Hyunwook Park

List of Publications by Citations

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	A parallel MR imaging method using multilayer perceptron. *Medical Physics*, **2017**, 44, 6209-6224	4.4	78
71	Active contour model with gradient directional information: directional snake. *IEEE Transactions on Circuits and Systems for Video Technology*, **2001**, 11, 252-256	6.4	67
70	L/M-fold image resizing in block-DCT domain using symmetric convolution. *IEEE Transactions on Image Processing*, **2003**, 12, 1016-34	8.7	43
69	Adaptive Intra-Frame Assignment and Bit-Rate Estimation for Variable GOP Length in H.264. *IEEE Transactions on Circuits and Systems for Video Technology*, **2006**, 16, 1271-1279	6.4	26
68	Iterative True Motion Estimation for Motion-Compensated Frame Interpolation. *IEEE Transactions on Circuits and Systems for Video Technology*, **2013**, 23, 445-454	6.4	25
67	Image Resolution Enhancement using Inter-Subband Correlation in Wavelet Domain. *Proceedings International Conference on Image Processing*, **2007**,	1.6	23
66	Aberrant function of frontoamygdala circuits in adolescents with previous verbal abuse experiences. *Neuropsychologia*, **2015**, 79, 76-85	3.2	20
65	A Fast Mode Decision Method Based on Motion Cost and Intra Prediction Cost for H.264/AVC. *IEEE Transactions on Circuits and Systems for Video Technology*, **2012**, 22, 393-402	6.4	19
64	Human brain response to visual fatigue caused by stereoscopic depth perception **2011**,		19
63	Hippocampal Subfields Volume Reduction in High Schoolers with Previous Verbal Abuse Experiences. *Clinical Psychopharmacology and Neuroscience*, **2018**, 16, 46-56	3.4	19
62	A deep learning approach for magnetization transfer contrast MR fingerprinting and chemical exchange saturation transfer imaging. *NeuroImage*, **2020**, 221, 117165	7.9	19
61	Deep Reinforcement Learning-Based Optimal Decoupling Capacitor Design Method for Silicon Interposer-Based 2.5-D/3-D ICs. *IEEE Transactions on Components, Packaging and Manufacturing Technology*, **2020**, 10, 467-478	1.7	14
60	AutoVOI: real-time automatic prescription of volume-of-interest for single voxel spectroscopy. *Magnetic Resonance in Medicine*, **2018**, 80, 1787-1798	4.4	14
59	A Ringing-Artifact Reduction Method for Block-DCT-Based Image Resizing. *IEEE Transactions on Circuits and Systems for Video Technology*, **2011**, 21, 879-889	6.4	14
58	Design and analysis of an image resizing filter in the block-DCT domain. *IEEE Transactions on Circuits and Systems for Video Technology*, **2004**, 14, 274-279	6.4	14
57	Unsupervised learning for magnetization transfer contrast MR fingerprinting: Application to CEST and nuclear Overhauser enhancement imaging. *Magnetic Resonance in Medicine*, **2021**, 85, 2040-2054	4.4	14
56	An Efficient Motion-Compensated Frame Interpolation Method Using Temporal Information for High-Resolution Videos. *Journal of Display Technology*, **2015**, 11, 580-588		13

