

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

243 papers	10,829 citations	45 h-index	98 g-index
261 ext. papers	11,832 ext. citations	5.5 avg, IF	5.7 L-index

#	Paper	IF	Citations
243	Artificially engineered magnetic nanoparticles for ultra-sensitive molecular imaging. <i>Nature Medicine</i> , 2007 , 13, 95-9	50.5	1583
242	Nanoscale size effect of magnetic nanocrystals and their utilization for cancer diagnosis via magnetic resonance imaging. <i>Journal of the American Chemical Society</i> , 2005 , 127, 5732-3	16.4	1034
241	In vivo magnetic resonance detection of cancer by using multifunctional magnetic nanocrystals. <i>Journal of the American Chemical Society</i> , 2005 , 127, 12387-91	16.4	768
240	Overcoming artifacts from metallic orthopedic implants at high-field-strength MR imaging and multi-detector CT. <i>Radiographics</i> , 2007 , 27, 791-803	5.4	394
239	Convertible organic nanoparticles for near-infrared photothermal ablation of cancer cells. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 441-4	16.4	374
238	Multifunctional magneto-polymeric nanohybrids for targeted detection and synergistic therapeutic effects on breast cancer. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 8836-9	16.4	287
237	Surface modulation of magnetic nanocrystals in the development of highly efficient magnetic resonance probes for intracellular labeling. <i>Journal of the American Chemical Society</i> , 2005 , 127, 9992-3	16.4	287
236	Hollow silica nanocontainers as drug delivery vehicles. <i>Langmuir</i> , 2008 , 24, 3417-21	4	218
235	Metal artefact reduction in gemstone spectral imaging dual-energy CT with and without metal artefact reduction software. <i>European Radiology</i> , 2012 , 22, 1331-40	8	196
234	pH-triggered drug-releasing magnetic nanoparticles for cancer therapy guided by molecular imaging by MRI. <i>Advanced Materials</i> , 2011 , 23, 2436-42	24	174
233	Antibody conjugated magnetic PLGA nanoparticles for diagnosis and treatment of breast cancer. <i>Journal of Materials Chemistry</i> , 2007 , 17, 2695		152
232	Smart drug-loaded polymer gold nanoshells for systemic and localized therapy of human epithelial cancer. <i>Advanced Materials</i> , 2009 , 21, 4339-42	24	138
231	Prostate cancer cell death produced by the co-delivery of Bcl-xL shRNA and doxorubicin using an aptamer-conjugated polyplex. <i>Biomaterials</i> , 2010 , 31, 4592-9	15.6	138
230	Nanoparticle-enabled terahertz imaging for cancer diagnosis. <i>Optics Express</i> , 2009 , 17, 3469-75	3.3	127
229	Urchin-shaped manganese oxide nanoparticles as pH-responsive activatable T1 contrast agents for magnetic resonance imaging. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 10589-93	16.4	126
228	Chronic tibiofibular syndesmosis injury: the diagnostic efficiency of magnetic resonance imaging and comparative analysis of operative treatment. <i>Foot and Ankle International</i> , 2007 , 28, 336-42	3.3	120
227	Scoliosis imaging: what radiologists should know. <i>Radiographics</i> , 2010 , 30, 1823-42	5.4	119

226	Extraaxial neurofibromas versus neurilemmomas: discrimination with MRI. <i>American Journal of Roentgenology</i> , 2004 , 183, 629-33	5.4	110
225	Study of freshly excised brain tissues using terahertz imaging. <i>Biomedical Optics Express</i> , 2014 , 5, 2837-43	3.5	108
224	Hyaluronan-modified magnetic nanoclusters for detection of CD44-overexpressing breast cancer by MR imaging. <i>Biomaterials</i> , 2011 , 32, 7941-50	15.6	98
