

# Hyunwook Park

## 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.

72  
papers

586  
citations

14  
h-index

22  
g-index

98  
ext. papers

866  
ext. citations

3.8  
avg. IF

4.32  
L-index

#	Paper	IF	Citations
72	Reinforcement-learning-based Signal Integrity Optimization and Analysis of a Scalable 3D X-Point Array Structure. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , <b>2021</b> , 1-1	1.7	0
71	Signal Integrity and Computing Performance Analysis of a Processing-In-Memory of High Bandwidth Memory (PIM-HBM) Scheme. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , <b>2021</b> , 1-1	1.7	4
70	Unsupervised anomaly detection in MR images using multicontrast information. <i>Medical Physics</i> , <b>2021</b> , 48, 7346-7359	4.4	0
69	Synthesis of brain tumor multicontrast MR images for improved data augmentation. <i>Medical Physics</i> , <b>2021</b> , 48, 2185-2198	4.4	3
68	MC-Net: motion correction network for multi-contrast brain MRI. <i>Magnetic Resonance in Medicine</i> , <b>2021</b> , 86, 1077-1092	4.4	2
67	A Near Field Analytical Model for EMI Reduction and Efficiency Enhancement Using an nth Harmonic Frequency Shielding Coil in a Loosely Coupled Automotive WPT System. <i>IEEE Transactions on Electromagnetic Compatibility</i> , <b>2021</b> , 63, 935-946	2	4
66	Signal Integrity Modeling and Analysis of Large-Scale Memristor Crossbar Array in a High-Speed Neuromorphic System for Deep Neural Network. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , <b>2021</b> , 11, 1122-1136	1.7	1
65	A k-space-to-image reconstruction network for MRI using recurrent neural network. <i>Medical Physics</i> , <b>2021</b> , 48, 193-203	4.4	4
64	Unsupervised learning for magnetization transfer contrast MR fingerprinting: Application to CEST and nuclear Overhauser enhancement imaging. <i>Magnetic Resonance in Medicine</i> , <b>2021</b> , 85, 2040-2054	4.4	14
63	Channel Characteristic-Based Deep Neural Network Models for Accurate Eye Diagram Estimation in High Bandwidth Memory (HBM) Silicon Interposer. <i>IEEE Transactions on Electromagnetic Compatibility</i> , <b>2021</b> , 1-13	2	1
62	Quantification of intravoxel incoherent motion with optimized b-values using deep neural network. <i>Magnetic Resonance in Medicine</i> , <b>2021</b> , 86, 230-244	4.4	4
61	Measurement and Analysis of Through Glass Via Noise Coupling and Shielding Structures in a Glass Interposer. <i>IEEE Transactions on Electromagnetic Compatibility</i> , <b>2021</b> , 1-12	2	2
60	Learning-based optimization of acquisition schedule for magnetization transfer contrast MR fingerprinting.. <i>NMR in Biomedicine</i> , <b>2021</b> , e4662	4.4	4
59	Segmentation method based modeling and analysis of a glass package power distribution network (PDN). <i>Nonlinear Theory and Its Applications IEICE</i> , <b>2020</b> , 11, 170-188	0.6	2
58	Deep Reinforcement Learning-Based Optimal Decoupling Capacitor Design Method for Silicon Interposer-Based 2.5-D/3-D ICs. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , <b>2020</b> , 10, 467-478	1.7	14
57	A locally segmented reconstruction method for parallel imaging. <i>Magnetic Resonance in Medicine</i> , <b>2020</b> , 84, 1638-1647	4.4	
56	A Deep Neural Network-based Estimation of EMI Reduction by an Intermediate Coil in Automotive Wireless Power Transfer System <b>2020</b> ,		1

