

Yǎn Xiǎng J Wǎng

List of Publications by Year in descending order

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348
papers

15,485
citations

22099

59
h-index

23472

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.	2.3	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.	1.1	636
3	Multifunctional biohybrid magnetite microrobots for imaging-guided therapy. <i>Science Robotics</i> , 2017, 2, .	9.9	594
4	Automatic Tuberculosis Screening Using Chest Radiographs. <i>IEEE Transactions on Medical Imaging</i> , 2014, 33, 233-245.	5.4	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.	3.2	387
6	Dietary cholesterol drives fatty liver-associated liver cancer by modulating gut microbiota and metabolites. <i>Gut</i> , 2021, 70, 761-774.	6.1	382
7	Metal-Organic Framework-Based Nanomedicine Platforms for Drug Delivery and Molecular Imaging. <i>Small</i> , 2015, 11, 4806-4822.	5.2	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.	1.1	370
9	Modified Pfirrmann Grading System for Lumbar Intervertebral Disc Degeneration. <i>Spine</i> , 2007, 32, E708-E712.	1.0	367
10	A delivery system targeting bone formation surfaces to facilitate RNAi-based anabolic therapy. <i>Nature Medicine</i> , 2012, 18, 307-314.	15.2	354
11	Preparation, Characterization, and Catalytic Activity of Core/Shell Fe ₃ O ₄ @Polyaniline@Au Nanocomposites. <i>Langmuir</i> , 2009, 25, 11835-11843.	1.6	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.	5.7	240
13	Terahertz spectroscopy of liver cirrhosis: investigating the origin of contrast. <i>Physics in Medicine and Biology</i> , 2010, 55, 7587-7596.	1.6	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.	4.0	197
16	Current status of superparamagnetic iron oxide contrast agents for liver magnetic resonance imaging. <i>World Journal of Gastroenterology</i> , 2015, 21, 13400.	1.4	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.	1.1	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.	1.6	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.	1.3	164
20	Endoscopy-assisted magnetic navigation of biohybrid soft microrobots with rapid endoluminal delivery and imaging. <i>Science Robotics</i> , 2021, 6, .	9.9	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.	1.1	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.	1.5	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.	1.4	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.	0.8	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.	4.0	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.	3.6	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.	1.0	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.	1.9	114
29	Evolution of Radiation-induced Brain Injury: MR Imaging-based Study. <i>Radiology</i> , 2010, 254, 210-218.	3.6	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.	1.1	113
31	Tissue characterization using terahertz pulsed imaging in reflection geometry. <i>Physics in Medicine and Biology</i> , 2009, 54, 149-160.	1.6	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.	0.9	102
33	Imaging-guided delivery of RNAi for anticancer treatment. <i>Advanced Drug Delivery Reviews</i> , 2016, 104, 44-60.	6.6	102
34	A promising diagnostic method: Terahertz pulsed imaging and spectroscopy. <i>World Journal of Radiology</i> , 2011, 3, 55.	0.5	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.	1.0	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.	1.3	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.	1.4	94
38	Cellular uptake behaviour, photothermal therapy performance, and cytotoxicity of gold nanorods with various coatings. <i>Nanoscale</i> , 2014, 6, 11462-11472.	2.8	92
39	Advance of Molecular Imaging Technology and Targeted Imaging Agent in Imaging and Therapy. <i>BioMed Research International</i> , 2014, 2014, 1-12.	0.9	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.	1.3	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.	4.1	84
42	Effect of Menopause on Lumbar Disk Degeneration: Potential Etiology. <i>Radiology</i> , 2010, 257, 318-320.	3.6	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.	3.3	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.	2.5	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.	2.3	76
46	Synthesis of Absorption-Dominant Small Gold Nanorods and Their Plasmonic Properties. <i>Langmuir</i> , 2015, 31, 7418-7426.	1.6	76
47	Reduced Bone Perfusion in Osteoporosis: Likely Causes in an Ovariectomy Rat Model. <i>Radiology</i> , 2010, 254, 739-746.	3.6	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.	2.9	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.	1.1	72
50	Hepatic Sinusoidal Obstruction Syndrome Caused by Herbal Medicine: CT and MRI Features. <i>Korean Journal of Radiology</i> , 2014, 15, 218.	1.5	67
51	Identifying osteoporotic vertebral endplate and cortex fractures. <i>Quantitative Imaging in Medicine and Surgery</i> , 2017, 7, 555-591.	1.1	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.	0.7	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.	0.9	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.	2.8	65
56	Prevalence and risk factors of lumbar spondylolisthesis in elderly Chinese men and women. <i>European Radiology</i> , 2014, 24, 441-448.	2.3	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.	1.1	64
58	T1Ïmagnetic resonance: basic physics principles and applications in knee and intervertebral disc imaging. <i>Quantitative Imaging in Medicine and Surgery</i> , 2015, 5, 858-85.	1.1	62
59	Chemoembolization agents for cancer treatment. <i>European Journal of Pharmaceutical Sciences</i> , 2011, 44, 1-10.	1.9	61
60	Opportunities and Challenges of Fluorescent Carbon Dots in Translational Optical Imaging. <i>Current Pharmaceutical Design</i> , 2015, 21, 5401-5416.	0.9	61
61	Durable Mesenchymal Stem Cell Labelling by Using Polyhedral Superparamagnetic Iron Oxide Nanoparticles. <i>Chemistry - A European Journal</i> , 2009, 15, 12417-12425.	1.7	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.	4.0	59
63	Amide proton transfer-weighted imaging of the head and neck at 3â€‰T: a feasibility study on healthy human subjects and patients with head and neck cancer. <i>NMR in Biomedicine</i> , 2014, 27, 1239-1247.	1.6	57
64	MR T1Ïas 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.	2.3	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.	1.2	55