223	Prognostic implications of PD-L1 expression in patients with soft tissue sarcoma. <i>BMC Cancer</i> , 2016 , 16, 434	4.8	93
222	Role of magnetic resonance imaging in entrapment and compressive neuropathy--what, where, and how to see the peripheral nerves on the musculoskeletal magnetic resonance image: part 2. Upper extremity. <i>European Radiology</i> , 2007 , 17, 509-22	8	90
221	Targetable gold nanorods for epithelial cancer therapy guided by near-IR absorption imaging. <i>Small</i> , 2012 , 8, 746-53	11	87
220	Fluorescent magnetic nanohybrids as multimodal imaging agents for human epithelial cancer detection. <i>Biomaterials</i> , 2008 , 29, 2548-55	15.6	84
219	Consecutive targetable smart nanoprobe for molecular recognition of cytoplasmic microRNA in metastatic breast cancer. <i>ACS Nano</i> , 2012 , 6, 8525-35	16.7	74
218	Role of magnetic resonance imaging in entrapment and compressive neuropathy - what, where, and how to see the peripheral nerves on the musculoskeletal magnetic resonance image: part 1. Overview and lower extremity. <i>European Radiology</i> , 2007 , 17, 139-49	8	73
217	Molecular imaging with terahertz waves. <i>Optics Express</i> , 2011 , 19, 4009-16	3.3	72
216	Synthesis of Ultrasensitive Magnetic Resonance Contrast Agents for Cancer Imaging Using PEG-Fatty Acid. <i>Chemistry of Materials</i> , 2007 , 19, 3870-3876	9.6	68
215	Intrinsic ligament and triangular fibrocartilage complex (TFCC) tears of the wrist: comparison of isovolumetric 3D-THRIVE sequence MR arthrography and conventional MR image at 3 T. <i>Magnetic Resonance Imaging</i> , 2013 , 31, 221-6	3.3	67
214	Terahertz reflectometry imaging for low and high grade gliomas. <i>Scientific Reports</i> , 2016 , 6, 36040	4.9	64
213	Measurement depth enhancement in terahertz imaging of biological tissues. <i>Optics Express</i> , 2013 , 21, 21299-305	3.3	63
212	Specific Near-IR Absorption Imaging of Glioblastomas Using Integrin-Targeting Gold Nanorods. <i>Advanced Functional Materials</i> , 2011 , 21, 1082-1088	15.6	59
211	Thiolated dextran-coated gold nanorods for photothermal ablation of inflammatory macrophages. <i>Langmuir</i> , 2010 , 26, 17520-7	4	58
210	Chitosan-based intelligent theragnosis nanocomposites enable pH-sensitive drug release with MR-guided imaging for cancer therapy. <i>Nanoscale Research Letters</i> , 2013 , 8, 467	5	56
209	Convertible Organic Nanoparticles for Near-Infrared Photothermal Ablation of Cancer Cells. <i>Angewandte Chemie</i> , 2011 , 123, 461-464	3.6	54

208	Tumor volume change as a predictor of chemotherapeutic response in osteosarcoma. <i>Clinical Orthopaedics and Related Research</i> , 2000 , 200-8	2.2	53
207	Imaging of primary chest wall tumors with radiologic-pathologic correlation. <i>Radiographics</i> , 2011 , 31, 749-70	5.4	52
206	Nanovesicle-mediated systemic delivery of microRNA-34a for CD44 overexpressing gastric cancer stem cell therapy. <i>Biomaterials</i> , 2016 , 105, 12-24	15.6	52
205	Self-assembled fluorescent magnetic nanoprobe for multimode-biomedical imaging. <i>Biomaterials</i> , 2010 , 31, 9310-9	15.6	50
204	Morton neuroma: evaluated with ultrasonography and MR imaging. <i>Korean Journal of Radiology</i> , 2007 , 8, 148-55	6.9	49
203	Anatomic variations and MRI of the intermalleolar ligament. <i>American Journal of Roentgenology</i> , 2006 , 186, 943-7	5.4	49
202	Bursitis in association with solitary osteochondromas presenting as mass lesions. <i>Skeletal Radiology</i> , 1991 , 20, 513-6	2.7	49