55	fMRI analysis of excessive binocular disparity on the human brain. *International Journal of Imaging Systems and Technology*, **2014**, 24, 94-102	2.5	11
54	Optimization of steady-state pulsed CEST imaging for amide proton transfer at 3T MRI. *Magnetic Resonance in Medicine*, **2019**, 81, 3616-3627	4.4	7
53	Unsupervised learning of a deep neural network for metal artifact correction using dual-polarity readout gradients. *Magnetic Resonance in Medicine*, **2020**, 83, 124-138	4.4	7
52	Altered Function of Ventrolateral Prefrontal Cortex in Adolescents with Peer Verbal Abuse History. *Psychiatry Investigation*, **2017**, 14, 441-451	3.1	6
51	Fast and Accurate Power Distribution Network Modeling of a Silicon Interposer for 2.5-D/3-D ICs With Multiarray TSVs. *IEEE Transactions on Components, Packaging and Manufacturing Technology*, **2019**, 9, 1835-1846	1.7	5
50	Triple-Frame-Based Bi-Directional Motion Estimation for Motion-Compensated Frame Interpolation. *IEEE Transactions on Circuits and Systems for Video Technology*, **2019**, 29, 1251-1258	6.4	5
49	A fast spherical inflation method of the cerebral cortex by deformation of a simplex mesh on the polar coordinates. *International Journal of Imaging Systems and Technology*, **2008**, 18, 9-16	2.5	5
48	Bayesian Optimization of High-Speed Channel for Signal Integrity Analysis **2019**,		5
47	Self-gated cardiac cine imaging using phase information. *Magnetic Resonance in Medicine*, **2017**, 77, 1216-1222	4.4	4
46	Robust water-fat separation for multi-echo gradient-recalled echo sequence using convolutional neural network. *Magnetic Resonance in Medicine*, **2019**, 82, 476-484	4.4	4
45	Retrospective motion gating in cardiac MRI using a simultaneously acquired navigator. *NMR in Biomedicine*, **2018**, 31, e3874	4.4	4
44	A 36 fps SXGA 3-D Display Processor Embedding a Programmable 3-D Graphics Rendering Engine. *IEEE Journal of Solid-State Circuits*, **2008**, 43, 1247-1259	5.5	4
43	Analysis of IDCT and motion-compensation mismatches between spatial-domain and transform-domain motion-compensated coders. *IEEE Transactions on Circuits and Systems for Video Technology*, **2005**, 15, 835-843	6.4	4
42	Signal Integrity and Computing Performance Analysis of a Processing-In-Memory of High Bandwidth Memory (PIM-HBM) Scheme. *IEEE Transactions on Components, Packaging and Manufacturing Technology*, **2021**, 1-1	1.7	4
41	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. *IEEE Transactions on Electromagnetic Compatibility*, **2021**, 63, 935-946	2	4
40	A k-space-to-image reconstruction network for MRI using recurrent neural network. *Medical Physics*, **2021**, 48, 193-203	4.4	4
39	Quantification of intravoxel incoherent motion with optimized b-values using deep neural network. *Magnetic Resonance in Medicine*, **2021**, 86, 230-244	4.4	4
38	Learning-based optimization of acquisition schedule for magnetization transfer contrast MR fingerprinting.. *NMR in Biomedicine*, **2021**, e4662	4.4	4

37	Offset Compensation Method for Skip Mode in Hybrid Video Coding. *IEEE Transactions on Circuits and Systems for Video Technology*, **2014**, 24, 1825-1831	6.4	3
36	An efficient side information generation using seed blocks for distributed video coding **2010**,		3
35	Region-of-Interest based pixel domain Wyner-Ziv coding **2010**,		3
34	Synthesis of brain tumor multicontrast MR images for improved data augmentation. *Medical Physics*, **2021**, 48, 2185-2198	4.4	3
33	A New Shape Feature for Vehicle Classification in Thermal Video Sequences. *IEEE Transactions on Circuits and Systems for Video Technology*, **2016**, 26, 1363-1375	6.4	2
32	Depth Map Rasterization Using Triangulation and Color Consistency for Various Sampling Structures. *IEEE Transactions on Circuits and Systems for Video Technology*, **2015**, 25, 1081-1098	6.4	2
31	Segmentation method based modeling and analysis of a glass package power distribution network (PDN). *Nonlinear Theory and Its Applications IEICE*, **2020**, 11, 170-188	0.6	2
30	An optimal RF shielding method for MR-PET fusion system with insertable PET. *International Journal of Imaging Systems and Technology*, **2014**, 24, 263-269	2.5	2
29	A shrinkage method for causal network detection of brain regions. *International Journal of Imaging Systems and Technology*, **2013**, 23, 140-146	2.5	2
28	A high-resolution image reconstuction method from low-resolution image sequence **2009**,		2
27	An adaptive reference frame selection method for multiple reference frame motion estimation in the H.264/AVC **2009**,		2
26	Adaptive up-sampling method for H.264 scalable video coding **2006**,		2
25	MC -Net: motion correction network for multi-contrast brain MRI. *Magnetic Resonance in Medicine*, **2021**, 86, 1077-1092	4.4	2
24	Processing-in-memory in High Bandwidth Memory (PIM-HBM) Architecture with Energy-efficient and Low Latency Channels for High Bandwidth System **2019**,		2
23	Eye-Width and Eye-Height Estimation Method Based on Artificial Neural Network (ANN) for USB 3.0 **2018**,		2
22	Measurement and Analysis of Through Glass Via Noise Coupling and Shielding Structures in a Glass Interposer. *IEEE Transactions on Electromagnetic Compatibility*, **2021**, 1-12	2	2
21	. *IEEE Transactions on Electromagnetic Compatibility*, **2019**, 61, 1867-1875	2	1
20	Size-Controlled Construction of Magnetic Nanoparticle Clusters Using DNA-Binding Zinc Finger Protein. *Angewandte Chemie*, **2015**, 127, 937-940	3.6	1

