

# HyunWook Park

## List of Publications by Year in descending order

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59  
papers

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citations

623734

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454955

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g-index

59  
all docs

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docs citations

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times ranked

1101  
citing authors

#	ARTICLE	IF	CITATIONS
1	<a href="#">BUDA-MESMERISE</a> : Rapid acquisition and unsupervised parameter estimation for $T_1$ , $T_2$ , $M_0$ , $B_0$ , and $B_1$ maps. <i>Magnetic Resonance in Medicine</i> , 2022, 88, 292-308.	3.0	4
2	Learning-based optimization of acquisition schedule for magnetization transfer contrast MR fingerprinting. <i>NMR in Biomedicine</i> , 2022, 35, e4662.	2.8	15
3	A $\epsilon$ -image reconstruction network for MRI using recurrent neural network. <i>Medical Physics</i> , 2021, 48, 193-203.	3.0	14
4	Unsupervised learning for magnetization transfer contrast MR fingerprinting: Application to CEST and nuclear Overhauser enhancement imaging. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 2040-2054.	3.0	27
5	Quantification of intravoxel incoherent motion with optimized $b$ -values using deep neural network. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 230-244.	3.0	13
6	Synthesis of brain tumor multicontrast MR images for improved data augmentation. <i>Medical Physics</i> , 2021, 48, 2185-2198.	3.0	13
7	$MC^2$ -Net: motion correction network for multi-contrast brain MRI. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 1077-1092.	3.0	16
8	Unsupervised anomaly detection in MR images using multicontrast information. <i>Medical Physics</i> , 2021, 48, 7346-7359.	3.0	1
9	Unsupervised learning of a deep neural network for metal artifact correction using dual-polarity readout gradients. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 124-138.	3.0	14
10	A deep learning approach for magnetization transfer contrast MR fingerprinting and chemical exchange saturation transfer imaging. <i>NeuroImage</i> , 2020, 221, 117165.	4.2	39
11	A locally segmented reconstruction method for parallel imaging. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 1638-1647.	3.0	0
12	HEVC-based three-layer texture and depth coding for lossless synthesis in 3D video coding. <i>Multimedia Tools and Applications</i> , 2020, 79, 20929-20945.	3.9	3
13	Triple-Frame-Based Bi-Directional Motion Estimation for Motion-Compensated Frame Interpolation. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2019, 29, 1251-1258.	8.3	10
14	Optimization of steady-state pulsed CEST imaging for amide proton transfer at 3T MRI. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 3616-3627.	3.0	9
15	Robust water-fat separation for multi-echo gradient-recalled echo sequence using convolutional neural network. <i>Magnetic Resonance in Medicine</i> , 2019, 82, 476-484.	3.0	16
16	A New No-Reference Method for Judder Artifact Assessment. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2019, 29, 2888-2898.	8.3	1
17	Retrospective motion gating in cardiac MRI using a simultaneously acquired navigator. <i>NMR in Biomedicine</i> , 2018, 31, e3874.	2.8	4
18	Non-contrast-enhanced peripheral MR angiography using velocity-selective excitation. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 779-788.	3.0	2

#	ARTICLE	IF	CITATIONS
19	ETER-net: End to End MR Image Reconstruction Using Recurrent Neural Network. Lecture Notes in Computer Science, 2018, , 12-20.	1.3	8
20	DRF-GRAPPA: A Parallel MRI Method with a Direct Reconstruction Filter. Journal of the Korean Physical Society, 2018, 73, 130-137.	0.7	1
21	A multicontrast imaging method using steady-state free precession with alternating $\alpha$ flip angles. Magnetic Resonance in Medicine, 2018, 80, 1341-1351.	3.0	2
22	Technical Note: Interleaved bipolar acquisition and low-rank reconstruction for water-fat separation in MRI. Medical Physics, 2018, 45, 3229-3237.	3.0	0
23	A Learning-Based Metal Artifacts Correction Method for MRI Using Dual-Polarity Readout Gradients and Simulated Data. Lecture Notes in Computer Science, 2018, , 189-197.	1.3	3
24	Self-gated cardiac cine imaging using phase information. Magnetic Resonance in Medicine, 2017, 77, 1216-1222.	3.0	6
25	A parallel $\alpha$ imaging method using multilayer perceptron. Medical Physics, 2017, 44, 6209-6224.	3.0	124
26	Pairwise Classifier Ensemble with Adaptive Sub-Classifiers for fMRI Pattern Analysis. Neuroscience Bulletin, 2017, 33, 41-52.	2.9	1
27	Multi-contrast MR image denoising for parallel imaging using multilayer perceptron. International Journal of Imaging Systems and Technology, 2016, 26, 65-75.	4.1	7
28	A new metric for judder in high frame-rate video. , 2016, , .		2
29	Neural Activations of Guided Imagery and Music in Negative Emotional Processing: A Functional MRI Study. Journal of Music Therapy, 2016, 53, 257-278.	0.9	11
30	Multi-slice imAGe generation using intra-slice parallel imaging and Inter-slice shifting (MAGGULLI). Physics in Medicine and Biology, 2016, 61, 1692-1704.	3.0	2
31	A Fast Mode Decision Method in HEVC Using Adaptive Ordering of Modes. IEEE Transactions on Circuits and Systems for Video Technology, 2016, 26, 1846-1858.	8.3	28
32	Efficient Synthesis-Based Depth Map Coding in AVC-Compatible 3D Video Coding. IEEE Transactions on Circuits and Systems for Video Technology, 2016, 26, 1107-1116.	8.3	13
33	Sliding time of flight: Sliding time of flight MR angiography using a dynamic image reconstruction method. Magnetic Resonance in Medicine, 2015, 73, 1177-1183.	3.0	3
34	New phase-based $\alpha$ mapping method using two-dimensional spin-echo imaging with hyperbolic secant pulses. Magnetic Resonance in Medicine, 2015, 73, 170-181.	3.0	12
35	An Efficient Motion-Compensated Frame Interpolation Method Using Temporal Information for High-Resolution Videos. Journal of Display Technology, 2015, 11, 580-588.	1.2	17
36	A Region-Based Motion-Compensated Frame Interpolation Method Using a Variance-Distortion Curve. IEEE Transactions on Circuits and Systems for Video Technology, 2015, 25, 518-524.	8.3	10

