

# Ho-Taek Song

## List of Publications by Year in Descending Order

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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.

92  
papers

6,192  
citations

25  
h-index

78  
g-index

92  
ext. papers

6,730  
ext. citations

5.6  
avg, IF

5.12  
L-index

#	Paper	IF	Citations
92	Correction: A Bone Metastasis Nude Mouse Model Created by Ultrasound Guided Intracardiac Injection of Breast Cancer Cells: the Micro-CT, MRI and Bioluminescence Imaging Analysis. <i>Journal of the Korean Society of Radiology</i> , <b>2022</b> , 83, 750	0.2	
91	Offset of apparent hyperpolarized C lactate flux by the use of adjuvant metformin in ionizing radiation therapy in vivo. <i>NMR in Biomedicine</i> , <b>2021</b> , 34, e4561	4.4	2
90	The Utility of Modified Dixon Turbo Spin Echo Shoulder Magnetic Resonance Arthrography in Assessing Rotator Cuff Disorder and Evaluating the Rotator Cuff Muscles. <i>Academic Radiology</i> , <b>2021</b> , 28, 233-242	4.3	1
89	Accelerated metallic artifact reduction imaging using spectral bin modulation of multiacquisition variable-resonance image combination selective imaging. <i>Magnetic Resonance Imaging</i> , <b>2020</b> , 72, 19-24	3.3	1
88	Optimization of MRI Protocol for the Musculoskeletal System. <i>Journal of the Korean Society of Radiology</i> , <b>2020</b> , 81, 21	0.2	1
87	Dynamic hyperpolarized C MR spectroscopic imaging using SPICE in mouse kidney at 9.4 T. <i>NMR in Biomedicine</i> , <b>2020</b> , 33, e4230	4.4	3
86	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. <i>European Journal of Radiology</i> , <b>2019</b> , 112, 52-58	4.7	9
85	Hyperpolarized [1-13C]lactate flux increased in the hippocampal region in diabetic mice. <i>Molecular Brain</i> , <b>2019</b> , 12, 88	4.5	8
84	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> , <b>2019</b> , 29, 2573-2580	8	10
83	Response evaluation of giant-cell tumor of bone treated by denosumab: Histogram and texture analysis of CT images. <i>Journal of Orthopaedic Science</i> , <b>2018</b> , 23, 570-577	1.6	15
82	High resolution hyperpolarized C MRSI using SPICE at 9.4T. <i>Magnetic Resonance in Medicine</i> , <b>2018</b> , 80, 703-710	4.4	8
81	Quantitative T Mapping of Knee Cartilage: Comparison between the Synthetic MR Imaging and the CPMG Sequence. <i>Magnetic Resonance in Medical Sciences</i> , <b>2018</b> , 17, 344-349	2.9	16
80	Optimization of T2-weighted imaging for shoulder magnetic resonance arthrography by synthetic magnetic resonance imaging. <i>Acta Radiologica</i> , <b>2018</b> , 59, 959-965	2	3
79	Comparison of T2* mapping between regular echo time and ultrashort echo time with 3D cones at 3 tesla for knee meniscus. <i>Medicine (United States)</i> , <b>2018</b> , 97, e13443	1.8	3
78	Hyperpolarized [1-13C] pyruvate MR spectroscopy detect altered glycolysis in the brain of a cognitively impaired mouse model fed high-fat diet. <i>Molecular Brain</i> , <b>2018</b> , 11, 74	4.5	7
77	Clinical Feasibility of Synthetic Magnetic Resonance Imaging in the Diagnosis of Internal Derangements of the Knee. <i>Korean Journal of Radiology</i> , <b>2018</b> , 19, 311-319	6.9	12
76	Assessment of Cognitive Impairment in a Mouse Model of High-Fat Diet-Induced Metabolic Stress with Touchscreen-Based Automated Battery System. <i>Experimental Neurobiology</i> , <b>2018</b> , 27, 277-286	4	11