201	Subcutaneous and musculoskeletal sparganosis: imaging characteristics and pathologic correlation. <i>Skeletal Radiology</i> , 2000 , 29, 402-8	2.7	48
200	Feasibility of terahertz reflectometry for discrimination of human early gastric cancers. <i>Biomedical Optics Express</i> , 2015 , 6, 1398-406	3.5	47
199	Gold nanostructures as photothermal therapy agent for cancer. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2011 , 11, 953-64	2.2	46
198	Chondroblastoma: MR characteristics with pathologic correlation. <i>Journal of Computer Assisted Tomography</i> , 1999 , 23, 721-6	2.2	43
197	A biodegradable polymersome containing Bcl-xL siRNA and doxorubicin as a dual delivery vehicle for a synergistic anticancer effect. <i>Macromolecular Bioscience</i> , 2013 , 13, 745-54	5.5	42
196	Soft tissue impingement syndrome of the ankle: diagnostic efficacy of MRI and clinical results after arthroscopic treatment. <i>Foot and Ankle International</i> , 2004 , 25, 896-902	3.3	42
195	Anchored proteinase-targetable optomagnetic nanoprobe for molecular imaging of invasive cancer cells. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 945-8	16.4	41
194	Efficacy of multidetector row computed tomography of the spine in patients with multiple myeloma: comparison with magnetic resonance imaging and fluorodeoxyglucose-positron emission tomography. <i>Journal of Computer Assisted Tomography</i> , 2007 , 31, 342-7	2.2	41
193	Usefulness of slice encoding for metal artifact correction (SEMAC) for reducing metallic artifacts in 3-T MRI. <i>Magnetic Resonance Imaging</i> , 2013 , 31, 703-6	3.3	40
192	Anterior-inferior labral lesions of recurrent shoulder dislocation evaluated by MR arthrography in an adduction internal rotation (ADIR) position. <i>Journal of Magnetic Resonance Imaging</i> , 2006 , 23, 29-35	5.6	38
191	Chronic tibiofibular syndesmosis injury of ankle: evaluation with contrast-enhanced fat-suppressed 3D fast spoiled gradient-recalled acquisition in the steady state MR imaging. <i>Radiology</i> , 2007 , 242, 225-35	20.5	38

190	Venous malformations: sclerotherapy with a mixture of ethanol and lipiodol. <i>CardioVascular and Interventional Radiology</i> , 1997 , 20, 268-73	2.7	37
189	In situ detection of live cancer cells by using bioprobes based on Au nanoparticles. <i>Langmuir</i> , 2008 , 24, 12112-5	4	36
188	In vivo MR imaging of tissue-engineered human mesenchymal stem cells transplanted to mouse: a preliminary study. <i>Annals of Biomedical Engineering</i> , 2007 , 35, 101-8	4.7	36
187	MR imaging of tuberculous arthritis: clinical and experimental studies. <i>Journal of Magnetic Resonance Imaging</i> , 1996 , 6, 185-9	5.6	35
186	Aptamer-modified magnetic nanoprobe for molecular MR imaging of VEGFR2 on angiogenic vasculature. <i>Nanoscale Research Letters</i> , 2013 , 8, 399	5	34
185	Gadolinium-enriched polyaniline particles (GPAPs) for simultaneous diagnostic imaging and localized photothermal therapy of epithelial cancer. <i>Advanced Healthcare Materials</i> , 2014 , 3, 1408-14	10.1	33
184	Hyaluronic acid receptor-targetable imidazolized nanovectors for induction of gastric cancer cell death by RNA interference. <i>Biomaterials</i> , 2013 , 34, 4327-38	15.6	33
183	Correlation of laminated MR appearance of articular cartilage with histology, ascertained by artificial landmarks on the cartilage. <i>Journal of Magnetic Resonance Imaging</i> , 1999 , 10, 57-64	5.6	32
