

# Won C Bae

## List of Publications by Year in descending order

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36  
papers

1,044  
citations

394421

19  
h-index

414414

32  
g-index

37  
all docs

37  
docs citations

37  
times ranked

1374  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantitative ultrashort echo time (UTE) MRI of human cortical bone: Correlation with porosity and biomechanical properties. <i>Journal of Bone and Mineral Research</i> , 2012, 27, 848-857.	2.8	148
2	Effect of autologous platelet-rich plasma-releasate on intervertebral disc degeneration in the rabbit anular puncture model: a preclinical study. <i>Arthritis Research and Therapy</i> , 2012, 14, R241.	3.5	100
3	Intradiscal Injection of Autologous Platelet-Rich Plasma Releasate to Treat Discogenic Low Back Pain: A Preliminary Clinical Trial. <i>Asian Spine Journal</i> , 2017, 11, 380-389.	2.0	89
4	Conventional and Ultrashort Time-to-Echo Magnetic Resonance Imaging of Articular Cartilage, Meniscus, and Intervertebral Disk. <i>Topics in Magnetic Resonance Imaging</i> , 2010, 21, 275-289.	1.2	55
5	Morphology of the Cartilaginous Endplates in Human Intervertebral Disks with Ultrashort Echo Time MR Imaging. <i>Radiology</i> , 2013, 266, 564-574.	7.3	55
6	Development of a Comprehensive Osteochondral Allograft MRI Scoring System (OCAMRISS) With Histopathologic, Micro-Computed Tomography, and Biomechanical Validation. <i>Cartilage</i> , 2014, 5, 16-27.	2.7	43
7	Emerging Technologies for Molecular Therapy for Intervertebral Disk Degeneration. <i>Orthopedic Clinics of North America</i> , 2011, 42, 585-601.	1.2	41
8	Fine-Grain Segmentation of the Intervertebral Discs from MR Spine Images Using Deep Convolutional Neural Networks: BSU-Net. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 1656.	2.5	39
9	Topographic Patterns of Cartilage Lesions in Knee Osteoarthritis. <i>Cartilage</i> , 2010, 1, 10-19.	2.7	33
10	Single- and Bi-component T2* analysis of tendon before and during tensile loading, using UTE sequences. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 42, 114-120.	3.4	32
11	Ultrashort time to echo magnetic resonance techniques for the musculoskeletal system. <i>Quantitative Imaging in Medicine and Surgery</i> , 2016, 6, 731-743.	2.0	32
12	The effects of focal articular defects on intra-tissue strains in the surrounding and opposing cartilage. <i>Biorheology</i> , 2008, 45, 193-207.	0.4	30
13	UTE MRI of the Osteochondral Junction. <i>Current Radiology Reports</i> , 2014, 2, 35.	1.4	30
14	Quantitative 3D ultrashort time-to-echo (UTE) MRI and micro-CT ( $\frac{1}{4}$ CT) evaluation of the temporomandibular joint (TMJ) condylar morphology. <i>Skeletal Radiology</i> , 2014, 43, 19-25.	2.0	27
15	ISSLS PRIZE IN BASIC SCIENCE 2018: Growth differentiation factor-6 attenuated pro-inflammatory molecular changes in the rabbit anular-puncture model and degenerated disc-induced pain generation in the rat xenograft radiculopathy model. <i>European Spine Journal</i> , 2018, 27, 739-751.	2.2	27
16	Effects of repetitive freeze-thawing cycles on T2 and T2* of the Achilles tendon. <i>European Journal of Radiology</i> , 2014, 83, 349-353.	2.6	26
17	Magnetic resonance imaging assessed cortical porosity is highly correlated with $\frac{1}{4}$ CT porosity. <i>Bone</i> , 2014, 66, 56-61.	2.9	26
18	Proton density water fraction as a biomarker of bone marrow cellularity: Validation in ex vivo spine specimens. <i>Magnetic Resonance Imaging</i> , 2014, 32, 1097-1101.	1.8	26

#	ARTICLE	IF	CITATIONS
19	Qualitative and Quantitative Ultrashort Echo Time Imaging of Musculoskeletal Tissues. <i>Seminars in Musculoskeletal Radiology</i> , 2015, 19, 375-386.	0.7	23
20	Quantitative magnetic resonance imaging of the lumbar intervertebral discs. <i>Quantitative Imaging in Medicine and Surgery</i> , 2016, 6, 744-755.	2.0	22
21	Advanced MRI Techniques for the Ankle. <i>American Journal of Roentgenology</i> , 2017, 209, 511-524.	2.2	19
22	New Techniques in MR Imaging of the Ankle and Foot. <i>Magnetic Resonance Imaging Clinics of North America</i> , 2017, 25, 211-225.	1.1	16
23	Evaluation of the disco-vertebral junction using ultrashort time-to-echo magnetic resonance imaging: inter-reader agreement and association with vertebral endplate lesions. <i>Skeletal Radiology</i> , 2016, 45, 1249-1256.	2.0	14
24	Thickness of the Meniscal Lamellar Layer: Correlation with Indentation Stiffness and Comparison of Normal and Abnormally Thick Layers by Using Multiparametric Ultrashort Echo Time MR Imaging. <i>Radiology</i> , 2016, 280, 161-168.	7.3	13
25	MR morphology of triangular fibrocartilage complex: correlation with quantitative MR and biomechanical properties. <i>Skeletal Radiology</i> , 2016, 45, 447-454.	2.0	13
26	Bone Marrow Aspirate Concentrate Augmentation May Accelerate Allograft Ligamentization in Anterior Cruciate Ligament Reconstruction: A Double-Blinded Randomized Controlled Trial. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2022, 38, 2255-2264.	2.7	12
27	The Calcaneal Crescent in Patients With and Without Plantar Fasciitis: An Ankle MRI Study. <i>American Journal of Roentgenology</i> , 2018, 211, 1075-1082.	2.2	10
28	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
29	Sensitivity of quantitative UTE MRI to the biomechanical property of the temporomandibular joint disc. <i>Skeletal Radiology</i> , 2014, 43, 1217-1223.	2.0	8
30	The effect of excitation and preparation pulses on nonslice selective 2D UTE bicomponent analysis of bound and free water in cortical bone at 3T. <i>Medical Physics</i> , 2014, 41, 022306.	3.0	6
31	Update on MRI Pulse Sequences for the Knee: Imaging of Cartilage, Meniscus, Tendon, and Hardware. <i>Seminars in Musculoskeletal Radiology</i> , 2017, 21, 045-062.	0.7	6
32	Patterns of cartilage degeneration in knees with medial tibiofemoral offset. <i>Skeletal Radiology</i> , 2019, 48, 931-937.	2.0	6
33	Off-resonance saturation ratio obtained with ultrashort echo time magnetization transfer techniques is sensitive to changes in static tensile loading of tendons and degeneration. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 42, 1064-1071.	3.4	4
34	MR imaging pattern of tibial subchondral bone structure: considerations of meniscal coverage and integrity. <i>Skeletal Radiology</i> , 2020, 49, 2019-2027.	2.0	3
35	Editorial for "In Vivo Assessment of Age- and Loading Configuration-Related Changes in Multiscale Mechanical Behavior of the Human Proximal Femur Using MRI-Based Finite Element Analysis". <i>Journal of Magnetic Resonance Imaging</i> , 2021, 53, 913-914.	3.4	0
36	<scp>Time-Resolved Noncontrast</scp> Magnetic Resonance Perfusion Imaging of Paraspinal Muscles. <i>Journal of Magnetic Resonance Imaging</i> , 2022, , .	3.4	0