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37	fMRI analysis of excessive binocular disparity on the human brain. International Journal of Imaging Systems and Technology, 2014, 24, 94-102.	4.1	12
38	An optimal RF shielding method for MR&PET fusion system with insertable PET. International Journal of Imaging Systems and Technology, 2014, 24, 263-269.	4.1	3
39	A pulse artifact removal method considering artifact variations in the simultaneous recording of EEG and fMRI. Neuroscience Research, 2014, 81-82, 42-50.	1.9	10
40	A new susceptibility-weighted image reconstruction method for the reduction of background phase artifacts. Magnetic Resonance in Medicine, 2014, 71, 1324-1335.	3.0	5
41	A shrinkage method for causal network detection of brain regions. International Journal of Imaging Systems and Technology, 2013, 23, 140-146.	4.1	2
42	Predicting Visual Discomfort of Stereoscopic Images Using Human Attention Model. IEEE Transactions on Circuits and Systems for Video Technology, 2013, 23, 2077-2082.	8.3	71
43	An iterative reconstruction method of complex images using expectation maximization for radial parallel MRI. Physics in Medicine and Biology, 2013, 58, 2969-2988.	3.0	4
44	A correction method for streak artifacts in gradient-echo EPI using spin-echo EPI reference data. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2012, 25, 205-213.	2.0	0
45	Skull-stripping method for brain MRI using a 3D level set with a speedup operator. Journal of Magnetic Resonance Imaging, 2011, 34, 445-456.	3.4	18
46	An efficient and fast mode decision method for inter slice of H.264/AVC. , 2009, , .		4
47	Adaptive Up-Sampling Method Using DCT for Spatial Scalability of Scalable Video Coding. IEEE Transactions on Circuits and Systems for Video Technology, 2009, 19, 206-214.	8.3	26
48	Projection reconstruction MR imaging using FOCUSS. Magnetic Resonance in Medicine, 2007, 57, 764-775.	3.0	102
49	Fast Surface and Volume Rendering Based on Shear-Warp Factorization for a Surgical Simulator. Computer Aided Surgery, 2002, 7, 268-278.	1.8	9
50	Region-of-interest coding based on set partitioning in hierarchical trees. IEEE Transactions on Circuits and Systems for Video Technology, 2002, 12, 106-113.	8.3	65
51	A real-time encoding and decoding system for nonlinear HDTV editor. International Journal of Imaging Systems and Technology, 2000, 11, 152-157.	4.1	0
52	Mammographic mass detection by adaptive thresholding and region growing. International Journal of Imaging Systems and Technology, 2000, 11, 340-346.	4.1	15
53	A fast variable-length decoder using plane separation. IEEE Transactions on Circuits and Systems for Video Technology, 2000, 10, 806-812.	8.3	7
54	Statistical textural features for detection of microcalcifications in digitized mammograms. IEEE Transactions on Medical Imaging, 1999, 18, 231-238.	8.9	166

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55	Segmentation and visualization of left ventricle in MR cardiac images. , 0, , .		3
56	A fast hierarchical algorithm of maximum intensity projection. , 0, , .		2
57	An effective preprocessing method for fast hierarchical maximum intensity projection. , 0, , .		1
58	Automatic brain MR image registration based on Talairach reference system. , 0, , .		7
59	Event-related Potential Study of Brain Activation during Word/Pictogram Perception by native Korean Speakers. , 0, , .		0