

Yǎn Xiǎng J Wǎng

List of Publications by Year in descending order

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348
papers

15,485
citations

22153

59
h-index

23533

111
g-index

374
all docs

374
docs citations

374
times ranked

20655
citing authors

#	ARTICLE	IF	CITATIONS
1	Superparamagnetic iron oxide contrast agents: physicochemical characteristics and applications in MR imaging. <i>European Radiology</i> , 2001, 11, 2319-2331.	4.5	1,247
2	Superparamagnetic iron oxide based MRI contrast agents: Current status of clinical application. <i>Quantitative Imaging in Medicine and Surgery</i> , 2011, 1, 35-40.	2.0	636
3	Multifunctional biohybrid magnetite microrobots for imaging-guided therapy. <i>Science Robotics</i> , 2017, 2, .	17.6	594
4	Automatic Tuberculosis Screening Using Chest Radiographs. <i>IEEE Transactions on Medical Imaging</i> , 2014, 33, 233-245.	8.9	403
5	Tuning the Grain Size and Particle Size of Superparamagnetic Fe ₃ O ₄ Microparticles. <i>Chemistry of Materials</i> , 2009, 21, 5079-5087.	6.7	387
6	Dietary cholesterol drives fatty liver-associated liver cancer by modulating gut microbiota and metabolites. <i>Gut</i> , 2021, 70, 761-774.	12.1	382
7	Metal-Organic Framework-Based Nanomedicine Platforms for Drug Delivery and Molecular Imaging. <i>Small</i> , 2015, 11, 4806-4822.	10.0	375
8	Two public chest X-ray datasets for computer-aided screening of pulmonary diseases. <i>Quantitative Imaging in Medicine and Surgery</i> , 2014, 4, 475-7.	2.0	370
9	Modified Pfirrmann Grading System for Lumbar Intervertebral Disc Degeneration. <i>Spine</i> , 2007, 32, E708-E712.	2.0	367
10	A delivery system targeting bone formation surfaces to facilitate RNAi-based anabolic therapy. <i>Nature Medicine</i> , 2012, 18, 307-314.	30.7	354
11	Preparation, Characterization, and Catalytic Activity of Core/Shell Fe ₃ O ₄ @Polyaniline@Au Nanocomposites. <i>Langmuir</i> , 2009, 25, 11835-11843.	3.5	351
12	Curcumin-conjugated magnetic nanoparticles for detecting amyloid plaques in Alzheimer's disease mice using magnetic resonance imaging (MRI). <i>Biomaterials</i> , 2015, 44, 155-172.	11.4	240
13	Terahertz spectroscopy of liver cirrhosis: investigating the origin of contrast. <i>Physics in Medicine and Biology</i> , 2010, 55, 7587-7596.	3.0	222
14	Facile synthesis of size-controllable monodispersed ferrite nanospheres. <i>Journal of Materials Chemistry</i> , 2010, 20, 5086.	6.7	197
15	Synthesis of Biocompatible, Mesoporous Fe ₃ O ₄ Nano/Microspheres with Large Surface Area for Magnetic Resonance Imaging and Therapeutic Applications. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 237-244.	8.0	197
16	Current status of superparamagnetic iron oxide contrast agents for liver magnetic resonance imaging. <i>World Journal of Gastroenterology</i> , 2015, 21, 13400.	3.3	185
17	A comprehensive literatures update of clinical researches of superparamagnetic resonance iron oxide nanoparticles for magnetic resonance imaging. <i>Quantitative Imaging in Medicine and Surgery</i> , 2017, 7, 88-122.	2.0	177
18	High Performance Photoluminescent Carbon Dots for In Vitro and In Vivo Bioimaging: Effect of Nitrogen Doping Ratios. <i>Langmuir</i> , 2015, 31, 8063-8073.	3.5	175

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19	Dipeptidyl Peptidase 4 Inhibitor Sitagliptin Protects Endothelial Function in Hypertension Through a Glucagon-Like Peptide 1-Dependent Mechanism. <i>Hypertension</i> , 2012, 60, 833-841.	2.7	164
20	Endoscopy-assisted magnetic navigation of biohybrid soft microrobots with rapid endoluminal delivery and imaging. <i>Science Robotics</i> , 2021, 6, .	17.6	164
21	Increased low back pain prevalence in females than in males after menopause age: evidences based on synthetic literature review. <i>Quantitative Imaging in Medicine and Surgery</i> , 2016, 6, 199-206.	2.0	157
22	Synthesis of Fe ₃ O ₄ @Polyaniline Core/Shell Microspheres with Well-Defined Blackberry-Like Morphology. <i>Journal of Physical Chemistry C</i> , 2008, 112, 18804-18809.	3.1	140
23	A novel semisynthesized small molecule icaritin reduces incidence of steroid-associated osteonecrosis with inhibition of both thrombosis and lipid-deposition in a dose-dependent manner. <i>Bone</i> , 2009, 44, 345-356.	2.9	132
24	Gender differences in brain regional homogeneity of healthy subjects after normal sleep and after sleep deprivation: A resting-state fMRI study. <i>Sleep Medicine</i> , 2012, 13, 720-727.	1.6	124
25	Ultrasound, pH, and Magnetically Responsive Crown-Ether-Coated Core/Shell Nanoparticles as Drug Encapsulation and Release Systems. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 1566-1574.	8.0	122
26	T1-ρ MR Imaging Is Sensitive to Evaluate Liver Fibrosis: An Experimental Study in a Rat Biliary Duct Ligation Model. <i>Radiology</i> , 2011, 259, 712-719.	7.3	121
27	Altered intrinsic regional brain spontaneous activity and subjective sleep quality in patients with chronic primary insomnia: a resting-state fMRI study. <i>Neuropsychiatric Disease and Treatment</i> , 2014, 10, 2163.	2.2	115
28	Lumbar degenerative spondylolisthesis epidemiology: A systematic review with a focus on gender-specific and age-specific prevalence. <i>Journal of Orthopaedic Translation</i> , 2017, 11, 39-52.	3.9	114
29	Evolution of Radiation-induced Brain Injury: MR Imaging-based Study. <i>Radiology</i> , 2010, 254, 210-218.	7.3	113
30	Liver intravoxel incoherent motion (IVIM) magnetic resonance imaging: a comprehensive review of published data on normal values and applications for fibrosis and tumor evaluation. <i>Quantitative Imaging in Medicine and Surgery</i> , 2017, 7, 59-78.	2.0	113
31	Tissue characterization using terahertz pulsed imaging in reflection geometry. <i>Physics in Medicine and Biology</i> , 2009, 54, 149-160.	3.0	108
32	Recent Advances in Superparamagnetic Iron Oxide Nanoparticles for Cellular Imaging and Targeted Therapy Research. <i>Current Pharmaceutical Design</i> , 2013, 19, 6575-6593.	1.9	102
33	Imaging-guided delivery of RNAi for anticancer treatment. <i>Advanced Drug Delivery Reviews</i> , 2016, 104, 44-60.	13.7	102
34	A promising diagnostic method: Terahertz pulsed imaging and spectroscopy. <i>World Journal of Radiology</i> , 2011, 3, 55.	1.1	100
35	Long-term total sleep deprivation decreases the default spontaneous activity and connectivity pattern in healthy male subjects: a resting-state fMRI study. <i>Neuropsychiatric Disease and Treatment</i> , 2015, 11, 761.	2.2	95
36	Prevalence and risk factors of radiographic vertebral fractures in elderly Chinese men and women: results of Mr. OS (Hong Kong) and Ms. OS (Hong Kong) studies. <i>Osteoporosis International</i> , 2013, 24, 877-885.	3.1	94