182	Efficient CD44-targeted magnetic resonance imaging (MRI) of breast cancer cells using hyaluronic acid (HA)-modified MnFe ₂ O ₄ nanocrystals. <i>Nanoscale Research Letters</i> , 2013 , 8, 149	5	31
181	A highly crystalline manganese-doped iron oxide nanocontainer with predesigned void volume and shape for theranostic applications. <i>Advanced Materials</i> , 2013 , 25, 3202-8	24	31
180	Characterization of blood using terahertz waves. <i>Journal of Biomedical Optics</i> , 2013 , 18, 107008	3.5	31
179	Sensitive angiogenesis imaging of orthotopic bladder tumors in mice using a selective magnetic resonance imaging contrast agent containing VEGF121/rGel. <i>Investigative Radiology</i> , 2011 , 46, 441-9	10.1	31
178	Synovitis and soft tissue impingement of the ankle: assessment with enhanced three-dimensional FSPGR MR imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2004 , 19, 108-16	5.6	31
177	Reassessment of alkaline phosphatase as serum tumor marker with high specificity in osteosarcoma. <i>Cancer Medicine</i> , 2017 , 6, 1311-1322	4.8	30
176	Br-Assisted Ostwald Ripening of Au Nanoparticles under H ₂ O ₂ Redox. <i>Crystal Growth and Design</i> , 2012 , 12, 37-39	3.5	30
175	Comparison of Multi-Echo Dixon Methods with Volume Interpolated Breath-Hold Gradient Echo Magnetic Resonance Imaging in Fat-Signal Fraction Quantification of Paravertebral Muscle. <i>Korean Journal of Radiology</i> , 2015 , 16, 1086-95	6.9	29
174	Dextran-coated magnetic nanoclusters as highly sensitive contrast agents for magnetic resonance imaging of inflammatory macrophages. <i>Journal of Materials Chemistry</i> , 2011 , 21, 12473		29
173	Synthesis of gold nanorod-embedded polymeric nanoparticles by a nanoprecipitation method for use as photothermal agents. <i>Nanotechnology</i> , 2009 , 20, 365602	3.4	29

172	Pain palliation in patients with bone metastases using magnetic resonance-guided focused ultrasound with conformal bone system: a preliminary report. <i>Yonsei Medical Journal</i> , 2015 , 56, 503-9	3	28
171	Cancer Diagnosis by Terahertz Molecular Imaging Technique. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2012 , 33, 74-81	2.2	27
170	Aptamer-conjugated magnetic nanoparticles enable efficient targeted detection of integrin $\alpha_5\beta_1$ via magnetic resonance imaging. <i>Journal of Biomedical Materials Research - Part A</i> , 2014 , 102, 49-59	5.4	27
169	Novel multifunctional PHDCA/PEI nano-drug carriers for simultaneous magnetically targeted cancer therapy and diagnosis via magnetic resonance imaging. <i>Nanotechnology</i> , 2007 , 18, 475105	3.4	27
168	MR appearance of distal femoral cortical irregularity (cortical desmoid). <i>Journal of Computer Assisted Tomography</i> , 1996 , 20, 328-32	2.2	27
167	Postoperative nomogram to predict the probability of metastasis in Enneking stage IIB extremity osteosarcoma. <i>BMC Cancer</i> , 2014 , 14, 666	4.8	26
166	Nanograting-based plasmon enhancement for total internal reflection fluorescence microscopy of live cells. <i>Nanotechnology</i> , 2009 , 20, 015202	3.4	26
165	In vivo magnetic resonance imaging of injected mesenchymal stem cells in rat myocardial infarction; simultaneous cell tracking and left ventricular function measurement. <i>International Journal of Cardiovascular Imaging</i> , 2009 , 25 Suppl 1, 99-109	2.5	26
164	Terahertz spectroscopic imaging and properties of gastrointestinal tract in a rat model. <i>Biomedical Optics Express</i> , 2014 , 5, 4162-70	3.5	25
