

Sungjun Kim

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

6,219
citations

293460

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all docs

71
docs citations

71
times ranked

9317
citing authors

#	ARTICLE	IF	CITATIONS
1	Outpatient-based diagnostic criteria for partial ACL injury: clinical outcomes of non-operative treatment and radiographic predictor. Archives of Orthopaedic and Trauma Surgery, 2023, 143, 2027-2036.	1.3	1
2	AI musculoskeletal clinical applications: how can AI increase my day-to-day efficiency?. Skeletal Radiology, 2022, 51, 293-304.	1.2	19
3	Acetabular labral tear is associated with high pelvic incidence with or without femoroacetabular impingement morphology. Knee Surgery, Sports Traumatology, Arthroscopy, 2022, 30, 3526-3534.	2.3	7
4	Artificial intelligence in musculoskeletal ultrasound imaging. Ultrasonography, 2021, 40, 30-44.	1.0	32
5	Fat-saturated image generation from multi-contrast MRIs using generative adversarial networks with Bloch equation-based autoencoder regularization. Medical Image Analysis, 2021, 73, 102198.	7.0	9
6	Deep Learning Application in Spinal Implant Identification. Spine, 2021, 46, E318-E324.	1.0	12
7	Evaluation of the reliability of lower extremity alignment measurements using EOS imaging system while standing in an even weight-bearing posture. Scientific Reports, 2021, 11, 22039.	1.6	11
8	Preoperative "Computed tomography capsular sign" for the detection of occult ipsilateral femoral neck fractures associated with femoral shaft fractures. Injury, 2020, 51, 1051-1056.	0.7	15
9	Automation of Spine Curve Assessment in Frontal Radiographs Using Deep Learning of Vertebral-Tilt Vector. IEEE Access, 2020, 8, 84618-84630.	2.6	21
10	Optimization of MRI Protocol for the Musculoskeletal System. Journal of the Korean Society of Radiology, 2020, 81, 21.	0.1	3
11	Ossification of the Transverse Ligament of the Atlas on CT: Frequency and Associated Findings. Journal of the Korean Society of Radiology, 2020, 81, 654.	0.1	1
12	Experiences of localization and removal of non-palpable subdermal contraceptive implants with ultrasound. Obstetrics and Gynecology Science, 2019, 62, 166.	0.6	7
13	Ultrasound Feature-Based Diagnostic Model Focusing on the "Submarine Sign" for Epidermal Cysts among Superficial Soft Tissue Lesions. Korean Journal of Radiology, 2019, 20, 1409.	1.5	15
14	Detection of the Tram Track Lesion in the Ankle Joint: Comparing 3.0-Tesla Magnetic Resonance Imaging and Arthroscopy. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2018, 34, 866-871.	1.3	4
15	Gelatinous Transformation of Bone Marrow Mimicking Malignant Marrow-Replacing Lesion on Magnetic Resonance Imaging in a Patient without Underlying Devastating Disease. Investigative Magnetic Resonance Imaging, 2018, 22, 50.	0.2	1
16	Utility of False Profile View for Screening of Ischiofemoral Impingement. Hip and Pelvis, 2018, 30, 219.	0.6	1
17	Use of 18F-sodium fluoride bone PET for disability evaluation in ankle trauma: a pilot study. BMC Medical Imaging, 2018, 18, 34.	1.4	4
18	Performance of the deep convolutional neural network based magnetic resonance image scoring algorithm for differentiating between tuberculous and pyogenic spondylitis. Scientific Reports, 2018, 8, 13124.	1.6	33