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37	Gender Differences in Regional Brain Activity in Patients with Chronic Primary Insomnia: Evidence from a Resting-State fMRI Study. <i>Journal of Clinical Sleep Medicine</i> , 2016, 12, 363-374.	2.6	94
38	Cellular uptake behaviour, photothermal therapy performance, and cytotoxicity of gold nanorods with various coatings. <i>Nanoscale</i> , 2014, 6, 11462-11472.	5.6	92
39	Advance of Molecular Imaging Technology and Targeted Imaging Agent in Imaging and Therapy. <i>BioMed Research International</i> , 2014, 2014, 1-12.	1.9	90
40	Relationship between gender, bone mineral density, and disc degeneration in the lumbar spine: a study in elderly subjects using an eight-level MRI-based disc degeneration grading system. <i>Osteoporosis International</i> , 2011, 22, 91-96.	3.1	89
41	PLGA/TCP composite scaffold incorporating bioactive phytomolecule icaritin for enhancement of bone defect repair in rabbits. <i>Acta Biomaterialia</i> , 2013, 9, 6711-6722.	8.3	84
42	Effect of Menopause on Lumbar Disk Degeneration: Potential Etiology. <i>Radiology</i> , 2010, 257, 318-320.	7.3	82
43	Enhanced cellular uptake of aminosilane-coated superparamagnetic iron oxide nanoparticles in mammalian cell lines. <i>International Journal of Nanomedicine</i> , 2012, 7, 953.	6.7	81
44	Oxidative Stress-Dependent Cyclooxygenase-2-Derived Prostaglandin F ₂ ± Impairs Endothelial Function in Renovascular Hypertensive Rats. <i>Antioxidants and Redox Signaling</i> , 2012, 16, 363-373.	5.4	77
45	T1rho and T2 relaxation times for lumbar disc degeneration: an in vivo comparative study at 3.0-Tesla MRI. <i>European Radiology</i> , 2013, 23, 228-234.	4.5	76
46	Synthesis of Absorption-Dominant Small Gold Nanorods and Their Plasmonic Properties. <i>Langmuir</i> , 2015, 31, 7418-7426.	3.5	76
47	Reduced Bone Perfusion in Osteoporosis: Likely Causes in an Ovariectomy Rat Model. <i>Radiology</i> , 2010, 254, 739-746.	7.3	73
48	Folate-conjugated Fe ₃ O ₄ @SiO ₂ @gold nanorods@mesoporous SiO ₂ hybrid nanomaterial: a theranostic agent for magnetic resonance imaging and photothermal therapy. <i>Journal of Materials Chemistry B</i> , 2013, 1, 2934.	5.8	72
49	Non-Gaussian Analysis of Diffusion Weighted Imaging in Head and Neck at 3T: A Pilot Study in Patients with Nasopharyngeal Carcinoma. <i>PLoS ONE</i> , 2014, 9, e87024.	2.5	72
50	Hepatic Sinusoidal Obstruction Syndrome Caused by Herbal Medicine: CT and MRI Features. <i>Korean Journal of Radiology</i> , 2014, 15, 218.	3.4	67
51	Identifying osteoporotic vertebral endplate and cortex fractures. <i>Quantitative Imaging in Medicine and Surgery</i> , 2017, 7, 555-591.	2.0	67
52	Transcatheter embolization therapy in liver cancer: an update of clinical evidences. <i>Chinese Journal of Cancer Research: Official Journal of China Anti-Cancer Association</i> , Beijing Institute for Cancer Research, 2015, 27, 96-121.	2.2	67
53	Prevalence and Sex Difference of Lumbar Disc Space Narrowing in Elderly Chinese Men and Women: Osteoporotic Fractures in Men (Hong Kong) and Osteoporotic Fractures in Women (Hong Kong) Studies. <i>Arthritis and Rheumatism</i> , 2013, 65, 1004-1010.	6.7	66
54	Ultrasound-Mediated Local Drug and Gene Delivery Using Nanocarriers. <i>BioMed Research International</i> , 2014, 2014, 1-13.	1.9	66

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55	Hollow superparamagnetic iron oxide nanoshells as a hydrophobic anticancer drug carrier: intracellular pH-dependent drug release and enhanced cytotoxicity. <i>Nanoscale</i> , 2012, 4, 5744.	5.6	65
56	Prevalence and risk factors of lumbar spondylolisthesis in elderly Chinese men and women. <i>European Radiology</i> , 2014, 24, 441-448.	4.5	64
57	The impact of quantitative imaging in medicine and surgery: Charting our course for the future. <i>Quantitative Imaging in Medicine and Surgery</i> , 2011, 1, 1-3.	2.0	64
58	T1ġmagnetic resonance: basic physics principles and applications in knee and intervertebral disc imaging. <i>Quantitative Imaging in Medicine and Surgery</i> , 2015, 5, 858-85.	2.0	62
59	Chemoembolization agents for cancer treatment. <i>European Journal of Pharmaceutical Sciences</i> , 2011, 44, 1-10.	4.0	61
60	Opportunities and Challenges of Fluorescent Carbon Dots in Translational Optical Imaging. <i>Current Pharmaceutical Design</i> , 2015, 21, 5401-5416.	1.9	61
61	Durable Mesenchymal Stem Cell Labelling by Using Polyhedral Superparamagnetic Iron Oxide Nanoparticles. <i>Chemistry - A European Journal</i> , 2009, 15, 12417-12425.	3.3	59
62	Magnetic Nanochains of FeNi ₃ Prepared by a Template-Free Microwave-Hydrothermal Method. <i>ACS Applied Materials & Interfaces</i> , 2010, 2, 2579-2584.	8.0	59
63	Amide proton transfer-weighted imaging of the head and neck at 3ġT: a feasibility study on healthy human subjects and patients with head and neck cancer. <i>NMR in Biomedicine</i> , 2014, 27, 1239-1247.	2.8	57
64	MR T1ġas an imaging biomarker for monitoring liver injury progression and regression: an experimental study in rats with carbon tetrachloride intoxication. <i>European Radiology</i> , 2012, 22, 1709-1716.	4.5	56
65	CT and MR features of xanthogranulomatous cholecystitis: An analysis of consecutive 49 cases. <i>European Journal of Radiology</i> , 2013, 82, 1391-1397.	2.6	55
66	Photocytotoxicity and Magnetic Relaxivity Responses of Dual-Porous ġ ³ -Fe ₂ O ₃ @meso-SiO ₂ Microspheres. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 2033-2040.	8.0	51
67	Short-term efficacy of combination methotrexate and infliximab in patients with ankylosing spondylitis: a clinical and magnetic resonance imaging correlation. <i>Rheumatology</i> , 2008, 47, 1358-1363.	1.9	50
68	Medical imaging in pharmaceutical clinical trials: what radiologists should know. <i>Clinical Radiology</i> , 2005, 60, 1051-1057.	1.1	49
69	Osteoporotic vertebral deformity with endplate/cortex fracture is associated with higher further vertebral fracture risk: the Ms. OS (Hong Kong) study results. <i>Osteoporosis International</i> , 2019, 30, 897-905.	3.1	49
70	Radiological signs associated with pulmonary multi-drug resistant tuberculosis: an analysis of published evidences. <i>Quantitative Imaging in Medicine and Surgery</i> , 2018, 8, 161-173.	2.0	48
71	InġVivo Chemoembolization and Magnetic Resonance Imaging of Liver Tumors by Using Iron Oxide Nanoshell/Doxorubicin/Poly(vinyl alcohol) Hybrid Composites. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 4812-4815.	13.8	47
72	Head and Neck Tumors: Amide Proton Transfer MRI. <i>Radiology</i> , 2018, 288, 782-790.	7.3	47

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73	Liver T_1 MRI measurement in healthy human subjects at 3 T: a preliminary study with a two-dimensional fast-field echo sequence. <i>British Journal of Radiology</i> , 2012, 85, e590-e595.	2.2	46
74	Icaritin, an Exogenous Phytomolecule, Enhances Osteogenesis but Not Angiogenesis—An In Vitro Efficacy Study. <i>PLoS ONE</i> , 2012, 7, e41264.	2.5	46
75	The role of CT for Covid-19 patient's management remains poorly defined. <i>Annals of Translational Medicine</i> , 2020, 8, 145-145.	1.7	46
76	Continuous occurrence of both insufficient neovascularization and elevated vascular permeability in rabbit proximal femur during inadequate repair of steroid-associated osteonecrotic lesions. <i>Arthritis and Rheumatism</i> , 2009, 60, 2966-2977.	6.7	45
77	Mapping the central effects of chronic ketamine administration in an adolescent primate model by functional magnetic resonance imaging (fMRI). <i>NeuroToxicology</i> , 2012, 33, 70-77.	3.0	45
78	Decreases in Molecular Diffusion, Perfusion Fraction and Perfusion-Related Diffusion in Fibrotic Livers: A Prospective Clinical Intravoxel Incoherent Motion MR Imaging Study. <i>PLoS ONE</i> , 2014, 9, e113846.	2.5	43
79	Reduced bone perfusion in proximal femur of subjects with decreased bone mineral density preferentially affects the femoral neck. <i>Bone</i> , 2009, 45, 711-715.	2.9	41
80	Menopause causes vertebral endplate degeneration and decrease in nutrient diffusion to the intervertebral discs. <i>Medical Hypotheses</i> , 2011, 77, 18-20.	1.5	41
81	PANDA: Integrating principal component analysis and dictionary learning for fast T_1 -mapping. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 263-272.	3.0	40
82	Ultra-high loading of sinoporphyrin sodium in ferritin for single-wave motivated photothermal and photodynamic co-therapy. <i>Biomaterials Science</i> , 2017, 5, 1512-1516.	5.4	40
83	Chinese expert consensus on the diagnosis of osteoporosis by imaging and bone mineral density. <i>Quantitative Imaging in Medicine and Surgery</i> , 2020, 10, 2066-2077.	2.0	40
84	N-Nitrosodiethylamine-Induced Pig Liver Hepatocellular Carcinoma Model: Radiological and Histopathological Studies. <i>CardioVascular and Interventional Radiology</i> , 2006, 29, 420-428.	2.0	39
85	CT features of focal organizing pneumonia: An analysis of consecutive histopathologically confirmed 45 cases. <i>European Journal of Radiology</i> , 2014, 83, 73-78.	2.6	38
86	High Serum SHBG Predicts Incident Vertebral Fractures in Elderly Men. <i>Journal of Bone and Mineral Research</i> , 2016, 31, 683-689.	2.8	38
87	Informed appropriate imaging for low back pain management: A narrative review. <i>Journal of Orthopaedic Translation</i> , 2018, 15, 21-34.	3.9	38
88	Osteoporotic Vertebral Fracture Prevalence in Elderly Chinese Men and Women: A Comparison of Endplate/Cortex Fracture-Based and Morphometrical Deformity-Based Methods. <i>Journal of Clinical Densitometry</i> , 2019, 22, 409-419.	1.2	38
89	An Analysis of 1256 Cases of Sporadic Ruptured Cerebral Aneurysm in a Single Chinese Institution. <i>PLoS ONE</i> , 2014, 9, e85668.	2.5	38
90	Using Gelatin Nanoparticle Mediated Intranasal Delivery of Neuropeptide Substance P to Enhance Neuro-Recovery in Hemiparkinsonian Rats. <i>PLoS ONE</i> , 2016, 11, e0148848.	2.5	38