55	A deep learning approach for magnetization transfer contrast MR fingerprinting and chemical exchange saturation transfer imaging. <i>NeuroImage</i> , <b>2020</b> , 221, 117165	7.9	19
54	Unsupervised learning of a deep neural network for metal artifact correction using dual-polarity readout gradients. <i>Magnetic Resonance in Medicine</i> , <b>2020</b> , 83, 124-138	4.4	7
53	Optimization of steady-state pulsed CEST imaging for amide proton transfer at 3T MRI. <i>Magnetic Resonance in Medicine</i> , <b>2019</b> , 81, 3616-3627	4.4	7
52	Fast and Accurate Power Distribution Network Modeling of a Silicon Interposer for 2.5-D/3-D ICs With Multiarray TSVs. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , <b>2019</b> , 9, 1835-1846	1.7	5
51	. <i>IEEE Transactions on Electromagnetic Compatibility</i> , <b>2019</b> , 61, 1867-1875	2	1
50	Robust water-fat separation for multi-echo gradient-recalled echo sequence using convolutional neural network. <i>Magnetic Resonance in Medicine</i> , <b>2019</b> , 82, 476-484	4.4	4
49	Triple-Frame-Based Bi-Directional Motion Estimation for Motion-Compensated Frame Interpolation. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2019</b> , 29, 1251-1258	6.4	5
48	Processing-in-memory in High Bandwidth Memory (PIM-HBM) Architecture with Energy-efficient and Low Latency Channels for High Bandwidth System <b>2019</b> ,		2
47	Bayesian Optimization of High-Speed Channel for Signal Integrity Analysis <b>2019</b> ,		5
46	Statistical Analysis of Simultaneous Switching Output (SSO) Impacts on Steady State Output Responses and Signal Integrity <b>2019</b> ,		1
45	A New No-Reference Method for Judder Artifact Assessment. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2019</b> , 29, 2888-2898	6.4	1
44	AutoVOI: real-time automatic prescription of volume-of-interest for single voxel spectroscopy. <i>Magnetic Resonance in Medicine</i> , <b>2018</b> , 80, 1787-1798	4.4	14
43	Retrospective motion gating in cardiac MRI using a simultaneously acquired navigator. <i>NMR in Biomedicine</i> , <b>2018</b> , 31, e3874	4.4	4
42	Non-contrast-enhanced peripheral MR angiography using velocity-selective excitation. <i>Magnetic Resonance in Medicine</i> , <b>2018</b> , 79, 779-788	4.4	1
41	DRF-GRAPPA: A Parallel MRI Method with a Direct Reconstruction Filter. <i>Journal of the Korean Physical Society</i> , <b>2018</b> , 73, 130-137	0.6	0
40	A multicontrast imaging method using steady-state free precession with alternating RF flip angles. <i>Magnetic Resonance in Medicine</i> , <b>2018</b> , 80, 1341-1351	4.4	0
39	Technical Note: Interleaved bipolar acquisition and low-rank reconstruction for water-fat separation in MRI. <i>Medical Physics</i> , <b>2018</b> , 45, 3229-3237	4.4	
38	Hippocampal Subfields Volume Reduction in High Schoolers with Previous Verbal Abuse Experiences. <i>Clinical Psychopharmacology and Neuroscience</i> , <b>2018</b> , 16, 46-56	3.4	19

37	Eye-Width and Eye-Height Estimation Method Based on Artificial Neural Network (ANN) for USB 3.0 <b>2018</b> ,		2
36	Motion Compensated Frame Interpolation of Occlusion and Motion Ambiguity Regions Using Color-Plus-Depth Information <b>2018</b> ,		1
35	Self-gated cardiac cine imaging using phase information. <i>Magnetic Resonance in Medicine</i> , <b>2017</b> , 77, 1216-1224	4.1	4
34	DC artifact correction for arbitrary phase-cycling sequence. <i>Magnetic Resonance Imaging</i> , <b>2017</b> , 38, 21-26	3.3	
33	A parallel MR imaging method using multilayer perceptron. <i>Medical Physics</i> , <b>2017</b> , 44, 6209-6224	4.4	78
32	Altered Function of Ventrolateral Prefrontal Cortex in Adolescents with Peer Verbal Abuse History. <i>Psychiatry Investigation</i> , <b>2017</b> , 14, 441-451	3.1	6
31	A New Shape Feature for Vehicle Classification in Thermal Video Sequences. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2016</b> , 26, 1363-1375	6.4	2
30	A new metric for judder in high frame-rate video <b>2016</b> ,		1
29	Size-Controlled Construction of Magnetic Nanoparticle Clusters Using DNA-Binding Zinc Finger Protein. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 937-940	3.6	1
28	Depth Map Rasterization Using Triangulation and Color Consistency for Various Sampling Structures. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2015</b> , 25, 1081-1098	6.4	2
27	An Efficient Motion-Compensated Frame Interpolation Method Using Temporal Information for High-Resolution Videos. <i>Journal of Display Technology</i> , <b>2015</b> , 11, 580-588		13
26	Aberrant function of frontoamygdala circuits in adolescents with previous verbal abuse experiences. <i>Neuropsychologia</i> , <b>2015</b> , 79, 76-85	3.2	20
25	A MR compatible PET insert for human neuro imaging: Optimization and initial human study <b>2015</b> ,		1
24	Development of PET insert for simultaneous PET/MR imaging of human brain. <i>EJNMMI Physics</i> , <b>2014</b> , 1, A8	4.4	
23	Offset Compensation Method for Skip Mode in Hybrid Video Coding. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2014</b> , 24, 1825-1831	6.4	3
22	fMRI analysis of excessive binocular disparity on the human brain. <i>International Journal of Imaging Systems and Technology</i> , <b>2014</b> , 24, 94-102	2.5	11
21	An optimal RF shielding method for MR-PET fusion system with insertable PET. <i>International Journal of Imaging Systems and Technology</i> , <b>2014</b> , 24, 263-269	2.5	2
20	Iterative True Motion Estimation for Motion-Compensated Frame Interpolation. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2013</b> , 23, 445-454	6.4	25