19	Non-contrast-enhanced peripheral MR angiography using velocity-selective excitation. *Magnetic Resonance in Medicine*, **2018**, 79, 779-788	4.4	1
18	A MR compatible PET insert for human neuro imaging: Optimization and initial human study **2015**,		1
17	A Dense Disparity Estimation Method using Color Segmentation and Energy Minimization **2006**,		1
16	A Deep Neural Network-based Estimation of EMI Reduction by an Intermediate Coil in Automotive Wireless Power Transfer System **2020**,		1
15	TECHNIQUES IN IMAGE SEGMENTATION AND 3D VISUALIZATION IN BRAIN MRI AND THEIR APPLICATIONS **2005**, 207-253		1
14	Signal Integrity Modeling and Analysis of Large-Scale Memristor Crossbar Array in a High-Speed Neuromorphic System for Deep Neural Network. *IEEE Transactions on Components, Packaging and Manufacturing Technology*, **2021**, 11, 1122-1136	1.7	1
13	A new metric for judder in high frame-rate video **2016**,		1
12	Statistical Analysis of Simultaneous Switching Output (SSO) Impacts on Steady State Output Responses and Signal Integrity **2019**,		1
11	A New No-Reference Method for Judder Artifact Assessment. *IEEE Transactions on Circuits and Systems for Video Technology*, **2019**, 29, 2888-2898	6.4	1
10	Channel Characteristic-Based Deep Neural Network Models for Accurate Eye Diagram Estimation in High Bandwidth Memory (HBM) Silicon Interposer. *IEEE Transactions on Electromagnetic Compatibility*, **2021**, 1-13	2	1
9	Motion Compensated Frame Interpolation of Occlusion and Motion Ambiguity Regions Using Color-Plus-Depth Information **2018**,		1
8	DRF-GRAPPA: A Parallel MRI Method with a Direct Reconstruction Filter. *Journal of the Korean Physical Society*, **2018**, 73, 130-137	0.6	0
7	A multicontrast imaging method using steady-state free precession with alternating RF flip angles. *Magnetic Resonance in Medicine*, **2018**, 80, 1341-1351	4.4	0
6	Reinforcement-learning-based Signal Integrity Optimization and Analysis of a Scalable 3D X-Point Array Structure. *IEEE Transactions on Components, Packaging and Manufacturing Technology*, **2021**, 1-1	1.7	0
5	Unsupervised anomaly detection in MR images using multicontrast information. *Medical Physics*, **2021**, 48, 7346-7359	4.4	0
4	DC artifact correction for arbitrary phase-cycling sequence. *Magnetic Resonance Imaging*, **2017**, 38, 21-26	3.3	
3	A locally segmented reconstruction method for parallel imaging. *Magnetic Resonance in Medicine*, **2020**, 84, 1638-1647	4.4	
2	Technical Note: Interleaved bipolar acquisition and low-rank reconstruction for water-fat separation in MRI. *Medical Physics*, **2018**, 45, 3229-3237	4.4	

[1] Development of PET insert for simultaneous PET/MR imaging of human brain. *EJNMMI Physics*, **2014**, 1, A8

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