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91	Ultrasound Findings of Papillary Thyroid Microcarcinoma: A Review of 113 Consecutive Cases with Histopathologic Correlation. <i>Ultrasound in Medicine and Biology</i> , 2012, 38, 1681-1688.	1.5	37
92	New Progress in Angiogenesis Therapy of Cardiovascular Disease by Ultrasound Targeted Microbubble Destruction. <i>BioMed Research International</i> , 2014, 2014, 1-12.	1.9	37
93	Postmenopausal Chinese women show accelerated lumbar disc degeneration compared with Chinese men. <i>Journal of Orthopaedic Translation</i> , 2015, 3, 205-211.	3.9	36
94	Osteoporotic vertebral endplate and cortex fractures: A pictorial review. <i>Journal of Orthopaedic Translation</i> , 2018, 15, 35-49.	3.9	36
95	Updates on 18F-FDG-PET/CT as a clinical tool for tuberculosis evaluation and therapeutic monitoring. <i>Quantitative Imaging in Medicine and Surgery</i> , 2019, 9, 1132-1146.	2.0	35
96	DL-3-n-Butylphthalide, an Anti-Oxidant Agent, Prevents Neurological Deficits and Cerebral Injury Following Stroke per Functional Analysis, Magnetic Resonance Imaging and Histological Assessment. <i>Current Neurovascular Research</i> , 2012, 9, 167-175.	1.1	34
97	Lumbar Spondylolisthesis Progression and De Novo Spondylolisthesis in Elderly Chinese Men and Women. <i>Spine</i> , 2016, 41, 1096-1103.	2.0	32
98	Menopause as a potential cause for higher prevalence of low back pain in women than in age-matched men. <i>Journal of Orthopaedic Translation</i> , 2017, 8, 1-4.	3.9	32
99	A Combined Use of Intravoxel Incoherent Motion MRI Parameters Can Differentiate Early-Stage Hepatitis-b Fibrotic Livers from Healthy Livers. <i>SLAS Technology</i> , 2018, 23, 259-268.	1.9	31
100	Topics on quantitative liver magnetic resonance imaging. <i>Quantitative Imaging in Medicine and Surgery</i> , 2019, 9, 1840-1890.	2.0	31
101	Semi-quantitative grading and extended semi-quantitative grading for osteoporotic vertebral deformity: a radiographic image database for education and calibration. <i>Annals of Translational Medicine</i> , 2020, 8, 398-398.	1.7	31
102	Prevalence of cervical spine degenerative changes in elderly population and its weak association with aging, neck pain, and osteoporosis. <i>Annals of Translational Medicine</i> , 2019, 7, 486-486.	1.7	31
103	Evaluation of liver fibrosis with T1ρ-MR imaging. <i>Quantitative Imaging in Medicine and Surgery</i> , 2014, 4, 152-5.	2.0	31
104	Experimental Evaluation of Accelerated T1rho Relaxation Quantification in Human Liver Using Limited Spin-Lock Times. <i>Korean Journal of Radiology</i> , 2012, 13, 736.	3.4	30
105	Calcitriol restores renovascular function in estrogen-deficient rats through downregulation of cyclooxygenase-2 and the thromboxane-prostanoid receptor. <i>Kidney International</i> , 2013, 84, 54-63.	5.2	30
106	Age related reduction of T1rho and T2 magnetic resonance relaxation times of lumbar intervertebral disc. <i>Quantitative Imaging in Medicine and Surgery</i> , 2014, 4, 259-64.	2.0	30
107	Morphological Changes of Lumbar Vertebral Bodies and Intervertebral Discs Associated With Decrease in Bone Mineral Density of the Spine. <i>Spine</i> , 2012, 37, E1415-E1421.	2.0	29
108	Total gadolinium tissue deposition and skin structural findings following the administration of structurally different gadolinium chelates in healthy and ovariectomized female rats. <i>Quantitative Imaging in Medicine and Surgery</i> , 2015, 5, 534-45.	2.0	29

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109	Whole-body three-dimensional contrast-enhanced magnetic resonance (MR) angiography with parallel imaging techniques on a multichannel MR system for the detection of various systemic arterial diseases. <i>Heart and Vessels</i> , 2006, 21, 395-398.	1.2	28
110	Comparative study of poly (lactic-co-glycolic acid)/tricalcium phosphate scaffolds incorporated or coated with osteogenic growth factors for enhancement of bone regeneration. <i>Journal of Orthopaedic Translation</i> , 2014, 2, 91-104.	3.9	28
111	Evidence based imaging strategies for solitary pulmonary nodule. <i>Journal of Thoracic Disease</i> , 2014, 6, 872-87.	1.4	28
112	Low-intensity pulsed ultrasound increases cellular uptake of superparamagnetic iron oxide nanomaterial: Results from human osteosarcoma cell line U2OS. <i>Journal of Magnetic Resonance Imaging</i> , 2010, 31, 1508-1513.	3.4	27
113	Efficacy and Durability in Direct Labeling of Mesenchymal Stem Cells Using Ultrasmall Superparamagnetic Iron Oxide Nanoparticles with Organosilica, Dextran, and PEG Coatings. <i>Materials</i> , 2011, 4, 703-715.	2.9	27
114	Optimized efficient liver T ₁ mapping using limited spin lock times. <i>Physics in Medicine and Biology</i> , 2012, 57, 1631-1640.	3.0	27
115	Chemical Exchange Saturation Transfer (CEST) MR Technique for Liver Imaging at 3.0 Tesla: an Evaluation of Different Offset Number and an After-Meal and Over-Night-Fast Comparison. <i>Molecular Imaging and Biology</i> , 2016, 18, 274-282.	2.6	27
116	Living tissue intravoxel incoherent motion (IVIM) diffusion MR analysis without b=0 image: an example for liver fibrosis evaluation. <i>Quantitative Imaging in Medicine and Surgery</i> , 2019, 9, 127-133.	2.0	27
117	The role of radiography in the study of spinal disorders. <i>Quantitative Imaging in Medicine and Surgery</i> , 2020, 10, 2322-2355.	2.0	27
118	MR imaging for acute pancreatitis: the current status of clinical applications. <i>Annals of Translational Medicine</i> , 2019, 7, 269-269.	1.7	27
119	In vivo magnetic resonance imaging of animal models of knee osteoarthritis. <i>Laboratory Animals</i> , 2008, 42, 246-264.	1.0	26
120	Biological and Magnetic Contrast Evaluation of Shape-Selective Mn ²⁺ /Fe Nanowires. <i>IEEE Transactions on Nanobioscience</i> , 2009, 8, 192-198.	3.3	26
121	MR chemical exchange imaging with spin-lock technique (CESL): a theoretical analysis of the Z-spectrum using a two-pool R ₁ relaxation model beyond the fast-exchange limit. <i>Physics in Medicine and Biology</i> , 2012, 57, 8185-8200.	3.0	26
122	Blockage of Src by Specific siRNA as a Novel Therapeutic Strategy to Prevent Destructive Repair in Steroid-Associated Osteonecrosis in Rabbits. <i>Journal of Bone and Mineral Research</i> , 2015, 30, 2044-2057.	2.8	26
123	Breath-hold black blood quantitative T ₁ rho imaging of liver using single shot fast spin echo acquisition. <i>Quantitative Imaging in Medicine and Surgery</i> , 2016, 6, 168-177.	2.0	26
124	All osteoporotically deformed vertebrae with >34% height loss have radiographically identifiable endplate/cortex fracture. <i>Journal of Orthopaedic Translation</i> , 2018, 14, 63-66.	3.9	26
125	An update on PET-based molecular imaging in neuro-oncology: challenges and implementation for a precision medicine approach in cancer care. <i>Quantitative Imaging in Medicine and Surgery</i> , 2019, 9, 1597-1610.	2.0	26
126	Myocardial T ₁ rho mapping of patients with end-stage renal disease and its comparison with T ₁ mapping and T ₂ mapping: A feasibility and reproducibility study. <i>Journal of Magnetic Resonance Imaging</i> , 2016, 44, 723-731.	3.4	25