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19	Suggested Protocol for Efficient Medical Image Information Exchange in Korea: Breast MRI. Journal of the Korean Society of Radiology, 2018, 79, 254.	0.1	1
20	Distal myopathy with ADSSL1 mutations in Korean patients. Neuromuscular Disorders, 2017, 27, 465-472.	0.3	15
21	Interobserver and Test-Retest Reproducibility of T1 ρ and T2 Measurements of Lumbar Intervertebral Discs by 3T Magnetic Resonance Imaging. Korean Journal of Radiology, 2016, 17, 903.	1.5	7
22	Difference in Bone Mineral Density Change at the Lateral Femoral Cortices according to Administration of Different Bisphosphonate Agents. Journal of Bone Metabolism, 2016, 23, 85.	0.5	0
23	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.	0.5	15
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.	1.5	36
25	Accuracy of Diffusion Tensor Imaging for Diagnosing Cervical Spondylotic Myelopathy in Patients Showing Spinal Cord Compression. Korean Journal of Radiology, 2015, 16, 1303.	1.5	23
26	Usefulness of Magnetic Resonance Neurography for Diagnosis of Piriformis Muscle Syndrome and Verification of the Effect After Botulinum Toxin Type A Injection. Medicine (United States), 2015, 94, e1504.	0.4	13
27	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.	0.5	13
28	Usefulness of oblique coronal and sagittal MR images of the knee after double-bundle and selective anterior cruciate ligament reconstructions. Acta Radiologica, 2015, 56, 312-321.	0.5	7
29	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.	1.3	20
30	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. Journal of Korean Neurosurgical Society, 2015, 58, 112.	0.5	50
31	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.	1.5	7
32	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. Korean Journal of Radiology, 2014, 15, 781.	1.5	28
33	Weighted subtraction in 3D ultrashort echo time (UTE) imaging for visualization of short T2 tissues of the knee. Acta Radiologica, 2014, 55, 454-461.	0.5	21
34	Detection of Prefracture Hip Lesions in Atypical Subtrochanteric Fracture with Dual-Energy X-ray Absorptiometry Images. Radiology, 2014, 270, 487-495.	3.6	26
35	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.	1.0	16
36	Chronic spinal subdural abscess mimicking an intradural "extramedullary tumor. European Spine Journal, 2013, 22, 497-500.	1.0	30

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37	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.	1.0	48
38	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.	1.2	17
39	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.	1.0	84
40	Quantitative Measurement Method for Possible Rib Fractures in Chest Radiographs. <i>Healthcare Informatics Research</i> , 2013, 19, 196.	1.0	9
41	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
42	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.	0.9	34
43	False Femoral Neck Fracture Detected during Shaft Nailing: A Mach Band Effect. <i>Yonsei Medical Journal</i> , 2013, 54, 803.	0.9	3
44	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.	1.5	26
45	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
46	Computed Tomographic Venography for Varicose Veins of the Lower Extremities. <i>Journal of Computer Assisted Tomography</i> , 2012, 36, 583-590.	0.5	9
47	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.	1.2	16
48	Magnetic Resonance Arthrographic Dissection of Posterolateral Corner of the Knee: Revealing the Menisocofibular Ligament. <i>Yonsei Medical Journal</i> , 2012, 53, 820.	0.9	9
49	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.	1.5	2
50	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.	2.3	236
51	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.	1.5	1
52	Re: More about Scoliosis Imaging for Radiologists. <i>Radiographics</i> , 2011, 31, 1191-1192.	1.4	1
53	Imaging of Primary Chest Wall Tumors with Radiologic-Pathologic Correlation. <i>Radiographics</i> , 2011, 31, 749-770.	1.4	71
54	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

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55	Imaging Diagnosis of Osteoporotic Fracture. Journal of the Korean Medical Association, 2010, 53, 67.	0.1	6
56	Scoliosis Imaging: What Radiologists Should Know. Radiographics, 2010, 30, 1823-1842.	1.4	187
57	A Study of Joint Space Narrowing and Erosion in Rheumatoid Arthritis. Journal of Korean Society of Medical Informatics, 2009, 15, 483.	0.3	0
58	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.	1.0	12
59	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.	3.6	44
60	Overcoming Artifacts from Metallic Orthopedic Implants at High-Field-Strength MR Imaging and Multi-detector CT. Radiographics, 2007, 27, 791-803.	1.4	479
61	Morton neuroma: evaluated with ultrasonography and MR imaging. Korean Journal of Radiology, 2007, 8, 148.	1.5	67
62	Artificially engineered magnetic nanoparticles for ultra-sensitive molecular imaging. Nature Medicine, 2007, 13, 95-99.	15.2	1,756
63	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.	2.3	119
64	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.	2.3	113
65	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.	1.9	48
66	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.	6.6	1,131
67	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.	1.5	16
68	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.	6.6	299
69	In Vivo Magnetic Resonance Detection of Cancer by Using Multifunctional Magnetic Nanocrystals. Journal of the American Chemical Society, 2005, 127, 12387-12391.	6.6	829
70	MR Findings of Peripheral Nerve Entrapment and Compression Syndrome. Journal of the Korean Radiological Society, 2005, 52, 75.	0.0	1