75	An indirect method for in vivo T mapping of [1- C] pyruvate using hyperpolarized C CSI. <i>NMR in Biomedicine</i> , <b>2017</b> , 30, e3690	4.4	6
74	Flow-suppressed hyperpolarized C chemical shift imaging using velocity-optimized bipolar gradient in mouse liver tumors at 9.4 T. <i>Magnetic Resonance in Medicine</i> , <b>2017</b> , 78, 1674-1682	4.4	3
73	Optimizing reproducibility of operant testing through reinforcer standardization: identification of key nutritional constituents determining reward strength in touchscreens. <i>Molecular Brain</i> , <b>2017</b> , 10, 31	4.5	14
72	Dual Component Analysis for In Vivo T2 * Decay of Hyperpolarized 13C Metabolites <b>2017</b> , 21, 1		1
71	Rapid acquisition of magnetic resonance imaging of the shoulder using three-dimensional fast spin echo sequence with compressed sensing. <i>Magnetic Resonance Imaging</i> , <b>2017</b> , 42, 152-157	3.3	18
70	Agmatine ameliorates type 2 diabetes induced-Alzheimer's disease-like alterations in high-fat diet-fed mice via reactivation of blunted insulin signalling. <i>Neuropharmacology</i> , <b>2017</b> , 113, 467-479	5.5	54
69	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> , <b>2016</b> , 57, 66-73	2	12
68	Alternating Acquisition Technique for Quantification of in vitro Hyperpolarized [1-13C] Pyruvate Metabolism <b>2016</b> , 20, 53		
67	Agmatine Ameliorates High Glucose-Induced Neuronal Cell Senescence by Regulating the p21 and p53 Signaling. <i>Experimental Neurobiology</i> , <b>2016</b> , 25, 24-32	4	13
66	Metabolite-selective hyperpolarized (13)C imaging using extended chemical shift displacement at 9.4T. <i>Magnetic Resonance Imaging</i> , <b>2016</b> , 34, 535-40	3.3	9
65	Development of a new tri-block copolymer with a functional end and its feasibility for treatment of metastatic breast cancer. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2016</b> , 144, 73-80	6	17
64	Impairment of insulin receptor substrate 1 signaling by insulin resistance inhibits neurite outgrowth and aggravates neuronal cell death. <i>Neuroscience</i> , <b>2015</b> , 301, 26-38	3.9	7
63	(18)F-fluoride PET imaging in a nude rat model of bone metastasis from breast cancer: Comparison with (18)F-FDG and bioluminescence imaging. <i>Nuclear Medicine and Biology</i> , <b>2015</b> , 42, 728-33	2.1	3
62	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. <i>Cell Death and Disease</i> , <b>2015</b> , 6, e1844	9.8	29
61	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> , <b>2015</b> , 22, 909-17	4.3	20
60	Determination of Optimal Scan Time for the Measurement of Downstream Metabolites in Hyperpolarized13C MRSI <b>2015</b> , 19, 212		1
59	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> , <b>2015</b> , 16, 1086-95	6.9	29
58	The role of orexin in post-stroke inflammation, cognitive decline, and depression. <i>Molecular Brain</i> , <b>2015</b> , 8, 16	4.5	20