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127	Comparison of triâ€œexponential decay versus biâ€œexponential decay and full fitting versus segmented fitting for modeling liver intravoxel incoherent motion diffusion MRI. <i>NMR in Biomedicine</i> , 2019, 32, e4155.	2.8	25
128	Intravoxel incoherent motion derived liver perfusion/diffusion readouts can be reliable biomarker for the detection of viral hepatitis B induced liver fibrosis. <i>Quantitative Imaging in Medicine and Surgery</i> , 2019, 9, 371-371.	2.0	25
129	Non-invasive MRI assessment of the articular cartilage in clinical studies and experimental settings. <i>World Journal of Radiology</i> , 2010, 2, 44.	1.1	25
130	Relationship between hip bone mineral density and lumbar disc degeneration: A study in elderly subjects using an eightâ€œlevel MRIâ€œbased disc degeneration grading system. <i>Journal of Magnetic Resonance Imaging</i> , 2011, 33, 916-920.	3.4	24
131	Scientific and industrial challenges of developing nanoparticle-based theranostics and multiple-modality contrast agents for clinical application. <i>Nanoscale</i> , 2015, 7, 16146-16150.	5.6	24
132	Black blood T1rho MR imaging may diagnose early stage liver fibrosis: a proof-of-principle study with rat biliary duct ligation model. <i>Quantitative Imaging in Medicine and Surgery</i> , 2016, 6, 353-363.	2.0	24
133	High performance of intravoxel incoherent motion diffusion MRI in detecting viral hepatitis-b induced liver fibrosis. <i>Annals of Translational Medicine</i> , 2019, 7, 39-39.	1.7	24
134	Automatic detection of arterial input function in dynamic contrast enhanced MRI based on affinity propagation clustering. <i>Journal of Magnetic Resonance Imaging</i> , 2014, 39, 1327-1337.	3.4	23
135	Removal of evidential motion-contaminated and poorly fitted image data improves IVIM diffusion MRI parameter scanâ€œrescan reproducibility. <i>Acta Radiologica</i> , 2018, 59, 1157-1167.	1.1	23
136	Senile osteoporosis is associated with disc degeneration. <i>Quantitative Imaging in Medicine and Surgery</i> , 2018, 8, 551-556.	2.0	23
137	Implications of Web of Science journal impact factor for scientific output evaluation in 16 institutions and investigators' opinion. <i>Quantitative Imaging in Medicine and Surgery</i> , 2014, 4, 453-61.	2.0	23
138	Functional perfusion MRI predicts later occurrence of steroidâ€œassociated osteonecrosis: An experimental study in rabbits. <i>Journal of Orthopaedic Research</i> , 2009, 27, 742-747.	2.3	22
139	Enhanced cellular uptake and gene delivery of glioblastoma with deferoxamine-coated nanoparticle/plasmid DNA/branched polyethylenimine composites. <i>Chemical Communications</i> , 2013, 49, 549-551.	4.1	22
140	Time-Intensity Curve Parameters in Rectal Cancer Measured Using Endorectal Ultrasonography with Sterile Coupling Gels Filling the Rectum: Correlations with Tumor Angiogenesis and Clinicopathological Features. <i>BioMed Research International</i> , 2014, 2014, 1-7.	1.9	22
141	Prevalent osteoporotic vertebral fractures more likely involve the upper endplate than the lower endplate and even more so in males. <i>Annals of Translational Medicine</i> , 2018, 6, 442-442.	1.7	22
142	Much lower prevalence and severity of radiographic osteoporotic vertebral fracture in elderly Hong Kong Chinese women than in age-matched Rome Caucasian women: a cross-sectional study. <i>Archives of Osteoporosis</i> , 2021, 16, 174.	2.4	22
143	Ultra-fast method to synthesize mesoporous magnetite nanoclusters as highly sensitive magnetic resonance probe. <i>Journal of Colloid and Interface Science</i> , 2012, 379, 1-7.	9.4	21
144	Effect of ovariectomy on contrast agent diffusion into lumbar intervertebral disc: a dynamic contrast-enhanced MRI study in female rats. <i>Magnetic Resonance Imaging</i> , 2012, 30, 683-688.	1.8	21

#	ARTICLE	IF	CITATIONS
145	Cramér-Rao bound for Intravoxel Incoherent Motion Diffusion Weighted Imaging fitting. , 2013, 2013, 511-4.		21
146	Diffusion MRI Derived per Area Vessel Density as a Surrogate Biomarker for Detecting Viral Hepatitis B-Induced Liver Fibrosis: A Proof-of-Concept Study. SLAS Technology, 2020, 25, 474-483.	1.9	21
147	Magnetic resonance imaging for lung cancer screen. Journal of Thoracic Disease, 2014, 6, 1340-8.	1.4	21
148	Late postpartum eclampsia complicated with posterior reversible encephalopathy syndrome: a case report and a literature review. Quantitative Imaging in Medicine and Surgery, 2015, 5, 909-16.	2.0	21
149	Vena Cava 3D Contrast-Enhanced MR Venography: A Pictorial Review. CardioVascular and Interventional Radiology, 2005, 28, 795-805.	2.0	20
150	Vertebral blood perfusion reduction associated with vertebral bone mineral density reduction: A dynamic contrast-enhanced MRI study in a rat orchietomy model. Journal of Magnetic Resonance Imaging, 2008, 28, 1515-1518.	3.4	20
151	Biomedical imaging in the safety evaluation of new drugs. Laboratory Animals, 2008, 42, 433-441.	1.0	20
152	Hemorrhage of brain metastasis from non-small cell lung cancer post gefitinib therapy: two case reports and review of the literature. BMC Cancer, 2010, 10, 49.	2.6	20
153	Frameless stereotactic aspiration and subsequent fibrinolytic therapy for the treatment of spontaneous intracerebral haemorrhage. British Journal of Neurosurgery, 2011, 25, 369-375.	0.8	20
154	CT and Ultrasound Features of Basal Cell Adenoma of the Parotid Gland: A Report of 22 Cases with Pathologic Correlation. American Journal of Neuroradiology, 2012, 33, 434-438.	2.4	20
155	Observation of bi-exponential T_1 relaxation of <i>in-vivo</i> rat muscles at 3T. Acta Radiologica, 2012, 53, 675-681.	1.1	20
156	Age and gender dependence of liver diffusion parameters and the possibility that intravoxel incoherent motion modeling of the perfusion component is constrained by the diffusion component. NMR in Biomedicine, 2021, 34, e4449.	2.8	20
157	Carbon coated superparamagnetic iron oxide nanoparticles for sentinel lymph nodes mapping. Quantitative Imaging in Medicine and Surgery, 2012, 2, 53-6.	2.0	20
158	â€œHealthier Chinese spineâ€™: an update of osteoporotic fractures in men (MrOS) and in women (MsOS) Hong Kong spine radiograph studies. Quantitative Imaging in Medicine and Surgery, 2022, 12, 2090-2105.	2.0	20
159	Pitfalls in employing superparamagnetic iron oxide particles for stem cell labelling and <i>in vivo</i> MRI tracking. British Journal of Radiology, 2008, 81, 987-988.	2.2	19
160	Rapid Increase in Marrow Fat Content and Decrease in Marrow Perfusion in Lumbar Vertebra Following Bilateral Oophorectomy: An MR Imaging-Based Prospective Longitudinal Study. Korean Journal of Radiology, 2015, 16, 154.	3.4	19
161	A higher aneurysmal subarachnoid hemorrhage incidence in women prior to menopause: a retrospective analysis of 4,895 cases from eight hospitals in China. Quantitative Imaging in Medicine and Surgery, 2016, 6, 151-156.	2.0	19
162	Chemical exchange saturation transfer (CEST) MR technique for <i>in-vivo</i> liver imaging at 3.0 tesla. European Radiology, 2016, 26, 1792-1800.	4.5	19