163	Role of surface charge in cytotoxicity of charged manganese ferrite nanoparticles towards macrophages. <i>Nanotechnology</i> , 2012 , 23, 505702	3.4	25
162	Four-dimensional real-time cine images of wrist joint kinematics using dual source CT with minimal time increment scanning. <i>Yonsei Medical Journal</i> , 2013 , 54, 1026-32	3	25
161	MR evaluation of radiation synovectomy of the knee by means of intra-articular injection of holmium-166-chitosan complex in patients with rheumatoid arthritis: results at 4-month follow-up. <i>Korean Journal of Radiology</i> , 2003 , 4, 170-8	6.9	25
160	Magnetic resonance imaging of articular cartilage. <i>European Radiology</i> , 2001 , 11, 2015-25	8	25
159	Role of the inflamed synovial volume of the wrist in defining remission of rheumatoid arthritis with gadolinium-enhanced 3D-SPGR MR imaging. <i>Journal of Magnetic Resonance Imaging</i> , 1999 , 10, 202-8	5.6	25
158	Self-fabricated dextran-coated gold nanoparticles using pyrenyl dextran as a reducible stabilizer and their application as CT imaging agents for atherosclerosis. <i>Journal of Materials Chemistry</i> , 2012 , 22, 17518		24
157	Localized surface plasmon resonance based nanobiosensor for biomarker detection of invasive cancer cells. <i>Journal of Biomedical Optics</i> , 2014 , 19, 051202	3.5	24
156	MRI of chondromyxoid fibroma. <i>Acta Radiologica</i> , 2011 , 52, 875-80	2	24
155	Nanomechanical in situ monitoring of proteolysis of peptide by Cathepsin B. <i>PLoS ONE</i> , 2009 , 4, e6248	3.7	23

154	Chondromalacia of the knee: evaluation with a fat-suppression three-dimensional SPGR imaging after intravenous contrast injection. <i>Journal of Magnetic Resonance Imaging</i> , 1996 , 6, 884-8	5.6	23
153	Proton magnetic resonance spectroscopy of musculoskeletal lesions at 3 T with metabolite quantification. <i>Clinical Imaging</i> , 2010 , 34, 47-52	2.7	22
152	Anatomy and magnetic resonance imaging of the posterolateral structures of the knee. <i>Clinical Anatomy</i> , 1997 , 10, 397-404	2.5	22
151	Prognostic Model to Predict Survival Outcome for Curatively Resected Liposarcoma: A Multi-Institutional Experience. <i>Journal of Cancer</i> , 2016 , 7, 1174-80	4.5	22
150	Accelerating knee MR imaging: Compressed sensing in isotropic three-dimensional fast spin-echo sequence. <i>Magnetic Resonance Imaging</i> , 2018 , 46, 90-97	3.3	21
149	Self-labeled magneto nanoprobe using tri-aminated polysorbate 80 for detection of human mesenchymal stem cells. <i>Journal of Materials Chemistry</i> , 2009 , 19, 8958		21
148	Synthesis of water soluble PEGylated magnetic complexes using mPEG-fatty acid for biomedical applications. <i>Colloids and Surfaces B: Biointerfaces</i> , 2008 , 64, 111-7	6	21
147	MR Quantification of the Fatty Fraction from T2*-corrected Dixon Fat/Water Separation Volume-interpolated Breathhold Examination (VIBE) in the Assessment of Muscle Atrophy in Rotator Cuff Tears. <i>Academic Radiology</i> , 2015 , 22, 909-17	4.3	20
146	Correlations of 3T DCE-MRI quantitative parameters with microvessel density in a human-colorectal-cancer xenograft mouse model. <i>Korean Journal of Radiology</i> , 2011 , 12, 722-30	6.9	20
145	Magnetic sensitivity enhanced novel fluorescent magnetic silica nanoparticles for biomedical applications. <i>Nanotechnology</i> , 2008 , 19, 075610	3.4	20
144	Value of the Strain Ratio on Ultrasonic Elastography for Differentiation of Benign and Malignant Soft Tissue Tumors. <i>Journal of Ultrasound in Medicine</i> , 2017 , 36, 121-127	2.9	19
