## Ho-Taek Song

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Artificially engineered magnetic nanoparticles for ultra-sensitive molecular imaging. Nature Medicine, 2007, 13, 95-99.	30.7	1,756
2	Nanoscale Size Effect of Magnetic Nanocrystals and Their Utilization for Cancer Diagnosis via Magnetic Resonance Imaging. Journal of the American Chemical Society, 2005, 127, 5732-5733.	13.7	1,131
3	In Vivo Magnetic Resonance Detection of Cancer by Using Multifunctional Magnetic Nanocrystals. Journal of the American Chemical Society, 2005, 127, 12387-12391.	13.7	829
4	Overcoming Artifacts from Metallic Orthopedic Implants at High-Field-Strength MR Imaging and Multi-detector CT. Radiographics, 2007, 27, 791-803.	3.3	479
5	Surface Modulation of Magnetic Nanocrystals in the Development of Highly Efficient Magnetic Resonance Probes for Intracellular Labeling. Journal of the American Chemical Society, 2005, 127, 9992-9993.	13.7	299
6	Self-Confirming "AND―Logic Nanoparticles for Fault-Free MRI. Journal of the American Chemical Society, 2010, 132, 11015-11017.	13.7	270
7	Metal artefact reduction in gemstone spectral imaging dual-energy CT with and without metal artefact reduction software. European Radiology, 2012, 22, 1331-1340.	4.5	236
8	<i>T</i> <sub>1</sub> and <i>T</i> <sub>2</sub> Dual-Mode MRI Contrast Agent for Enhancing Accuracy by Engineered Nanomaterials. ACS Nano, 2014, 8, 3393-3401.	14.6	195
9	Scoliosis Imaging: What Radiologists Should Know. Radiographics, 2010, 30, 1823-1842.	3.3	187
10	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. European Radiology, 2007, 17, 139-149.	4.5	119
11	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. European Radiology, 2007, 17, 509-522.	4.5	113
12	Binary mixing of micelles using Pluronics for a nano-sized drug delivery system. Colloids and Surfaces B: Biointerfaces, 2011, 82, 190-195.	5.0	102
13	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. Magnetic Resonance Imaging, 2013, 31, 221-226.	1.8	84
14	Agmatine ameliorates type 2 diabetes induced-Alzheimer's disease-like alterations in high-fat diet-fed mice via reactivation of blunted insulin signalling. Neuropharmacology, 2017, 113, 467-479.	4.1	69
15	Morton neuroma: evaluated with ultrasonography and MR imaging. Korean Journal of Radiology, 2007, 8, 148.	3.4	67
16	Definition of Ubiquitination Modulator COP1 as a Novel Therapeutic Target in Human Hepatocellular Carcinoma. Cancer Research, 2010, 70, 8264-8269.	0.9	65
17	Rat model of metastatic breast cancer monitored by MRI at 3 tesla and bioluminescence imaging with histological correlation. Journal of Translational Medicine, 2009, 7, 88.	4.4	52
18	Anterior-inferior labral lesions of recurrent shoulder dislocation evaluated by MR arthrography in an adduction internal rotation (ADIR) position. Journal of Magnetic Resonance Imaging, 2006, 23, 29-35.	3.4	48

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19	Usefulness of slice encoding for metal artifact correction (SEMAC) for reducing metallic artifacts in 3-T MRI. Magnetic Resonance Imaging, 2013, 31, 703-706.	1.8	48
20	Chronic Tibiofibular Syndesmosis Injury of Ankle: Evaluation with Contrast-enhanced Fat-suppressed 3D Fast Spoiled Gradient-recalled Acquisition in the Steady State MR Imaging. Radiology, 2007, 242, 225-235.	7.3	44
21	Adiponectin receptor-mediated signaling ameliorates cerebral cell damage and regulates the neurogenesis of neural stem cells at high glucose concentrations: an in vivo and in vitro study. Cell Death and Disease, 2015, 6, e1844-e1844.	6.3	40
22	In vivo MR Imaging of Tissue-engineered Human Mesenchymal Stem Cells Transplanted to Mouse: a Preliminary Study. Annals of Biomedical Engineering, 2006, 35, 101-108.	2.5	37
23	Synovitis and soft tissue impingement of the ankle: Assessment with enhanced three-dimensional FSPGR MR imaging. Journal of Magnetic Resonance Imaging, 2004, 19, 108-116.	3.4	36
24	Comparison of Multi-Echo Dixon Methods with Volume Interpolated Breath-Hold Gradient Echo Magnetic Resonance Imaging in Fat-Signal Fraction Quantification of Paravertebral Muscle. Korean Journal of Radiology, 2015, 16, 1086.	3.4	36