57	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> , <b>2015</b> , 56, 458-64	2	11
56	Tandem dual-mode MRI contrast agent for enhancing accuracy by engineered nanomaterials. <i>ACS Nano</i> , <b>2014</b> , 8, 3393-401	16.7	162
55	Use of strain ratio in evaluating superficial soft tissue tumors on ultrasonic elastography. <i>Journal of Medical Ultrasonics (2001)</i> , <b>2014</b> , 41, 319-23	1.4	8
54	Feasibility of fat-saturated T2-weighted magnetic resonance imaging with slice encoding for metal artifact correction (SEMAC) at 3T. <i>Magnetic Resonance Imaging</i> , <b>2014</b> , 32, 1001-5	3.3	13
53	MicroRNA-200 family members and ZEB2 are associated with brain metastasis in gastric adenocarcinoma. <i>International Journal of Oncology</i> , <b>2014</b> , 45, 2403-10	4.4	17
52	Dual-energy computed tomography arthrography of the shoulder joint using virtual monochromatic spectral imaging: optimal dose of contrast agent and monochromatic energy level. <i>Korean Journal of Radiology</i> , <b>2014</b> , 15, 746-56	6.9	6
51	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> , <b>2014</b> , 15, 781-91	6.9	19
50	Weighted subtraction in 3D ultrashort echo time (UTE) imaging for visualization of short T2 tissues of the knee. <i>Acta Radiologica</i> , <b>2014</b> , 55, 454-61	2	16
49	Usefulness of slice encoding for metal artifact correction (SEMAC) for reducing metallic artifacts in 3-T MRI. <i>Magnetic Resonance Imaging</i> , <b>2013</b> , 31, 703-6	3.3	40
48	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> , <b>2013</b> , 82, 2296-302	4.7	11
47	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> , <b>2013</b> , 31, 221-6	3.3	67
46	Arsenic Trioxide as a Vascular Disrupting Agent: Synergistic Effect with Irinotecan on Tumor Growth Delay in a CT26 Allograft Model. <i>Translational Oncology</i> , <b>2013</b> , 6, 83-91	4.9	10
45	Characteristic MRI Findings of Spinal Metastases from Various Primary Cancers: Retrospective Study of Pathologically-Confirmed Cases. <i>Journal of the Korean Society of Magnetic Resonance in Medicine</i> , <b>2013</b> , 17, 8		7
44	Four-dimensional real-time cine images of wrist joint kinematics using dual source CT with minimal time increment scanning. <i>Yonsei Medical Journal</i> , <b>2013</b> , 54, 1026-32	3	25
43	KML001 displays vascular disrupting properties and irinotecan combined antitumor activities in a murine tumor model. <i>PLoS ONE</i> , <b>2013</b> , 8, e53900	3.7	6
42	A case report of xanthogranulomatous osteomyelitis of the distal ulna mimicking a malignant neoplasm. <i>American Journal of Case Reports</i> , <b>2013</b> , 14, 304-7	1.3	5
41	Quantitative Assessment and Ligament Traceability of Volume Isotropic Turbo Spin Echo Acquisition (VISTA) Ankle Magnetic Resonance Imaging: Fat Suppression versus without Fat Suppression. <i>Journal of the Korean Society of Magnetic Resonance in Medicine</i> , <b>2013</b> , 17, 110		2
40	Ultrasonography reveals a high prevalence of lower spinal dysraphism in children with urogenital anomalies. <i>Acta Anaesthesiologica Scandinavica</i> , <b>2012</b> , 56, 624-8	1.9	20

39	Quantitative computed tomography (QCT) as a radiology reporting tool by using optical character recognition (OCR) and macro program. <i>Journal of Digital Imaging</i> , <b>2012</b> , 25, 815-8	5.3	3
38	A nanosized delivery system of superparamagnetic iron oxide for tumor MR imaging. <i>International Journal of Pharmaceutics</i> , <b>2012</b> , 439, 342-8	6.5	17
37	Physicochemical characterizations of amphiphilic block copolymers with different MWs and micelles for development of anticancer drug nanocarriers. <i>Macromolecular Research</i> , <b>2012</b> , 20, 944-953	1.9	12
36	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> , <b>2012</b> , 81, 2783-7	4.7	11
35	Magnetic resonance arthrographic dissection of posterolateral corner of the knee: revealing the meniscofibular ligament. <i>Yonsei Medical Journal</i> , <b>2012</b> , 53, 820-4	3	7
34	Determination of optimal imaging mode for ultrasonographic detection of subdermal contraceptive rods: comparison of spatial compound, conventional, and tissue harmonic imaging methods. <i>Korean Journal of Radiology</i> , <b>2012</b> , 13, 602-9	6.9	2
33	Quantitative assessment of tumor responses after radiation therapy in a DLD-1 colon cancer mouse model using serial dynamic contrast-enhanced magnetic resonance imaging. <i>Yonsei Medical Journal</i> , <b>2012</b> , 53, 1147-53	3	6
32	Metal artefact reduction in gemstone spectral imaging dual-energy CT with and without metal artefact reduction software. <i>European Radiology</i> , <b>2012</b> , 22, 1331-40	8	196
31	EPiX is critical for transplanted mesenchymal stromal cell migration. <i>Stem Cells and Development</i> , <b>2012</b> , 21, 1989-99	4.4	11
30	A Bone Metastasis Nude Mouse Model Created by Ultrasound Guided Intracardiac Injection of Breast Cancer Cells: the Micro-CT, MRI and Bioluminescence Imaging Analysis. <i>Journal of the Korean Society of Radiology</i> , <b>2011</b> , 64, 57	0.2	
29	Correlations of 3T DCE-MRI quantitative parameters with microvessel density in a human-colorectal-cancer xenograft mouse model. <i>Korean Journal of Radiology</i> , <b>2011</b> , 12, 722-30	6.9	20
28	Focal eosinophilic infiltration of the liver: gadoxetic acid-enhanced magnetic resonance imaging and diffusion-weighted imaging. <i>Journal of Computer Assisted Tomography</i> , <b>2011</b> , 35, 81-5	2.2	11
27	The safe establishment of a transseptal portal in the posterior knee. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , <b>2011</b> , 19, 1320-5	5.5	22
26	Distinguishing hemangiomas from malignant solid hepatic lesions: a comparison of heavily T2-weighted images obtained before and after administration of gadoxetic acid. <i>Journal of Magnetic Resonance Imaging</i> , <b>2011</b> , 34, 310-7	5.6	13
25	Quantitative T2* imaging of metastatic human breast cancer to brain in the nude rat at 3 T. <i>NMR in Biomedicine</i> , <b>2011</b> , 24, 325-34	4.4	12
24	Binary mixing of micelles using Pluronic for a nano-sized drug delivery system. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2011</b> , 82, 190-5	6	86
23	Scoliosis imaging: what radiologists should know. <i>Radiographics</i> , <b>2010</b> , 30, 1823-42	5.4	119
22	Definition of ubiquitination modulator COP1 as a novel therapeutic target in human hepatocellular carcinoma. <i>Cancer Research</i> , <b>2010</b> , 70, 8264-9	10.1	58