#	ARTICLE	IF	CITATIONS
163	Hedgehog signaling in bone regulates whole-body energy metabolism through a boneâ€œadipose endocrine relay mediated by PTHrP and adiponectin. <i>Cell Death and Differentiation</i> , 2017, 24, 225-237.	11.2	19
164	Dependence of intravoxel incoherent motion diffusion MR threshold <i>b</i>-value selection for separating perfusion and diffusion compartments and liver fibrosis diagnostic performance. <i>Acta Radiologica</i> , 2019, 60, 3-12.	1.1	19
165	A modified semi-quantitative (mSQ) grading scheme for osteoporotic vertebral fracture in elderly women. <i>Quantitative Imaging in Medicine and Surgery</i> , 2019, 9, 146-150.	2.0	19
166	Elderly men have much lower vertebral fracture risk than elderly women even at advanced age: the MrOS and MsOS (Hong Kong) year 14 follow-up radiology results. <i>Archives of Osteoporosis</i> , 2020, 15, 176.	2.4	19
167	Radiographic osteoporotic vertebral fractures in elderly men: a brief review focusing on differences between the sexes. <i>Quantitative Imaging in Medicine and Surgery</i> , 2020, 10, 1863-1876.	2.0	19
168	The use of diffusion tensor tractography to measure the distance between the anterior tip of the Meyer loop and the temporal pole in a cohort from Southern China. <i>Journal of Neurosurgery</i> , 2010, 113, 1144-1151.	1.6	18
169	Enhanced Ablation of High Intensity Focused Ultrasound with Microbubbles: An Experimental Study on Rabbit Hepatic VX2 Tumors. <i>CardioVascular and Interventional Radiology</i> , 2011, 34, 1050-1057.	2.0	18
170	Predictors for replanning in loco-regionally advanced nasopharyngeal carcinoma patients undergoing intensity-modulated radiation therapy: a prospective observational study. <i>BMC Cancer</i> , 2013, 13, 548.	2.6	18
171	MR imaging of hemorrhage associated with acute pancreatitis. <i>Pancreatology</i> , 2018, 18, 363-369.	1.1	18
172	Pre-treatment intravoxel incoherent motion diffusion-weighted imaging predicts treatment outcome in nasopharyngeal carcinoma. <i>European Journal of Radiology</i> , 2020, 129, 109127.	2.6	18
173	Evidence of Tri-Exponential Decay for Liver Intravoxel Incoherent Motion MRI: A Review of Published Results and Limitations. <i>Diagnostics</i> , 2021, 11, 379.	2.6	18
174	Radiological features of traumatic vertebral endplate fracture: an analysis of 194 cases with 263 vertebral fractures. <i>Chinese Medical Journal</i> , 2020, 133, 2696-2702.	2.3	18
175	Focus on China: should clinicians engage in research? and lessons from other countries. <i>Quantitative Imaging in Medicine and Surgery</i> , 2014, 4, 413-25.	2.0	18
176	Elderly males with or without existing osteoporotic vertebral fracture have much lower future vertebral fracture risk than elderly females: the MrOS (Hong Kong) year-4 follow-up spine radiograph study. <i>Osteoporosis International</i> , 2019, 30, 2505-2514.	3.1	17
177	Chest lesion CT radiological features and quantitative analysis in RT-PCR turned negative and clinical symptoms resolved COVID-19 patients. <i>Quantitative Imaging in Medicine and Surgery</i> , 2020, 10, 1307-1317.	2.0	17
178	Pre-treatment amide proton transfer imaging predicts treatment outcome in nasopharyngeal carcinoma. <i>European Radiology</i> , 2020, 30, 6339-6347.	4.5	17
179	A call for caution in extrapolating chest CT sensitivity for COVID-19 derived from hospital data to patients among general population. <i>Quantitative Imaging in Medicine and Surgery</i> , 2020, 10, 798-799.	2.0	17
180	Molecular Imaging: From Bench to Clinic. <i>BioMed Research International</i> , 2014, 2014, 1-3.	1.9	16

#	ARTICLE	IF	CITATIONS
181	Collagen deposition in the liver is strongly and positively associated with T1rho elongation while fat deposition is associated with T1rho shortening: an experimental study of methionine and choline-deficient (MCD) diet rat model. <i>Quantitative Imaging in Medicine and Surgery</i> , 2020, 10, 2307-2321.	2.0	16
182	Observed paradoxical perfusion fraction elevation in steatotic liver: An example of intravoxel incoherent motion modeling of the perfusion component constrained by the diffusion component. <i>NMR in Biomedicine</i> , 2021, 34, e4488.	2.8	16
183	English language usage pattern in China mainland doctors: AME survey-001 initial analysis results. <i>Quantitative Imaging in Medicine and Surgery</i> , 2015, 5, 174-81.	2.0	16
184	Quantification of $T_1\rho$ relaxation by using rotary echo spin-lock pulses in the presence of B_0 inhomogeneity. <i>Physics in Medicine and Biology</i> , 2012, 57, 5003-5016.	3.0	15
185	How liver pathologies contribute to T1rho contrast require more careful studies. <i>Quantitative Imaging in Medicine and Surgery</i> , 2017, 7, 608-613.	2.0	15
186	Age- and Gender-Associated Liver Physiological T1rho Dynamics Demonstrated with a Clinically Applicable Single-Breathhold Acquisition. <i>SLAS Technology</i> , 2018, 23, 179-187.	1.9	15
187	Thoracolumbar Intervertebral Disc Area Morphometry in Elderly Chinese Men and Women. <i>Spine</i> , 2018, 43, E607-E614.	2.0	15
188	SCOPE: signal compensation for low-rank plus sparse matrix decomposition for fast parameter mapping. <i>Physics in Medicine and Biology</i> , 2018, 63, 185009.	3.0	15
189	On the possibility of over-diagnosis of osteoporotic vertebral fracture at mid-thoracic level. <i>Journal of Thoracic Disease</i> , 2019, 11, 5708-5711.	1.4	15
190	Radiological features of lung changes caused by avian influenza subtype A H5N1 virus: report of two severe adult cases with regular follow-up. <i>Chinese Medical Journal</i> , 2010, 123, 100-4.	2.3	15
191	Nanoparticle-DNA-polymer composites for hepatocellular carcinoma cell labeling, sensing, and magnetic resonance imaging. <i>Methods</i> , 2013, 64, 315-321.	3.8	14
192	Comparison of three approaches for defining nucleus pulposus and annulus fibrosus on sagittal magnetic resonance images of the lumbar spine. <i>Journal of Orthopaedic Translation</i> , 2016, 6, 34-41.	3.9	14
193	Functional probes for cardiovascular molecular imaging. <i>Quantitative Imaging in Medicine and Surgery</i> , 2018, 8, 838-852.	2.0	14
194	Mutual constraining of slow component and fast component measures: some observations in liver IVIM imaging. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021, 11, 2879-2887.	2.0	14
195	Informed communication with study subjects of radiographically detected osteoporotic vertebral deformity. <i>Quantitative Imaging in Medicine and Surgery</i> , 2018, 8, 876-880.	2.0	14
196	Medical imaging in new drug clinical development. <i>Journal of Thoracic Disease</i> , 2010, 2, 245-52.	1.4	14
197	Fragility fracture prevalence among elderly Chinese is no more than half of that of elderly Caucasians. <i>Quantitative Imaging in Medicine and Surgery</i> , 2022, 12, 874-881.	2.0	14
198	Effective blood signal suppression using double inversion-recovery and slice reordering for multislice fast spin-echo MRI and its application in simultaneous proton density and T2 weighted imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2004, 20, 881-888.	3.4	13

#	ARTICLE	IF	CITATIONS
199	Proximal femur bone marrow blood perfusion indices are reduced in hypertensive rats: A dynamic contrast-enhanced MRI study. <i>Journal of Magnetic Resonance Imaging</i> , 2009, 30, 1139-1144.	3.4	13
200	Increased Efficacies in Magnetofection and Gene Delivery to Hepatocellular Carcinoma Cells with Ternary Organic-Inorganic Hybrid Nanocomposites. <i>Chemistry - an Asian Journal</i> , 2013, 8, 1760-1764.	3.3	13
201	Acoustic Radiation Force Impulse Elastography for Efficacy Evaluation after Hepatocellular Carcinoma Radiofrequency Ablation: A Comparative Study with Contrast-Enhanced Ultrasound. <i>BioMed Research International</i> , 2014, 2014, 1-7.	1.9	13
202	Bi-phase age-related brain gray matter magnetic resonance T1 ρ -relaxation time change in adults. <i>Magnetic Resonance Imaging</i> , 2017, 39, 200-205.	1.8	13
203	Breath-hold black-blood T1 ρ mapping improves liver T1 ρ quantification in healthy volunteers. <i>Acta Radiologica</i> , 2018, 59, 257-265.	1.1	13
204	Some radiographically occult osteoporotic vertebral fractures can be evidential if we look carefully. <i>Quantitative Imaging in Medicine and Surgery</i> , 2019, 9, 1992-1995.	2.0	13
205	Amide proton transfer MRI detects early changes in nasopharyngeal carcinoma: providing a potential imaging marker for treatment response. <i>European Archives of Oto-Rhino-Laryngology</i> , 2019, 276, 505-512.	1.6	13
206	Accelerated T1 ρ relaxation quantification in intervertebral disc using limited spin-lock times. <i>Quantitative Imaging in Medicine and Surgery</i> , 2013, 3, 54-8.	2.0	13
207	Imaging Kidney in Conscious Rats with High-Frequency Ultrasound and Detection of Two Cases of Unilateral Congenital Hydronephrosis. <i>Ultrasound in Medicine and Biology</i> , 2007, 33, 483-486.	1.5	12
208	Further exploration of MRI techniques for liver T1 ρ quantification. <i>Quantitative Imaging in Medicine and Surgery</i> , 2013, 3, 308-15.	2.0	12
209	Advance modern medicine with clinical case reports. <i>Quantitative Imaging in Medicine and Surgery</i> , 2014, 4, 439-43.	2.0	12
210	Top five medical innovations in China mainland since Xinhai revolution [1911]: results of AME survey-002. <i>Quantitative Imaging in Medicine and Surgery</i> , 2015, 5, 453-66.	2.0	12
211	Rat lumbar vertebrae bone densitometry using multidetector CT. <i>European Radiology</i> , 2009, 19, 882-890.	4.5	11
212	Underreporting characteristics of osteoporotic vertebral fracture in back pain clinic patients of a tertiary hospital in China. <i>Journal of Orthopaedic Translation</i> , 2020, 23, 152-158.	3.9	11
213	Generalization Challenges in Drug-Resistant Tuberculosis Detection from Chest X-rays. <i>Diagnostics</i> , 2022, 12, 188.	2.6	11
214	Continued progression of lumbar disc degeneration in postmenopausal women. <i>Climacteric</i> , 2015, 18, 435-435.	2.4	10
215	Melamine Impairs Renal and Vascular Function in Rats. <i>Scientific Reports</i> , 2016, 6, 28041.	3.3	10
216	T1 ρ -relaxation time in brain regions increases with ageing: an experimental MRI observation in rats. <i>British Journal of Radiology</i> , 2016, 89, 20140704.	2.2	10