25	Four-Dimensional Real-Time Cine Images of Wrist Joint Kinematics Using Dual Source CT with Minimal Time Increment Scanning. Yonsei Medical Journal, 2013, 54, 1026.	2.2	34
26	Rapid acquisition of magnetic resonance imaging of the shoulder using three-dimensional fast spin echo sequence with compressed sensing. Magnetic Resonance Imaging, 2017, 42, 152-157.	1.8	30
27	The safe establishment of a transseptal portal in the posterior knee. Knee Surgery, Sports Traumatology, Arthroscopy, 2011, 19, 1320-1325.	4.2	29
28	MicroRNA-200 family members and ZEB2 are associated with brain metastasis in gastric adenocarcinoma. International Journal of Oncology, 2014, 45, 2403-2410.	3.3	29
29	Differentiation between Focal Malignant Marrow-Replacing Lesions and Benign Red Marrow Deposition of the Spine with T2 <sup>*</sup> -Corrected Fat-Signal Fraction Map Using a Three-Echo Volume Interpolated Breath-Hold Gradient Echo Dixon Sequence. Korean Journal of Radiology, 2014, 15, 781.	3.4	28
30	The role of orexin in post-stroke inflammation, cognitive decline, and depression. Molecular Brain, 2015, 8, 16.	2.6	27
31	Ultrasonography reveals a high prevalence of lower spinal dysraphism in children with urogenital anomalies. Acta Anaesthesiologica Scandinavica, 2012, 56, 624-628.	1.6	25
32	Optimizing reproducibility of operant testing through reinforcer standardization: identification of key nutritional constituents determining reward strength in touchscreens. Molecular Brain, 2017, 10, 31.	2.6	23
33	Quantitative T <sub>2</sub> Mapping of Knee Cartilage: Comparison between the Synthetic MR Imaging and the CPMG Sequence. Magnetic Resonance in Medical Sciences, 2018, 17, 344-349.	2.0	22
34	Weighted subtraction in 3D ultrashort echo time (UTE) imaging for visualization of short T2 tissues of the knee. Acta Radiologica, 2014, 55, 454-461.	1.1	21
35	Agmatine Ameliorates High Glucose-Induced Neuronal Cell Senescence by Regulating the p21 and p53 Signaling. Experimental Neurobiology, 2016, 25, 24-32.	1.6	21
36	Correlations of 3T DCE-MRI Quantitative Parameters with Microvessel Density in a Human-Colorectal-Cancer Xenograft Mouse Model. Korean Journal of Radiology, 2011, 12, 722.	3.4	20

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37	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. Academic Radiology, 2015, 22, 909-917.	2.5	20
38	A nanosized delivery system of superparamagnetic iron oxide for tumor MR imaging. International Journal of Pharmaceutics, 2012, 439, 342-348.	5.2	19
39	Development of a new tri-block copolymer with a functional end and its feasibility for treatment of metastatic breast cancer. Colloids and Surfaces B: Biointerfaces, 2016, 144, 73-80.	5.0	19
40	Double-inversion recovery with synthetic magnetic resonance: a pilot study for assessing synovitis of the knee joint compared to contrast-enhanced magnetic resonance imaging. European Radiology, 2019, 29, 2573-2580.	4.5	19
41	Intracellular translocation of superparamagnetic iron oxide nanoparticles encapsulated with peptide-conjugated poly(D,Llactide-co-glycolide). Journal of Applied Physics, 2005, 97, 10Q913.	2.5	18
42	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. European Journal of Radiology, 2013, 82, 2296-2302.	2.6	17
43	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.	1.1	17
44	Clinical Feasibility of Synthetic Magnetic Resonance Imaging in the Diagnosis of Internal Derangements of the Knee. Korean Journal of Radiology, 2018, 19, 311.	3.4	17
45	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. Korean Journal of Radiology, 2005, 6, 117.	3.4	16
46	Enhanced stem cell tracking via electrostatically assembled fluorescent SPION–peptide complexes. Nanotechnology, 2009, 20, 355102.	2.6	16
47	Infrapatellar plica of the knee: Revisited with MR arthrographies undertaken in the knee flexion position mimicking operative arthroscopic posture. European Journal of Radiology, 2012, 81, 2783-2787.	2.6	16
48	Feasibility of fat-saturated T2-weighted magnetic resonance imaging with slice encoding for metal artifact correction (SEMAC) at 3T. Magnetic Resonance Imaging, 2014, 32, 1001-1005.	1.8	16
