

Sungjun Kim

List of Publications by Year in descending order

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Version: 2024-02-01

70
papers

6,219
citations

257450

24
h-index

98798

67
g-index

71
all docs

71
docs citations

71
times ranked

8308
citing authors

#	ARTICLE	IF	CITATIONS
1	Artificially engineered magnetic nanoparticles for ultra-sensitive molecular imaging. <i>Nature Medicine</i> , 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. <i>Journal of the American Chemical Society</i> , 2005, 127, 5732-5733.	13.7	1,131
3	In Vivo Magnetic Resonance Detection of Cancer by Using Multifunctional Magnetic Nanocrystals. <i>Journal of the American Chemical Society</i> , 2005, 127, 12387-12391.	13.7	829
4	Overcoming Artifacts from Metallic Orthopedic Implants at High-Field-Strength MR Imaging and Multi-detector CT. <i>Radiographics</i> , 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. <i>Journal of the American Chemical Society</i> , 2005, 127, 9992-9993.	13.7	299
6	Metal artefact reduction in gemstone spectral imaging dual-energy CT with and without metal artefact reduction software. <i>European Radiology</i> , 2012, 22, 1331-1340.	4.5	236
7	Scoliosis Imaging: What Radiologists Should Know. <i>Radiographics</i> , 2010, 30, 1823-1842.	3.3	187
8	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, 139-149.	4.5	119
9	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, 509-522.	4.5	113
10	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, 221-226.	1.8	84
11	Imaging of Primary Chest Wall Tumors with Radiologic-Pathologic Correlation. <i>Radiographics</i> , 2011, 31, 749-770.	3.3	71
12	Morton neuroma: evaluated with ultrasonography and MR imaging. <i>Korean Journal of Radiology</i> , 2007, 8, 148.	3.4	67
13	Prevalence, Distribution, and Significance of Incidental Thoracic Ossification of the Ligamentum Flavum in Korean Patients with Back or Leg Pain : MR-Based Cross Sectional Study. <i>Journal of Korean Neurosurgical Society</i> , 2015, 58, 112.	1.2	50
14	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.	3.4	48
15	Usefulness of slice encoding for metal artifact correction (SEMAC) for reducing metallic artifacts in 3-T MRI. <i>Magnetic Resonance Imaging</i> , 2013, 31, 703-706.	1.8	48
16	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, 225-235.	7.3	44
17	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.	3.4	36
18	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.	2.2	34

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19	Performance of the deep convolutional neural network based magnetic resonance image scoring algorithm for differentiating between tuberculous and pyogenic spondylitis. <i>Scientific Reports</i> , 2018, 8, 13124.	3.3	33
20	Artificial intelligence in musculoskeletal ultrasound imaging. <i>Ultrasonography</i> , 2021, 40, 30-44.	2.3	32
21	Chronic spinal subdural abscess mimicking an intradural“extramedullary tumor. <i>European Spine Journal</i> , 2013, 22, 497-500.	2.2	30
22	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.	3.4	28
23	CT Venography for Deep Vein Thrombosis Using a Low Tube Voltage (100 kVp) Setting Could Increase Venous Enhancement and Reduce the Amount of Administered Iodine. <i>Korean Journal of Radiology</i> , 2013, 14, 183.	3.4	26
24	Detection of Prefracture Hip Lesions in Atypical Subtrochanteric Fracture with Dual-Energy X-ray Absorptiometry Images. <i>Radiology</i> , 2014, 270, 487-495.	7.3	26
25	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.	3.4	23
26	Weighted subtraction in 3D ultrashort echo time (UTE) imaging for visualization of short T2 tissues of the knee. <i>Acta Radiologica</i> , 2014, 55, 454-461.	1.1	21
27	Automation of Spine Curve Assessment in Frontal Radiographs Using Deep Learning of Vertebral-Tilt Vector. <i>IEEE Access</i> , 2020, 8, 84618-84630.	4.2	21
28	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, 909-917.	2.5	20
29	AI musculoskeletal clinical applications: how can AI increase my day-to-day efficiency?. <i>Skeletal Radiology</i> , 2022, 51, 293-304.	2.0	19
30	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, 2296-2302.	2.6	17
31	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.	3.4	16
32	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, 2783-2787.	2.6	16
33	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, 1001-1005.	1.8	16
34	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.	1.1	15
35	Distal myopathy with ADSSL1 mutations in Korean patients. <i>Neuromuscular Disorders</i> , 2017, 27, 465-472.	0.6	15
36	Preoperative “Computed tomography capsular sign” for the detection of occult ipsilateral femoral neck fractures associated with femoral shaft fractures. <i>Injury</i> , 2020, 51, 1051-1056.	1.7	15