143	Accuracy of Diffusion Tensor Imaging for Diagnosing Cervical Spondylotic Myelopathy in Patients Showing Spinal Cord Compression. <i>Korean Journal of Radiology</i> , 2015 , 16, 1303-12	6.9	19
142	Differentiation between focal malignant marrow-replacing lesions and benign red marrow deposition of the spine with T2*-corrected fat-signal fraction map using a three-echo volume interpolated breath-hold gradient echo Dixon sequence. <i>Korean Journal of Radiology</i> , 2014 , 15, 781-91	6.9	19
141	Enhancement of magnetic resonance contrast effect using ionic magnetic clusters. <i>Journal of Colloid and Interface Science</i> , 2008 , 319, 429-34	9.3	19
140	Intravascular papillary endothelial hyperplasia of the extremities: MR imaging findings with pathologic correlation. <i>European Radiology</i> , 2004 , 14, 822-6	8	19
139	Photothermal ablation of cancer cells using self-doped polyaniline nanoparticles. <i>Nanotechnology</i> , 2016 , 27, 185104	3.4	19
138	Aptamer-conjugated gold nanorod for photothermal ablation of epidermal growth factor receptor-overexpressed epithelial cancer. <i>Journal of Biomedical Optics</i> , 2014 , 19, 051203	3.5	18
137	Rapid acquisition of magnetic resonance imaging of the shoulder using three-dimensional fast spin echo sequence with compressed sensing. <i>Magnetic Resonance Imaging</i> , 2017 , 42, 152-157	3.3	18

- 136 Contrast enhancement pattern and frequency of previously unoperated lumbar discs on MRI. *Journal of Magnetic Resonance Imaging*, **1997**, 7, 575-8 5.6 18
- 135 Smart nanoprobes for ultrasensitive detection of breast cancer via magnetic resonance imaging. *Nanotechnology*, **2008**, 19, 485101 3.4 18
- 134 Hyaluronan nanocarriers for CD44-targeted and pH-boosted aromatic drug delivery. *Journal of Materials Chemistry B*, **2013**, 1, 5686-5693 7.3 17
- 133 CD44-specific supramolecular hydrogels for fluorescence molecular imaging of stem-like gastric cancer cells. *Integrative Biology (United Kingdom)*, **2013**, 5, 669-72 3.7 17
- 132 Highly selective CD44-specific gold nanorods for photothermal ablation of tumorigenic subpopulations generated in MCF7 mammospheres. *Nanotechnology*, **2012**, 23, 465101 3.4 17
- 131 Ambidextrous magnetic nanovectors for synchronous gene transfection and labeling of human MSCs. *Biomaterials*, **2011**, 32, 6174-82 15.6 17
- 130 Self-Doped Conjugated Polymeric Nanoassembly by Simplified Process for Optical Cancer Theragnosis. *Advanced Functional Materials*, **2015**, 25, 2260-2269 15.6 16
- 129 Quantitative T Mapping of Knee Cartilage: Comparison between the Synthetic MR Imaging and the CPMG Sequence. *Magnetic Resonance in Medical Sciences*, **2018**, 17, 344-349 2.9 16
- 128 Weighted subtraction in 3D ultrashort echo time (UTE) imaging for visualization of short T2 tissues of the knee. *Acta Radiologica*, **2014**, 55, 454-61 2 16
- 127 Variations in dose distribution and optical properties of Gafchromic(TM) EBT2 film according to scanning mode. *Medical Physics*, **2012**, 39, 2524-35 4.4 16
- 126 Response evaluation of giant-cell tumor of bone treated by denosumab: Histogram and texture analysis of CT images. *Journal of Orthopaedic Science*, **2018**, 23, 570-577 1.6 15
- 125 Detection of vertebral metastases: a comparison between the modified Dixon turbo spin echo T weighted MRI and conventional T weighted MRI: a preliminary study in a tertiary centre. *British Journal of Radiology*, **2018**, 91, 20170782 3.4 15