66	Photocytotoxicity and Magnetic Relaxivity Responses of Dual-Porous Î³-Fe ₂ O ₃ @meso-SiO ₂ Microspheres. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 2033-2040.	4.0	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.	0.9	50
68	Medical imaging in pharmaceutical clinical trials: what radiologists should know. <i>Clinical Radiology</i> , 2005, 60, 1051-1057.	0.5	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.	1.3	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.	1.1	48
71	Inâ€…Vivo 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.	7.2	47
72	Head and Neck Tumors: Amide Proton Transfer MRI. <i>Radiology</i> , 2018, 288, 782-790.	3.6	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.	1.0	46
74	Icaritin, an Exogenous Phytomolecule, Enhances Osteogenesis but Not Angiogenesis—An In Vitro Efficacy Study. <i>PLoS ONE</i> , 2012, 7, e41264.	1.1	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.	0.7	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.	1.4	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.	1.1	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.	1.4	41
80	Menopause causes vertebral endplate degeneration and decrease in nutrient diffusion to the intervertebral discs. <i>Medical Hypotheses</i> , 2011, 77, 18-20.	0.8	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.	1.9	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.	2.6	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.	1.1	40
84	N-Nitrosodiethylamine-Induced Pig Liver Hepatocellular Carcinoma Model: Radiological and Histopathological Studies. <i>CardioVascular and Interventional Radiology</i> , 2006, 29, 420-428.	0.9	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.	1.2	38
86	High Serum SHBG Predicts Incident Vertebral Fractures in Elderly Men. <i>Journal of Bone and Mineral Research</i> , 2016, 31, 683-689.	3.1	38
87	Informed appropriate imaging for low back pain management: A narrative review. <i>Journal of Orthopaedic Translation</i> , 2018, 15, 21-34.	1.9	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.	0.5	38
89	An Analysis of 1256 Cases of Sporadic Ruptured Cerebral Aneurysm in a Single Chinese Institution. <i>PLoS ONE</i> , 2014, 9, e85668.	1.1	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.	1.1	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.	0.7	37
92	New Progress in Angiogenesis Therapy of Cardiovascular Disease by Ultrasound Targeted Microbubble Destruction. <i>BioMed Research International</i> , 2014, 2014, 1-12.	0.9	37
93	Postmenopausal Chinese women show accelerated lumbar disc degeneration compared with Chinese men. <i>Journal of Orthopaedic Translation</i> , 2015, 3, 205-211.	1.9	36
94	Osteoporotic vertebral endplate and cortex fractures: A pictorial review. <i>Journal of Orthopaedic Translation</i> , 2018, 15, 35-49.	1.9	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.	1.1	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.	0.4	34
97	Lumbar Spondylolisthesis Progression and De Novo Spondylolisthesis in Elderly Chinese Men and Women. <i>Spine</i> , 2016, 41, 1096-1103.	1.0	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.	1.9	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.	1.0	31
100	Topics on quantitative liver magnetic resonance imaging. <i>Quantitative Imaging in Medicine and Surgery</i> , 2019, 9, 1840-1890.	1.1	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.	0.7	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.	0.7	31
103	Evaluation of liver fibrosis with T1ρ-MR imaging. <i>Quantitative Imaging in Medicine and Surgery</i> , 2014, 4, 152-5.	1.1	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.	1.5	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.	2.6	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.	1.1	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.	1.0	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.	1.1	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.	0.5	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.	1.9	28
111	Evidence based imaging strategies for solitary pulmonary nodule. <i>Journal of Thoracic Disease</i> , 2014, 6, 872-87.	0.6	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.	1.9	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.	1.3	27
114	Optimized efficient liver T ₁ mapping using limited spin lock times. <i>Physics in Medicine and Biology</i> , 2012, 57, 1631-1640.	1.6	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.	1.3	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.	1.1	27
117	The role of radiography in the study of spinal disorders. <i>Quantitative Imaging in Medicine and Surgery</i> , 2020, 10, 2322-2355.	1.1	27
118	MR imaging for acute pancreatitis: the current status of clinical applications. <i>Annals of Translational Medicine</i> , 2019, 7, 269-269.	0.7	27
119	In vivo magnetic resonance imaging of animal models of knee osteoarthritis. <i>Laboratory Animals</i> , 2008, 42, 246-264.	0.5	26
120	Biological and Magnetic Contrast Evaluation of Shape-Selective Mn ²⁺ /Fe Nanowires. <i>IEEE Transactions on Nanobioscience</i> , 2009, 8, 192-198.	2.2	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.	1.6	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.	3.1	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.	1.1	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.	1.9	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.	1.1	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.	1.9	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.	1.6	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.	1.1	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.	0.5	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.	1.9	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.	2.8	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.	1.1	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.	0.7	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.	1.9	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.	0.5	23
136	Senile osteoporosis is associated with disc degeneration. <i>Quantitative Imaging in Medicine and Surgery</i> , 2018, 8, 551-556.	1.1	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.	1.1	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.	1.2	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.	2.2	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.	0.9	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.	0.7	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.	1.0	22
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