49	Simultaneous acquisition of perfusion and permeability from corrected relaxation rates with dynamic susceptibility contrast dual gradient echo. Magnetic Resonance Imaging, 2004, 22, 307-314.	1.8	15
50	Focal Eosinophilic Infiltration of the Liver. Journal of Computer Assisted Tomography, 2011, 35, 81-85.	0.9	15
51	Distinguishing hemangiomas from malignant solid hepatic lesions: A comparison of heavily T2â€weighted images obtained before and after administration of gadoxetic acid. Journal of Magnetic Resonance Imaging, 2011, 34, 310-317.	3.4	15
52	Clinical value of fat-suppressed 3D volume isotropic spin-echo (VISTA) sequence compared to 2D sequence in evaluating internal structures of the knee. Acta Radiologica, 2016, 57, 66-73.	1.1	15
53	Hyperpolarized [1-13C] pyruvate MR spectroscopy detect altered glycolysis in the brain of a cognitively impaired mouse model fed high-fat diet. Molecular Brain, 2018, 11, 74.	2.6	15
54	Assessment of Cognitive Impairment in a Mouse Model of High-Fat Diet-Induced Metabolic Stress with Touchscreen-Based Automated Battery System. Experimental Neurobiology, 2018, 27, 277-286.	1.6	15

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55	Hyperpolarized [1-13C]lactate flux increased in the hippocampal region in diabetic mice. Molecular Brain, 2019, 12, 88.	2.6	15
56	Physicochemical characterizations of amphiphilic block copolymers with different MWs and micelles for development of anticancer drug nanocarriers. Macromolecular Research, 2012, 20, 944-953.	2.4	14
57	Fast isotropic volumetric magnetic resonance imaging of the ankle: Acceleration of the three-dimensional fast spin echo sequence using compressed sensing combined with parallel imaging. European Journal of Radiology, 2019, 112, 52-58.	2.6	14
58	Quantitative <i>T</i> <sub>2</sub> * imaging of metastatic human breast cancer to brain in the nude rat at 3 T. NMR in Biomedicine, 2011, 24, 325-334.	2.8	13
59	Spectral parametric segmentation of contrast-enhanced dual-energy CT to detect bone metastasis: feasibility sensitivity study using whole-body bone scintigraphy. Acta Radiologica, 2015, 56, 458-464.	1.1	13
60	The Usefulness of Virtual MR Arthroscopy as an Adjunct to Conventional MR Arthrography in Detecting Anterior Labral Lesions of the Shoulder. American Journal of Roentgenology, 2009, 192, W149-W155.	2.2	12
61	β-PIX Is Critical for Transplanted Mesenchymal Stromal Cell Migration. Stem Cells and Development, 2012, 21, 1989-1999.	2.1	12
62	Arsenic Trioxide as a Vascular Disrupting Agent: Synergistic Effect with Irinotecan on Tumor Growth Delay in a CT26 Allograft Model. Translational Oncology, 2013, 6, 83-91.	3.7	11
63	Use of strain ratio in evaluating superficial soft tissue tumors on ultrasonic elastography. Journal of Medical Ultrasonics (2001), 2014, 41, 319-323.	1.3	11
64	Impairment of insulin receptor substrate 1 signaling by insulin resistance inhibits neurite outgrowth and aggravates neuronal cell death. Neuroscience, 2015, 301, 26-38.	2.3	11
65	High resolution hyperpolarized <sup>13</sup> C MRSI using SPICE at 9.4T. Magnetic Resonance in Medicine, 2018, 80, 703-710.	3.0	10
66	Magnetic Resonance Arthrographic Dissection of Posterolateral Corner of the Knee: Revealing the Meniscofibular Ligament. Yonsei Medical Journal, 2012, 53, 820.	2.2	9
67	Characteristic MRI Findings of Spinal Metastases from Various Primary Cancers: Retrospective Study of Pathologically-Confirmed Cases. Journal of the Korean Society of Magnetic Resonance in Medicine, 2013, 17, 8.	0.1	9
68	Metabolite-selective hyperpolarized 13C imaging using extended chemical shift displacement at 9.4 T. Magnetic Resonance Imaging, 2016, 34, 535-540.	1.8	9
69	A case report of xanthogranulomatous osteomyelitis of the distal ulna mimicking a malignant neoplasm. American Journal of Case Reports, 2013, 14, 304-307.	0.8	8
70	Quantification of superparamagnetic iron oxideâ€mediated signal intensity change in patients with liver cirrhosis using T2 and T2* mapping: A preliminary report. Journal of Magnetic Resonance Imaging, 2010, 31, 1379-1386.	3.4	7