#	ARTICLE	IF	CITATIONS
217	No inferiority of Tonbridge thrombectomy device for acute thrombus retrieval compared with Solitaire device: an experimental evaluation with a canine distal external carotid-maxillary artery occlusion model. <i>Journal of NeuroInterventional Surgery</i> , 2018, 10, 1085-1091.	3.3	10
218	Exponential growth of publications on carbon nanodots by Chinese authors. <i>Journal of Thoracic Disease</i> , 2015, 7, E201-5.	1.4	10
219	Recent advances in surgical planning & navigation for tumor biopsy and resection. <i>Quantitative Imaging in Medicine and Surgery</i> , 2015, 5, 640-8.	2.0	10
220	AME survey-003 A1-part 2: the motivation factors of medical doctors in China. <i>Quantitative Imaging in Medicine and Surgery</i> , 2015, 5, 917-24.	2.0	10
221	Gradient Echo MRI Characterization of Development of Atherosclerosis in the Abdominal Aorta in Watanabe Heritable Hyperlipidemic Rabbits. <i>CardioVascular and Interventional Radiology</i> , 2006, 29, 605-612.	2.0	9
222	An in vivo magnetic resonance imaging technique for measurement of rat lumbar vertebral body blood perfusion. <i>Laboratory Animals</i> , 2009, 43, 261-265.	1.0	9
223	Small Field-Of-View Surface Coil MR Imaging of Talar Osteochondral Lesions. <i>Foot and Ankle International</i> , 2010, 31, 517-522.	2.3	9
224	Radiotherapy for Nasopharyngeal Carcinoma and Combined Capecitabine and Nimotuzumab Treatment for Lung Metastases in a Liver Transplantation Recipient: A Case Experience of Sustained Complete Response. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , 2012, 27, 519-523.	1.0	9
225	Magnetic resonance imaging of retroperitoneal interfascial plane involvement in acute pancreatitis. <i>Quantitative Imaging in Medicine and Surgery</i> , 2016, 6, 250-258.	2.0	9
226	Osteoporotic Vertebral Deformity: Radiological Appearances and Their Association With a History of Trauma and the Risk of Further Fragility Fracture. <i>Canadian Association of Radiologists Journal</i> , 2020, 72, 084653712095847.	2.0	9
227	Recognizing osteoporotic vertebral deformity on frontal view radiograph: a cohort analysis and a pictorial review. <i>Archives of Osteoporosis</i> , 2020, 15, 41.	2.4	9
228	Existing severe osteoporotic vertebral fractures in elderly Chinese males were only weakly associated with higher further vertebral fracture risk at year-4 follow-up. <i>Osteoporosis International</i> , 2020, 31, 1593-1594.	3.1	9
229	A reduction of perfusion can lead to an artificial elevation of slow diffusion measure: examples in acute brain ischemia MRI intravoxel incoherent motion studies. <i>Annals of Translational Medicine</i> , 2021, 9, 895-895.	1.7	9
230	Ternary hybrid nanocomposites for gene delivery and magnetic resonance imaging of hepatocellular carcinoma cells. <i>Quantitative Imaging in Medicine and Surgery</i> , 2013, 3, 302-7.	2.0	9
231	Physical scientists research biomedicine: a call for caution. <i>Chinese Journal of Cancer Research: Official Journal of China Anti-Cancer Association</i> , Beijing Institute for Cancer Research, 2015, 27, 94-5.	2.2	9
232	Intra-arterial delivery of superparamagnetic iron-oxide nanoshell and polyvinyl alcohol based chemoembolization system for the treatment of liver tumor. <i>Discovery Medicine</i> , 2017, 23, 27-39.	0.5	9
233	CT detects more osteoporotic endplate depressions than radiograph: a descriptive comparison of 76 vertebrae. <i>Osteoporosis International</i> , 2022, 33, 1569-1577.	3.1	9
234	3D contrast-enhanced MR portography and direct X-ray portography: a correlation study. <i>European Radiology</i> , 2003, 13, 1277-1285.	4.5	8

#	ARTICLE	IF	CITATIONS
235	Concatenated and parallel optimization for the estimation of T_1 map in FLASH MRI with multiple flip angles. <i>Magnetic Resonance in Medicine</i> , 2010, 63, 1431-1436.	3.0	8
236	Compromised perfusion in femoral head in normal rats: distinctive perfusion MRI evidence of contrast washout delay. <i>British Journal of Radiology</i> , 2012, 85, e436-e441.	2.2	8
237	Fatal bleeding in a nasopharyngeal carcinoma patient after concurrent chemoradiation plus cetuximab: a case report. <i>Oncotargets and Therapy</i> , 2013, 6, 703.	2.0	8
238	In vivo three-dimensional magnetic resonance imaging of rat knee osteoarthritis model induced using meniscal transection. <i>Journal of Orthopaedic Translation</i> , 2015, 3, 134-141.	3.9	8
239	Topically applied adipose-derived mesenchymal stem cell treatment in experimental focal cerebral ischemia. <i>Journal of Clinical Neuroscience</i> , 2020, 71, 226-233.	1.5	8
240	Different tissue types display different signal intensities on b_0 images and the implications of this for intravoxel incoherent motion analysis: Examples from liver MRI. <i>NMR in Biomedicine</i> , 2021, 34, e4522.	2.8	8
241	Gender-specific liver aging and magnetic resonance imaging. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021, 11, 2893-2904.	2.0	8
242	Application of Molecular Imaging Technologies in Antitumor Drug Development and Therapy. <i>Current Pharmaceutical Design</i> , 2015, 21, 2136-2146.	1.9	8
243	Evaluation of Glycosaminoglycan in the Lumbar Disc Using Chemical Exchange Saturation Transfer MR at 3.0 Tesla: Reproducibility and Correlation with Disc Degeneration. <i>Biomedical and Environmental Sciences</i> , 2016, 29, 47-55.	0.2	8
244	On the training of young doctors in China. <i>Quantitative Imaging in Medicine and Surgery</i> , 2015, 5, 182-5.	2.0	8
245	Color quantification for evaluation of stained tissues. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2011, 79A, 311-316.	1.5	7
246	New Researches and Application Progress of Commonly Used Optical Molecular Imaging Technology. <i>BioMed Research International</i> , 2014, 2014, 1-22.	1.9	7
247	Epidemiological investigation of 264 sporadic cases of ruptured cerebral aneurysm at a single institution in southwest China. <i>Neuropsychiatric Disease and Treatment</i> , 2015, 11, 1609.	2.2	7
248	Diagnosis and grading of radiographic osteoporotic vertebral deformity by general radiologists after a brief self-learning period. <i>Journal of Thoracic Disease</i> , 2020, 12, 4702-4710.	1.4	7
249	Usefulness of diffusion derived vessel density computed from a simplified IVIM imaging protocol: An experimental study with rat biliary duct blockage induced liver fibrosis. <i>Magnetic Resonance Imaging</i> , 2021, 84, 115-123.	1.8	7
250	AME survey-003 A1-part1: in current China, do you regret you joined the medical profession. <i>Quantitative Imaging in Medicine and Surgery</i> , 2015, 5, 765-73.	2.0	7
251	Fine-tuning the cutpoint T-score as an epidemiological index with high specificity for osteoporosis: methodological considerations for the Chinese population. <i>Quantitative Imaging in Medicine and Surgery</i> , 2022, 12, 882-885.	2.0	7
252	Characteristics of rat lumbar vertebral body bone mineral density and differential segmental responses to sex hormone deficiency: a clinical multidetector computed tomography study. <i>Biomedical and Environmental Sciences</i> , 2012, 25, 607-13.	0.2	7