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37	Ultrasound Feature-Based Diagnostic Model Focusing on the "Submarine Sign" for Epidermal Cysts among Superficial Soft Tissue Lesions. <i>Korean Journal of Radiology</i> , 2019, 20, 1409.	3.4	15
38	Usefulness of Magnetic Resonance Neurography for Diagnosis of Piriformis Muscle Syndrome and Verification of the Effect After Botulinum Toxin Type A Injection. <i>Medicine (United States)</i> , 2015, 94, e1504.	1.0	13
39	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, 458-464.	1.1	13
40	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-W155.	2.2	12
41	Deep Learning Application in Spinal Implant Identification. <i>Spine</i> , 2021, 46, E318-E324.	2.0	12
42	A Comparison of the Diagnostic Performances of Visceral Organ-Targeted Versus Spine-Targeted Protocols for the Evaluation of Spinal Fractures Using Sixteen-Channel Multidetector Row Computed Tomography: Is Additional Spine-Targeted Computed Tomography Necessary to Evaluate Thoracolumbar Spinal Fractures in Blunt Trauma Victims?. <i>Journal of Trauma</i> , 2010, 69, 437-446.	2.3	11
43	Evaluation of the reliability of lower extremity alignment measurements using EOS imaging system while standing in an even weight-bearing posture. <i>Scientific Reports</i> , 2021, 11, 22039.	3.3	11
44	Computed Tomographic Venography for Varicose Veins of the Lower Extremities. <i>Journal of Computer Assisted Tomography</i> , 2012, 36, 583-590.	0.9	9
45	Magnetic Resonance Arthrographic Dissection of Posterolateral Corner of the Knee: Revealing the Menisofibular Ligament. <i>Yonsei Medical Journal</i> , 2012, 53, 820.	2.2	9
46	Quantitative Measurement Method for Possible Rib Fractures in Chest Radiographs. <i>Healthcare Informatics Research</i> , 2013, 19, 196.	1.9	9
47	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> , 2013, 17, 8.	0.1	9
48	Fat-saturated image generation from multi-contrast MRIs using generative adversarial networks with Bloch equation-based autoencoder regularization. <i>Medical Image Analysis</i> , 2021, 73, 102198.	11.6	9
49	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> , 2014, 15, 746.	3.4	7
50	Usefulness of oblique coronal and sagittal MR images of the knee after double-bundle and selective anterior cruciate ligament reconstructions. <i>Acta Radiologica</i> , 2015, 56, 312-321.	1.1	7
51	Interobserver and Test-Retest Reproducibility of T1- and T2 Measurements of Lumbar Intervertebral Discs by 3T Magnetic Resonance Imaging. <i>Korean Journal of Radiology</i> , 2016, 17, 903.	3.4	7
52	Experiences of localization and removal of non-palpable subdermal contraceptive implants with ultrasound. <i>Obstetrics and Gynecology Science</i> , 2019, 62, 166.	1.6	7
53	Acetabular labral tear is associated with high pelvic incidence with or without femoroacetabular impingement morphology. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2022, 30, 3526-3534.	4.2	7
54	Imaging Diagnosis of Osteoporotic Fracture. <i>Journal of the Korean Medical Association</i> , 2010, 53, 67.	0.3	6

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55	Detection of the Tram Track Lesion in the Ankle Joint: Comparing 3.0-Tesla Magnetic Resonance Imaging and Arthroscopy. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2018, 34, 866-871.	2.7	4
56	Use of 18F-sodium fluoride bone PET for disability evaluation in ankle trauma: a pilot study. <i>BMC Medical Imaging</i> , 2018, 18, 34.	2.7	4
57	False Femoral Neck Fracture Detected during Shaft Nailing: A Mach Band Effect. <i>Yonsei Medical Journal</i> , 2013, 54, 803.	2.2	3
58	Optimization of MRI Protocol for the Musculoskeletal System. <i>Journal of the Korean Society of Radiology</i> , 2020, 81, 21.	0.2	3
59	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> , 2012, 13, 602.	3.4	2
60	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> , 2013, 17, 110.	0.1	2
61	A Spinal Cord Astrocytoma and Its Concurrent Osteoblastic Metastases at the Time of the Initial Diagnosis: a Case Report and Literature Review. <i>Korean Journal of Radiology</i> , 2011, 12, 620.	3.4	1
62	Re: More about Scoliosis Imaging for Radiologists. <i>Radiographics</i> , 2011, 31, 1191-1192.	3.3	1
63	Gelatinous Transformation of Bone Marrow Mimicking Malignant Marrow-Replacing Lesion on Magnetic Resonance Imaging in a Patient without Underlying Devastating Disease. <i>Investigative Magnetic Resonance Imaging</i> , 2018, 22, 50.	0.4	1
64	Utility of False Profile View for Screening of Ischiofemoral Impingement. <i>Hip and Pelvis</i> , 2018, 30, 219.	1.6	1
65	MR Findings of Peripheral Nerve Entrapment and Compression Syndrome. <i>Journal of the Korean Radiological Society</i> , 2005, 52, 75.	0.0	1
66	Suggested Protocol for Efficient Medical Image Information Exchange in Korea: Breast MRI. <i>Journal of the Korean Society of Radiology</i> , 2018, 79, 254.	0.2	1
67	Ossification of the Transverse Ligament of the Atlas on CT: Frequency and Associated Findings. <i>Journal of the Korean Society of Radiology</i> , 2020, 81, 654.	0.2	1
68	Outpatient-based diagnostic criteria for partial ACL injury: clinical outcomes of non-operative treatment and radiographic predictor. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2023, 143, 2027-2036.	2.4	1
69	A Study of Joint Space Narrowing and Erosion in Rheumatoid Arthritis. <i>Journal of Korean Society of Medical Informatics</i> , 2009, 15, 483.	0.3	0
70	Difference in Bone Mineral Density Change at the Lateral Femoral Cortices according to Administration of Different Bisphosphonate Agents. <i>Journal of Bone Metabolism</i> , 2016, 23, 85.	1.3	0