19	A shrinkage method for causal network detection of brain regions. <i>International Journal of Imaging Systems and Technology</i> , <b>2013</b> , 23, 140-146	2.5	2
18	A Fast Mode Decision Method Based on Motion Cost and Intra Prediction Cost for H.264/AVC. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2012</b> , 22, 393-402	6.4	19
17	A Ringing-Artifact Reduction Method for Block-DCT-Based Image Resizing. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2011</b> , 21, 879-889	6.4	14
16	Human brain response to visual fatigue caused by stereoscopic depth perception <b>2011</b> ,		19
15	An efficient side information generation using seed blocks for distributed video coding <b>2010</b> ,		3
14	Region-of-Interest based pixel domain Wyner-Ziv coding <b>2010</b> ,		3
13	A high-resolution image reconstruction method from low-resolution image sequence <b>2009</b> ,		2
12	An adaptive reference frame selection method for multiple reference frame motion estimation in the H.264/AVC <b>2009</b> ,		2
11	A 36 fps SXGA 3-D Display Processor Embedding a Programmable 3-D Graphics Rendering Engine. <i>IEEE Journal of Solid-State Circuits</i> , <b>2008</b> , 43, 1247-1259	5.5	4
10	A fast spherical inflation method of the cerebral cortex by deformation of a simplex mesh on the polar coordinates. <i>International Journal of Imaging Systems and Technology</i> , <b>2008</b> , 18, 9-16	2.5	5
9	Image Resolution Enhancement using Inter-Subband Correlation in Wavelet Domain. <i>Proceedings International Conference on Image Processing</i> , <b>2007</b> ,	1.6	23
8	Adaptive up-sampling method for H.264 scalable video coding <b>2006</b> ,		2
7	A Dense Disparity Estimation Method using Color Segmentation and Energy Minimization <b>2006</b> ,		1
6	Adaptive Intra-Frame Assignment and Bit-Rate Estimation for Variable GOP Length in H.264. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2006</b> , 16, 1271-1279	6.4	26
5	Analysis of IDCT and motion-compensation mismatches between spatial-domain and transform-domain motion-compensated coders. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2005</b> , 15, 835-843	6.4	4
4	TECHNIQUES IN IMAGE SEGMENTATION AND 3D VISUALIZATION IN BRAIN MRI AND THEIR APPLICATIONS <b>2005</b> , 207-253		1
3	Design and analysis of an image resizing filter in the block-DCT domain. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2004</b> , 14, 274-279	6.4	14
2	L/M-fold image resizing in block-DCT domain using symmetric convolution. <i>IEEE Transactions on Image Processing</i> , <b>2003</b> , 12, 1016-34	8.7	43

1 Active contour model with gradient directional information: directional snake. *IEEE Transactions on Circuits and Systems for Video Technology*, **2001**, 11, 252-256

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