#	ARTICLE	IF	CITATIONS
253	Catheterization of the Hepatic Artery Via the Left Common Carotid Artery in Rats. CardioVascular and Interventional Radiology, 2006, 29, 1073-1076.	2.0	6
254	Some aspects of rat femorotibial joint microanatomy as demonstrated by high-resolution magnetic resonance imaging. Laboratory Animals, 2006, 40, 288-295.	1.0	6
255	Fossa trochanterica of the proximal femur in rabbits: An anatomic structure for potential misinterpretation on magnetic resonance images. Acta Radiologica, 2009, 50, 212-216.	1.1	6
256	Radiological findings of renal leiomyomas: a report of five surgically confirmed cases. Abdominal Imaging, 2011, 36, 604-608.	2.0	6
257	Cerebellar cryptococcosis characterized by a space-occupying lesion in an immunocompetent non-HIV patient. Neuropsychiatric Disease and Treatment, 2014, 11, 21.	2.2	6
258	Src inhibitor reduces permeability without disturbing vascularization and prevents bone destruction in steroid-associated osteonecrotic lesions in rabbits. Scientific Reports, 2015, 5, 8856.	3.3	6
259	South Korean degenerative spondylolisthesis patients had surgical treatment at earlier age than Japanese, American, and European patients: a published literature observation. Quantitative Imaging in Medicine and Surgery, 2016, 6, 785-790.	2.0	6
260	Improvement in the Detection of Cystic Metastatic Papillary Thyroid Carcinoma by Measurement of Thyroglobulin in Aspirated Fluid. BioMed Research International, 2016, 2016, 1-6.	1.9	6
261	Macromolecular proton fraction mapping based on spinâ€lock magnetic resonance imaging. Magnetic Resonance in Medicine, 2020, 84, 3157-3171.	3.0	6
262	Relationship between respiratory viral load and lung lesion severity: a study in 24 cases of pandemic H1N1 2009 influenza A pneumonia. Journal of Thoracic Disease, 2012, 4, 377-83.	1.4	6
263	Relative income of clinical faculty members vs. science faculty members in university settings-a short survey of France, Hong Kong, India, Japan, South Korea, The Netherlands, Taiwan, UK, and USA. Quantitative Imaging in Medicine and Surgery, 2014, 4, 500-1.	2.0	6
264	AME survey-003 A2: on the attractiveness of an medicine career in current China with a survey of 7,508 medical professionals and 443 non-medical professionals. Quantitative Imaging in Medicine and Surgery, 2016, 6, 84-102.	2.0	6
265	Further evidence supports a much lower prevalence of radiographic osteoporotic vertebral fracture in Hong Kong Chinese women than in Italian Caucasian women. Archives of Osteoporosis, 2022, 17, 13.	2.4	6
266	Annotations of Lung Abnormalities in the Shenzhen Chest X-ray Dataset for Computer-Aided Screening of Pulmonary Diseases. Data, 2022, 7, 95.	2.3	6
267	Cerebral asymmetry in a selected Chinese population. Journal of Medical Imaging and Radiation Oncology, 1999, 43, 321-324.	0.6	5
268	Mesenchymal stem cell intracellular labeling using silica-coated superparamagnetic iron oxide nanoparticles with amine functional peripheries. , 2008, , .		5
269	Pitfalls in interpreting rat knee joint magnetic resonance images and their histological correlation. Acta Radiologica, 2009, 50, 1042-1048.	1.1	5
270	Vertebral body corner oedema<i>vs</i></i> gadolinium enhancement as biomarkers of active spinal inflammation in ankylosing spondylitis. British Journal of Radiology, 2012, 85, e702-e708.	2.2	5

#	ARTICLE	IF	CITATIONS
271	Computerized quantification of bone tissue and marrow in stained microscopic images. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2012, 81A, 916-921.	1.5	5
272	Accuracy and uncertainty of asymmetric magnetization transfer ratio quantification for amide proton transfer (APT) imaging at 3T: A Monte Carlo study. , 2013, 2013, 5139-42.		5
273	Time-Efficient Myocardial Contrast Partition Coefficient Measurement from Early Enhancement with Magnetic Resonance Imaging. <i>PLoS ONE</i> , 2014, 9, e93124.	2.5	5
274	Towards consistency for magnetic resonance (MR) relaxometry of lumbar intervertebral discs. <i>Quantitative Imaging in Medicine and Surgery</i> , 2016, 6, 474-477.	2.0	5
275	Topical Application of Mesenchymal Stromal Cells Ameliorated Liver Parenchyma Damage After Ischemia-Reperfusion Injury in an Animal Model. <i>Transplantation Direct</i> , 2017, 3, e160.	1.6	5
276	On Magnetic Resonance Imaging of Intervertebral Disc Aging. <i>Sports Medicine</i> , 2017, 47, 187-188.	6.5	5
277	Elderly population have a decreased aneurysmal subarachnoid hemorrhage incidence rate than Middle aged population: a descriptive analysis of 8,144 cases in mainland China. <i>British Journal of Neurosurgery</i> , 2018, 32, 165-171.	0.8	5
278	CT suggests discharged Covid-19 patients who were retested RT-PCR positive again for SARS-CoV-2 more likely had false negative RT-PCR tests before discharging. <i>Quantitative Imaging in Medicine and Surgery</i> , 2020, 10, 1396-1400.	2.0	5
279	The open access financial model hinders the growth of medical physics research in low- and middle-income countries. <i>Medical Physics</i> , 2020, 47, 5972-5975.	3.0	5
280	Interpretation of osteoporotic vertebral deformity on frontal view radiographs of the chest and abdomen: a pictorial review. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021, 11, 423-442.	2.0	5
281	Illustration of a number of atypical computed tomography manifestations of active pulmonary tuberculosis. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021, 11, 1651-1667.	2.0	5
282	Quantitative Imaging in Medicine and Surgery: progress & perspective. <i>Quantitative Imaging in Medicine and Surgery</i> , 2013, 3, 1-4.	2.0	5
283	Evaluation of biocompatible alginate- and deferoxamine-coated ternary composites for magnetic resonance imaging and gene delivery into glioblastoma cells. <i>Quantitative Imaging in Medicine and Surgery</i> , 2015, 5, 382-91.	2.0	5
284	Comment on: Zhang Z, et al. Focus on China: should clinicians engage in research? and lessons from other countries. <i>Quant Imaging Med Surg</i> 2014;4:413-25. <i>Quantitative Imaging in Medicine and Surgery</i> , 2014, 4, 430-2.	2.0	5
285	Introduce fair competition mechanism in China healthcare system. <i>Quantitative Imaging in Medicine and Surgery</i> , 2014, 4, 498-9.	2.0	5
286	A long way ahead to improve the cost-effectiveness of biomedical research in China. <i>Journal of Thoracic Disease</i> , 2015, 7, E62-4.	1.4	5
287	Why China is currently underperforming in medical innovation and what China can do about it?-Part I. <i>Quantitative Imaging in Medicine and Surgery</i> , 2015, 5, 332-4.	2.0	5
288	Spleen in viral Hepatitis-B liver fibrosis patients may have a reduced level of per unit micro-circulation: non-invasive diffusion MRI evidence with a surrogate marker. <i>SLAS Technology</i> , 2022, 27, 187-194.	1.9	5

#	ARTICLE	IF	CITATIONS
289	Atypical magnetic resonance imaging findings of craniopharyngioma. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2001, 45, 52-57.	0.6	4
290	Mn-DPDP-enhanced 24-h delayed-scan MRI of hepatocellular carcinoma is correlated with histology. <i>European Radiology</i> , 2004, 14, 743-745.	4.5	4
291	The emerging role of medical radiologists in new drug discovery. <i>British Journal of Radiology</i> , 2005, 78, 1058-1058.	2.2	4
292	Fluid collection within the synovial sheath of the tendon of the flexor hallucis longus muscle in the tarsal joint of rats: an anatomic variant detectable with magnetic resonance imaging. <i>Laboratory Animals</i> , 2006, 40, 58-62.	1.0	4
293	Comment on Jing etÄal. original article "In vivo MR imaging tracking of magnetic iron oxide nanoparticle labeled, engineered, autologous bone marrow mesenchymal stem cells following intra-articular injection". <i>Joint Bone Spine</i> , 2009, 76, 118-119.	1.6	4
294	Disorder enhanced conductance in graphene. <i>Physica B: Condensed Matter</i> , 2015, 478, 84-88.	2.7	4
295	Systemic review and meta-analysis of diagnostic imaging technologies. <i>Quantitative Imaging in Medicine and Surgery</i> , 2016, 6, 615-618.	2.0	4
296	Bilateral Common Carotid Artery Occlusion in Spontaneously Hypertensive Rats: A Feasible Animal Model for Ocular Ischemic Syndrome. <i>Anatomical Record</i> , 2016, 299, 806-814.	1.4	4
297	T1rho shortening effect of fat in liver steatosis after fat suppression: approximate estimation in a methionine and choline-deficient (MCD) diet rat model. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021, 11, 870-875.	2.0	4
298	Abdominal Regional Fat Distribution on MRI Correlates with Cholecystolithiasis. <i>PLoS ONE</i> , 2014, 9, e109776.	2.5	4
299	Diffusion-weighted MRI of the liver: challenges and some solutions for the quantification of apparent diffusion coefficient and intravoxel incoherent motion. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 11, 107-142.	1.0	4
300	Several concerns on grading lumbar disc degeneration on MR image with Pfirrmann criteria. <i>Journal of Orthopaedic Translation</i> , 2022, 32, 101-102.	3.9	4
301	Current Concepts in Imaging Diagnosis and Screening of Blunt Cerebrovascular Injuries. <i>Tomography</i> , 2022, 8, 402-413.	1.8	4
302	Characterisation of brain disorders and evaluation of therapy by functional and molecular magnetic resonance techniques. <i>Hong Kong Medical Journal</i> , 2008, 14, 469-78.	0.1	4
303	Osteoporotic vertebral endplate and/or cortex fracture is not always radiographically detectable. <i>Osteoporosis International</i> , 2022, , 1.	3.1	4
304	Characterization and correction of the effects of hepatic iron on T_1 relaxation in the liver at 3.0T. <i>Magnetic Resonance in Medicine</i> , 0, , .	3.0	4
305	MRI histopathology correlation of N-phenylanthranilic acid induced nephropathy in rats. <i>British Journal of Radiology</i> , 2006, 79, 1009-1010.	2.2	3
306	Activated Src phosphorylation accompanied by both vascular hyperpermeability and dominant bone resorption during destructive repair of steroid-associated osteonecrotic lesions in rabbits. <i>Bone</i> , 2010, 47, S401.	2.9	3