- 124 Fat fraction estimation of morphologically normal lumbar vertebrae using the two-point mDixon turbo spin-echo MRI with flexible echo times and multipeak spectral model of fat: Comparison between cancer and non-cancer patients. *Magnetic Resonance Imaging*, **2016**, 34, 1114-20 3.3 15
- 123 In vivo sensing of proteolytic activity with an NSET-based NIR fluorogenic nanosensor. *Biosensors and Bioelectronics*, **2016**, 77, 471-7 11.8 15
- 122 Enhancement of cellular binding efficiency and cytotoxicity using polyethylene glycol base triblock copolymeric nanoparticles for targeted drug delivery. *Journal of Biomedical Materials Research - Part A*, **2008**, 84, 273-80 5.4 15
- 121 Intracellular translocation of superparamagnetic iron oxide nanoparticles encapsulated with peptide-conjugated poly(D,L lactide-co-glycolide). *Journal of Applied Physics*, **2005**, 97, 10Q913 2.5 15
- 120 Molecular recognition of proteolytic activity in metastatic cancer cells using fluorogenic gold nanoprobes. *Biosensors and Bioelectronics*, **2014**, 57, 171-8 11.8 14
- 119 Effect of Ligand Structure on MnO Nanoparticles for Enhanced T1 Magnetic Resonance Imaging of Inflammatory Macrophages. *European Journal of Inorganic Chemistry*, **2012**, 2012, 5960-5965 2.3 14

118	Galactosylated manganese ferrite nanoparticles for targeted MR imaging of asialoglycoprotein receptor. <i>Nanotechnology</i> , 2013 , 24, 475103	3.4	14
117	A magnetic polyaniline nanohybrid for MR imaging and redox sensing of cancer cells. <i>Nanoscale</i> , 2015 , 7, 1661-6	7.7	13
116	Measuring water contents in animal organ tissues using terahertz spectroscopic imaging. <i>Biomedical Optics Express</i> , 2018 , 9, 1582-1589	3.5	13
115	Magnetic nanoclusters engineered by polymer-controlled self-assembly for the accurate diagnosis of atherosclerotic plaques via magnetic resonance imaging. <i>Macromolecular Bioscience</i> , 2014 , 14, 943-52	5.5	13
114	Feasibility of fat-saturated T2-weighted magnetic resonance imaging with slice encoding for metal artifact correction (SEMAC) at 3T. <i>Magnetic Resonance Imaging</i> , 2014 , 32, 1001-5	3.3	13
113	Urchin-Shaped Manganese Oxide Nanoparticles as pH-Responsive Activatable T1 Contrast Agents for Magnetic Resonance Imaging. <i>Angewandte Chemie</i> , 2011 , 123, 10777-10781	3.6	13
112	Gold Nanorod-Mediated Photothermal Modulation for Localized Ablation of Cancer Cells. <i>Journal of Nanomaterials</i> , 2012 , 2012, 1-7	3.2	13
111	Accuracy of fluorodeoxyglucose-positron emission tomography for diagnosis of single bone metastasis: comparison with bone scintigraphy. <i>Journal of Computer Assisted Tomography</i> , 2007 , 31, 812-9	2.9	13
110	Simultaneous acquisition of perfusion and permeability from corrected relaxation rates with dynamic susceptibility contrast dual gradient echo. <i>Magnetic Resonance Imaging</i> , 2004 , 22, 307-14	3.3	13
109	The role of popliteal lymph nodes in differentiating rheumatoid arthritis from osteoarthritis by using CE 3D FSPGR MR imaging: relationship of the inflamed synovial volume. <i>Korean Journal of Radiology</i> , 2005 , 6, 117-24	6.9	13
108	Clinical value of fat-suppressed 3D volume isotropic spin-echo (VISTA) sequence compared to 2D sequence in evaluating internal structures of the knee. <i>Acta Radiologica</i> , 2016 , 57, 66-73	2	12