21	Self-confirming "AND" logic nanoparticles for fault-free MRI. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 11015-7	16.4	234
20	Quantification of superparamagnetic iron oxide-mediated signal intensity change in patients with liver cirrhosis using T2 and T2* mapping: a preliminary report. <i>Journal of Magnetic Resonance Imaging</i> , <b>2010</b> , 31, 1379-86	5.6	6
19	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> , <b>2009</b> , 192, W149-55	5.4	10
18	Enhanced stem cell tracking via electrostatically assembled fluorescent SPION-peptide complexes. <i>Nanotechnology</i> , <b>2009</b> , 20, 355102	3.4	12
17	Rat model of metastatic breast cancer monitored by MRI at 3 tesla and bioluminescence imaging with histological correlation. <i>Journal of Translational Medicine</i> , <b>2009</b> , 7, 88	8.5	48
16	Cancer-Targeted MR Molecular Imaging. <i>Journal of the Korean Medical Association</i> , <b>2009</b> , 52, 121	0.5	3
15	Morton neuroma: evaluated with ultrasonography and MR imaging. <i>Korean Journal of Radiology</i> , <b>2007</b> , 8, 148-55	6.9	49
14	Artificially engineered magnetic nanoparticles for ultra-sensitive molecular imaging. <i>Nature Medicine</i> , <b>2007</b> , 13, 95-9	50.5	1583
13	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> , <b>2007</b> , 17, 139-49	8	73
12	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> , <b>2007</b> , 17, 509-22	8	90
11	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> , <b>2007</b> , 242, 225-35	20.5	38
10	Overcoming artifacts from metallic orthopedic implants at high-field-strength MR imaging and multi-detector CT. <i>Radiographics</i> , <b>2007</b> , 27, 791-803	5.4	394
9	In vivo MR imaging of tissue-engineered human mesenchymal stem cells transplanted to mouse: a preliminary study. <i>Annals of Biomedical Engineering</i> , <b>2007</b> , 35, 101-8	4.7	36
8	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> , <b>2006</b> , 23, 29-35	5.6	38
7	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> , <b>2005</b> , 127, 9992-3	16.4	287
6	In vivo magnetic resonance detection of cancer by using multifunctional magnetic nanocrystals. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 12387-91	16.4	768
5	Nanoscale size effect of magnetic nanocrystals and their utilization for cancer diagnosis via magnetic resonance imaging. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 5732-3	16.4	1034
4	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> , <b>2005</b> , 6, 117-24	6.9	13

3	Intracellular translocation of superparamagnetic iron oxide nanoparticles encapsulated with peptide-conjugated poly(D,L lactide-co-glycolide). <i>Journal of Applied Physics</i> , <b>2005</b> , 97, 10Q913	2.5	15
2	Synovitis and soft tissue impingement of the ankle: assessment with enhanced three-dimensional FSPGR MR imaging. <i>Journal of Magnetic Resonance Imaging</i> , <b>2004</b> , 19, 108-16	5.6	31
1	Simultaneous acquisition of perfusion and permeability from corrected relaxation rates with dynamic susceptibility contrast dual gradient echo. <i>Magnetic Resonance Imaging</i> , <b>2004</b> , 22, 307-14	3.3	13