71	Quantitative Assessment of Tumor Responses after Radiation Therapy in a DLD-1 Colon Cancer Mouse Model Using Serial Dynamic Contrast-Enhanced Magnetic Resonance Imaging. Yonsei Medical Journal, 2012, 53, 1147.	2.2	7
72	KML001 Displays Vascular Disrupting Properties and Irinotecan Combined Antitumor Activities in a Murine Tumor Model. PLoS ONE, 2013, 8, e53900.	2.5	7

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73	Dual-Energy Computed Tomography Arthrography of the Shoulder Joint Using Virtual Monochromatic Spectral Imaging: Optimal Dose of Contrast Agent and Monochromatic Energy Level. Korean Journal of Radiology, 2014, 15, 746.	3.4	7
74	An indirect method for <i>in vivo T</i> <sub>2</sub> mapping of [1â€ <sup>13</sup> C] pyruvate using hyperpolarized <sup>13</sup> C CSI. NMR in Biomedicine, 2017, 30, e3690.	2.8	7
75	Optimization of T2-weighted imaging for shoulder magnetic resonance arthrography by synthetic magnetic resonance imaging. Acta Radiologica, 2018, 59, 959-965.	1.1	6
76	Offset of apparent hyperpolarized <sup>13</sup> C lactate flux by the use of adjuvant metformin in ionizing radiation therapy in vivo. NMR in Biomedicine, 2021, 34, e4561.	2.8	5
77	Quantitative Computed Tomography (QCT) as a Radiology Reporting Tool by Using Optical Character Recognition (OCR) and Macro Program. Journal of Digital Imaging, 2012, 25, 815-818.	2.9	4
78	18F-fluoride PET imaging in a nude rat model of bone metastasis from breast cancer: Comparison with 18F-FDG and bioluminescence imaging. Nuclear Medicine and Biology, 2015, 42, 728-733.	0.6	4
79	Flowâ€suppressed hyperpolarized <sup>13</sup> C chemical shift imaging using velocityâ€optimized bipolar gradient in mouse liver tumors at 9.4 T. Magnetic Resonance in Medicine, 2017, 78, 1674-1682.	3.0	4
80	Dynamic hyperpolarized <sup>13</sup> C MR spectroscopic imaging using SPICE in mouse kidney at 9.4 T. NMR in Biomedicine, 2020, 33, e4230.	2.8	4
81	Accelerated metallic artifact reduction imaging using spectral bin modulation of multiacquisition variable-resonance image combination selective imaging. Magnetic Resonance Imaging, 2020, 72, 19-24.	1.8	4
82	Cancer-Targeted MR Molecular Imaging. Journal of the Korean Medical Association, 2009, 52, 121.	0.3	4
83	Comparison of T2â^— mapping between regular echo time and ultrashort echo time with 3D cones at 3 tesla for knee meniscus. Medicine (United States), 2018, 97, e13443.	1.0	3
84	Optimization of MRI Protocol for the Musculoskeletal System. Journal of the Korean Society of Radiology, 2020, 81, 21.	0.2	3
85	Determination of Optimal Imaging Mode for Ultrasonographic Detection of Subdermal Contraceptive Rods: Comparison of Spatial Compound, Conventional, and Tissue Harmonic Imaging Methods. Korean Journal of Radiology, 2012, 13, 602.	3.4	2
86	Quantitative Assessment and Ligament Traceability of Volume Isotropic Turbo Spin Echo Acquisition (VISTA) Ankle Magnetic Resonance Imaging: Fat Suppression versus without Fat Suppression. Journal of the Korean Society of Magnetic Resonance in Medicine, 2013, 17, 110.	0.1	2
87	Determination of Optimal Scan Time for the Measurement of Downstream Metabolites in Hyperpolarized13C MRSI. Investigative Magnetic Resonance Imaging, 2015, 19, 212.	0.4	1
88	Dual Component Analysis for In Vivo T2 * Decay of Hyperpolarized 13C Metabolites. Investigative Magnetic Resonance Imaging, 2017, 21, 1.	0.4	1
89	The Utility of Modified Dixon Turbo Spin Echo Shoulder Magnetic Resonance Arthrography in Assessing Rotator Cuff Disorder and Evaluating the Rotator Cuff Muscles. Academic Radiology, 2021, 28, 233-242.	2.5	1
90	A Bone Metastasis Nude Mouse Model Created by Ultrasound Guided Intracardiac Injection of Breast Cancer Cells: the Micro-CT, MRI and Bioluminescence Imaging Analysis. Journal of the Korean Society of Radiology, 2011, 64, 57.	0.2	0

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91	Alternating Acquisition Technique for Quantification of in vitro Hyperpolarized [1-13C] Pyruvate Metabolism. Investigative Magnetic Resonance Imaging, 2016, 20, 53.	0.4	0