107	Prognostic implications of polycomb proteins ezh2, suz12, and eed1 and histone modification by H3K27me3 in sarcoma. <i>BMC Cancer</i> , 2018 , 18, 158	4.8	12
106	Gold-layered calcium phosphate plasmonic resonants for localized photothermal treatment of human epithelial cancer. <i>Journal of Materials Chemistry</i> , 2009 , 19, 2902		12
105	Quantitative assessment of synovial vascularity using contrast-enhanced power Doppler ultrasonography: correlation with histologic findings and mr imaging findings in arthritic rabbit knee model. <i>Korean Journal of Radiology</i> , 2008 , 9, 45-53	6.9	12
104	Evaluation of chondromalacia of the patella with axial inversion recovery-fast spin-echo imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2001 , 13, 412-6	5.6	12
103	Clinical Feasibility of Synthetic Magnetic Resonance Imaging in the Diagnosis of Internal Derangements of the Knee. <i>Korean Journal of Radiology</i> , 2018 , 19, 311-319	6.9	12
102	Cancer theranosis using mono-disperse, mesoporous gold nanoparticles obtained via a robust, high-yield synthetic methodology. <i>RSC Advances</i> , 2016 , 6, 13554-13561	3.7	11
101	Fat-suppressed volume isotropic turbo spin echo acquisition (VISTA) MR imaging in evaluating radial and root tears of the meniscus: focusing on reader-defined axial reconstruction. <i>European Journal of Radiology</i> , 2013 , 82, 2296-302	4.7	11

100	Spectral parametric segmentation of contrast-enhanced dual-energy CT to detect bone metastasis: feasibility sensitivity study using whole-body bone scintigraphy. <i>Acta Radiologica</i> , 2015 , 56, 458-64	2	11
99	Infrapatellar plica of the knee: revisited with MR arthrographies undertaken in the knee flexion position mimicking operative arthroscopic posture. <i>European Journal of Radiology</i> , 2012 , 81, 2783-7	4.7	11
98	EPIX is critical for transplanted mesenchymal stromal cell migration. <i>Stem Cells and Development</i> , 2012 , 21, 1989-99	4.4	11
97	Nanohybrids via a polycation-based nanoemulsion method for dual-mode detection of human mesenchymal stem cells. <i>Journal of Materials Chemistry</i> , 2008 , 18, 4402		11
96	Gadolinium-based nanoparticles for highly efficient T1-weighted magnetic resonance imaging. <i>Nanotechnology</i> , 2014 , 25, 245103	3.4	10
95	Double-ligand modulation for engineering magnetic nanoclusters. <i>Nanoscale Research Letters</i> , 2013 , 8, 104	5	10
94	Synthesis of Stable Magnetic Polyaniline Nanohybrids with Pyrene as a Cross-Linker for Simultaneous Diagnosis by Magnetic Resonance Imaging and Photothermal Therapy. <i>European Journal of Inorganic Chemistry</i> , 2015 , 2015, 3740-3747	2.3	10
93	The usefulness of virtual MR arthroscopy as an adjunct to conventional MR arthrography in detecting anterior labral lesions of the shoulder. <i>American Journal of Roentgenology</i> , 2009 , 192, W149-55	5.4	10
92	Synthesis and characterization of fluorescent magneto polymeric nanoparticles (FMPNs) for bimodal imaging probes. <i>Journal of Colloid and Interface Science</i> , 2009 , 340, 176-81	9.3	10
91	Sequential Tc-99m MDP bone scans after cementless total hip arthroplasty in asymptomatic patients. <i>Clinical Nuclear Medicine</i> , 1997 , 22, 6-12	1.7	10
90	Double-inversion recovery with synthetic magnetic resonance: a pilot study for assessing synovitis of the knee joint compared to contrast-enhanced magnetic resonance imaging. <i>European Radiology</i> , 2019 , 29, 2573-2580	8	10
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