3	2
119	Differentiation of Acute/Subacute versus Old Vertebral Fractures in Multislice Detector Computed Tomography: Is Magnetic Resonance Imaging Always Needed?. <i>World Neurosurgery</i> , 2019, 122, e676-e683.	0.7	7
120	T2-relaxation time of cartilage repair tissue is associated with bone remodeling after spongiosa-augmented matrix-associated autologous chondrocyte implantation. <i>Osteoarthritis and Cartilage</i> , 2019, 27, 90-98.	0.6	17
121	Association of smoking but not HLA-DRB1*15:01, <i><i>APOE</i></i> or body mass index with brain atrophy in early multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2019, 25, 661-668.	1.4	12
122	High Isotropic Resolution T2 Mapping of the Lumbosacral Plexus with T2-Prepared 3D Turbo Spin Echo. <i>Clinical Neuroradiology</i> , 2019, 29, 223-230.	1.0	15
123	DiamondGAN: Unified Multi-modal Generative Adversarial Networks for MRI Sequences Synthesis. <i>Lecture Notes in Computer Science</i> , 2019, , 795-803.	1.0	36
124	Associations of thigh muscle fat infiltration with isometric strength measurements based on chemical shift encoding-based water-fat magnetic resonance imaging. <i>European Radiology Experimental</i> , 2019, 3, 45.	1.7	27
125	T2 mapping of lumbosacral nerves in patients suffering from unilateral radicular pain due to degenerative disc disease. <i>Journal of Neurosurgery: Spine</i> , 2019, 30, 750-758.	0.9	5
126	Multidetector Computed Tomography Imaging. <i>Journal of Computer Assisted Tomography</i> , 2018, 42, 441-447.	0.5	24

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127	T2-Weighted Dixon Turbo Spin Echo for Accelerated Simultaneous Grading of Whole-Body Skeletal Muscle Fat Infiltration and Edema in Patients With Neuromuscular Diseases. <i>Journal of Computer Assisted Tomography</i> , 2018, 42, 574-579.	0.5	12
128	Isotropic resolution diffusion tensor imaging of lumbosacral and sciatic nerves using a phase-corrected diffusion-prepared 3D turbo spin echo. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 609-618.	1.9	13
129	Multi-level hierarchical finite cell method for embedded interface problems with application in biomechanics. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2018, 34, e2951.	1.0	28
130	Loss of Subcortical Language Pathways Correlates with Surgery-Related Aphasia in Patients with Brain Tumor: An Investigation via Repetitive Navigated Transcranial Magnetic Stimulation-Based Diffusion Tensor Imaging Fiber Tracking. <i>World Neurosurgery</i> , 2018, 111, e806-e818.	0.7	22
131	Feasibility of opportunistic osteoporosis screening in routine contrast-enhanced multi detector computed tomography (MDCT) using texture analysis. <i>Osteoporosis International</i> , 2018, 29, 825-835.	1.3	27
132	Retrospective Analysis of Radiological Recurrence Patterns in Glioblastoma, Their Prognostic Value And Association to Postoperative Infarct Volume. <i>Scientific Reports</i> , 2018, 8, 4561.	1.6	48
133	Effect of radiation dose reduction on texture measures of trabecular bone microstructure: an in vitro study. <i>Journal of Bone and Mineral Metabolism</i> , 2018, 36, 323-335.	1.3	9
134	Associations between clinical outcome and navigated transcranial magnetic stimulation characteristics in patients with motor-eloquent brain lesions: a combined navigated transcranial magnetic stimulation-diffusion tensor imaging fiber tracking approach. <i>Journal of Neurosurgery</i> , 2018, 128, 800-810.	0.9	60
135	Orthogonally combined motion- and diffusion-sensitized driven equilibrium (OC-MDSDE) preparation for vessel signal suppression in 3D turbo spin echo imaging of peripheral nerves in the extremities. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 407-415.	1.9	16
136	Fatigue in multiple sclerosis: Associations with clinical, MRI and CSF parameters. <i>Multiple Sclerosis Journal</i> , 2018, 24, 1115-1125.	1.4	36
137	Revision Rate of Misplaced Pedicle Screws of the Thoracolumbar Spine—Comparison of Three-Dimensional Fluoroscopy Navigation with Freehand Placement: A Systematic Analysis and Review of the Literature. <i>World Neurosurgery</i> , 2018, 109, e24-e32.	0.7	82
138	Prognostic Value of Tumor Volume in Glioblastoma Patients: Size Also Matters for Patients with Incomplete Resection. <i>Annals of Surgical Oncology</i> , 2018, 25, 558-564.	0.7	33
139	Geostatistical Analysis of White Matter Lesions in Multiple Sclerosis Identifies Gender Differences in Lesion Evolution. <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 460.	1.4	8
140	Longitudinal changes in subchondral bone structure as assessed with MRI are associated with functional outcome after high tibial osteotomy. <i>Journal of ISAKOS</i> , 2018, 3, 205-212.	1.1	5
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