#	ARTICLE	IF	CITATIONS
307	Study of magnetization evolution by using composite spin-lock pulses for T ₁ imaging. , 2012, 2012, 408-11.		3
308	Organic Nitrate Maintains Bone Marrow Blood Perfusion in Ovariectomized Female Rats: A Dynamic, Contrast-Enhanced Magnetic Resonance Imaging (MRI) Study. Pharmaceutics, 2013, 5, 23-35.	4.5	3
309	Medical Imaging Engineering and Technology Branch of the Chinese Society of Biomedical Engineering expert consensus on the application of Emergency Mobile Cabin CT. Quantitative Imaging in Medicine and Surgery, 2020, 10, 2191-2207.	2.0	3
310	Physiological variation of liver iron concentration may not be dominantly responsible for the liver T1rho variations associated with age and gender. Quantitative Imaging in Medicine and Surgery, 2021, 11, 1668-1673.	2.0	3
311	Improving osteoporotic vertebral deformity detection on chest frontal view radiograph by adjusted X-ray beam positioning. Journal of Orthopaedic Translation, 2021, 28, 169-178.	3.9	3
312	Primary thyroid lymphoma: CT findings of a rare malignant tumor with pathologic correlations. Translational Cancer Research, 2017, 6, 578-587.	1.0	3
313	Inner annulus fibrosus in non-degenerated intervertebral disc shows bright signal on T2 weighted MR image. Quantitative Imaging in Medicine and Surgery, 2014, 4, 504.	2.0	3
314	Why China is currently underperforming in medical innovation and what China can do about it?-Part II. Quantitative Imaging in Medicine and Surgery, 2015, 5, 335-9.	2.0	3
315	Association between cine CMR-based radiomics signature and microvascular obstruction in patients with ST-segment elevation myocardial infarction. Journal of Thoracic Disease, 2021, 14, 0-0.	1.4	3
316	Bone marrow derived mesenchymal stem cell labeling using silica-coated superparamagnetic iron oxide nanoparticles: Effects of amine functional peripheries. Bone, 2008, 43, S94-S95.	2.9	2
317	Terahertz pulsed imaging of liver cirrhosis. , 2009, , .		2
318	Biomedical imaging in translational orthopaedic research. Journal of Orthopaedic Translation, 2015, 3, 157-159.	3.9	2
319	Orthopaedic imaging for translational research and clinical application. Journal of Orthopaedic Translation, 2018, 15, A1-A2.	3.9	2
320	Citrate-Coated Magnetic Polyethyleneimine Composites for Plasmid DNA Delivery into Glioblastoma. Polymers, 2021, 13, 2228.	4.5	2
321	Contrast enhanced ultrasound guided biopsy shows higher positive sampling rate than conventional ultrasound guided biopsy for gastrointestinal stromal tumors diagnosis. Translational Cancer Research, 2016, 5, 152-159.	1.0	2
322	Double contrast percutaneous transhepatic cholangiographic CT in patients with obstructive jaundice: an initial experience of 7 cases.. Journal of the Belgian Society of Radiology, 2015, 95, 251.	0.2	2
323	Why so many Chinese clinical doctors are competing for basic research grants?. Quantitative Imaging in Medicine and Surgery, 2015, 5, 489-90.	2.0	2
324	Income of medical doctors in Germany. Quantitative Imaging in Medicine and Surgery, 2015, 5, 488.	2.0	2

#	ARTICLE	IF	CITATIONS
325	Perfusion study on Modic changes of spine based on DCE-MRI. , 2012, , .		1
326	The volumetric relationship of white matter lesion and contrast-enhanced lesion in delayed radiation brain injury: an MRI-based study. British Journal of Neurosurgery, 2013, 27, 662-667.	0.8	1
327	Automatic detection of arterial input function in dynamic contrast enhanced MRI based on affinity propagation clustering. Journal of Magnetic Resonance Imaging, 2014, 39, spcone-spcone.	3.4	1
328	Improving intra-voxel incoherent motion MRI quantification using wild bootstrap. , 2014, , .		1
329	Improved quantification of chemical exchange saturation transfer (CEST) MRI using nonlocal means. , 2014, , .		1
330	Will the science and technology gap between China and USA becomes narrower, wider, or stay in the same in 50 yearsâ€™ time?. Quantitative Imaging in Medicine and Surgery, 2016, 6, 233-237.	2.0	1
331	Superparamagnetic Iron Oxide Nanoparticles for Cellular Imaging and Targeted Therapy: Opportunities and Challenges for Clinical Translation. , 2016, , 29-51.		1
332	Appropriate Normal Range of Lumbar Disc T1rho of Men and Women with Respect to Physiological Aging. RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren, 2018, 190, 560-560.	1.3	1
333	More promising results of liver intravoxel incoherent motion imaging analysis for the assessment of nonalcoholic steatohepatitis and fibrosis. Annals of Translational Medicine, 2021, 9, 1283-1283.	1.7	1
334	Why China is currently underperforming in medical innovation and what China can do about it?-Part III: social psychology and evolutionary psychology perspectives. Quantitative Imaging in Medicine and Surgery, 2015, 5, 494-502.	2.0	1
335	On pancreatic cancer screening by magnetic resonance imaging with the recent evidence by Del Chiaro and colleagues. Chinese Journal of Cancer Research: Official Journal of China Anti-Cancer Association, Beijing Institute for Cancer Research, 2015, 27, 417-22.	2.2	1
336	Transforming a clinical fluorescent dye to sense and treat iron overload disorders: a new reverse translational approach in precision medicine. Quantitative Imaging in Medicine and Surgery, 2022, 12, 3020-3023.	2.0	1
337	Novel one-dimensional Mn—Fe oxide nanowires for cell labeling and magnetic resonance imaging. , 2008, , .		0
338	Dynamic Contrast-Enhanced Magnetic Resonance Imaging of the Musculoskeletal System: Basic Principles and Clinical Applications in Bone Sarcomas and Rheumatoid Arthritis. , 2008, , 729-748.		0
339	Noninvasive Evaluation of Knee Cartilage Morphology by Magnetic Resonance Imaging. , 2008, , 749-769.		0
340	Investigating the role of water content on the terahertz properties of rat liver cirrhosis. , 2010, , .		0
341	Higher lumbar bone mineral density is associated with narrowed intervertebral disc space, but not higher hip bone mineral density: A study in 359 elderly subjects. Bone, 2010, 47, S445.	2.9	0
342	Terahertz time domain spectroscopy of rat skin tissues. , 2013, , .		0

#	ARTICLE	IF	CITATIONS
343	TO THE EDITOR. Spine, 2013, 38, 201.	2.0	0
344	Evaluation of Disease Stage of Radiation-Induced Brain Injury: a DTI Study with Pathological Correlation. Applied Magnetic Resonance, 2014, 45, 427-436.	1.2	0
345	Preface to 2017 focused issue: Quantitative Imaging of Thoracic Diseases. Journal of Thoracic Disease, 2017, 9, 4723-4723.	1.4	0
346	Preface to 2017 focused issue: Translational Imaging in Cancer Patient Care. Translational Cancer Research, 2017, 6, 1028-1031.	1.0	0
347	The role of Chaoyang People's Hospital for the development of trioxide as an effective treatment for acute promyelocytic leukemia treatment. Quantitative Imaging in Medicine and Surgery, 2015, 5, 791.	2.0	0
348	A rapid deteriorated primary cerebellar Burkitt lymphomas with tiger-striped appearance. Japanese Journal of Clinical Oncology, 2022, , .	1.3	0