Hyunwook Park

List of Publications by Year
in descending order

97	1,181	471061 17	454577 30
papers	citations	h-index	g-index

98	98	98	1219
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A parallel <scp>MR</scp> imaging method using multilayer perceptron. Medical Physics, 2017, 44, 6209-6224.	1.6	124
2	Active contour model with gradient directional information: directional snake. IEEE Transactions on Circuits and Systems for Video Technology, 2001, 11, 252-256.	5.6	89
3	L/M-fold image resizing in block-dct domain using symmetric convolution. IEEE Transactions on Image Processing, 2003, 12, 1016-1034.	6.0	81
4	Image Resolution Enhancement using Inter-Subband Correlation in Wavelet Domain. Proceedings International Conference on Image Processing, 2007, , .	0.0	70
5	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.	1.4	47
6	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.	5.6	40
7	A deep learning approach for magnetization transfer contrast MR fingerprinting and chemical exchange saturation transfer imaging. NeuroImage, 2020, 221, 117165.	2.1	39
8	Aberrant function of frontoamygdala circuits in adolescents with previous verbal abuse experiences. Neuropsychologia, 2015, 79, 76-85.	0.7	37
9	AutoVOI: realâ€time automatic prescription of volumeâ€ofâ€interest for single voxel spectroscopy. Magnetic Resonance in Medicine, 2018, 80, 1787-1798.	1.9	32
10	Iterative True Motion Estimation for Motion-Compensated Frame Interpolation. IEEE Transactions on Circuits and Systems for Video Technology, 2013, 23, 445-454.	5.6	30
11	Unsupervised learning for magnetization transfer contrast MR fingerprinting: Application to CEST and nuclear Overhauser enhancement imaging. Magnetic Resonance in Medicine, 2021, 85, 2040-2054.	1.9	27
12	Hippocampal Subfields Volume Reduction in High Schoolers with Previous Verbal Abuse Experiences. Clinical Psychopharmacology and Neuroscience, 2018, 16, 46-56.	0.9	27
13	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.	5.6	26
14	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.	5.6	26
15	A Ringing-Artifact Reduction Method for Block-DCT-Based Image Resizing. IEEE Transactions on Circuits and Systems for Video Technology, 2011, 21, 879-889.	5.6	25
16	Human brain response to visual fatigue caused by stereoscopic depth perception. , 2011, , .		25
17	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.	1.4	19
18	An Efficient Motion-Compensated Frame Interpolation Method Using Temporal Information for High-Resolution Videos. Journal of Display Technology, 2015, 11, 580-588.	1.3	17

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19	Robust waterâ€“fat separation for multiâ€echo gradientâ€recalled echo sequence using convolutional neural network. Magnetic Resonance in Medicine, 2019, 82, 476-484.	1.9	16
20	MC²â€Net: motion correction network for multiâ€contrast brain MRI. Magnetic Resonance in Medicine, 2021, 86, 1077-1092.	1.9	16
21	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.	1.4	15
22	Altered Function of Ventrolateral Prefrontal Cortex in Adolescents with Peer Verbal Abuse History. Psychiatry Investigation, 2017, 14, 441.	0.7	15
23	Learningâ€based optimization of acquisition schedule for magnetization transfer contrast MR fingerprinting. NMR in Biomedicine, 2022, 35, e4662.	1.6	15
24	Unsupervised learning of a deep neural network for metal artifact correction using dualâ€polarity readout gradients. Magnetic Resonance in Medicine, 2020, 83, 124-138.	1.9	14
25	A kâ€spaceâ€toâ€image reconstruction network for MRI using recurrent neural network. Medical Physics, 2021, 48, 193-203.	1.6	14
26	Quantification of intravoxel incoherent motion with optimized bâ€values using deep neural network. Magnetic Resonance in Medicine, 2021, 86, 230-244.	1.9	13
27	Synthesis of brain tumor multicontrast MR images for improved data augmentation. Medical Physics, 2021, 48, 2185-2198.	1.6	13
28	fMRI analysis of excessive binocular disparity on the human brain. International Journal of Imaging Systems and Technology, 2014, 24, 94-102.	2.7	12
29	Polynomial Model-Based Eye Diagram Estimation Methods for LFSR-Based Bit Streams in PRBS Test and Scrambling. IEEE Transactions on Electromagnetic Compatibility, 2019, 61, 1867-1875.	1.4	12
30	Bayesian Optimization of High-Speed Channel for Signal Integrity Analysis. , 2019, , .		12
31	Channel Characteristic-Based Deep Neural Network Models for Accurate Eye Diagram Estimation in High Bandwidth Memory (HBM) Silicon Interposer. IEEE Transactions on Electromagnetic Compatibility, 2022, 64, 196-208.	1.4	11
32	Measurement and Analysis of Through Glass Via Noise Coupling and Shielding Structures in a Glass Interposer. IEEE Transactions on Electromagnetic Compatibility, 2021, 63, 1562-1573.	1.4	11
33	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.	5.6	10
34	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, 11, 1955-1970.	1.4	10
35	Eye-Width and Eye-Height Estimation Method Based on Artificial Neural Network (ANN) for USB 3.0. , 2018, , .		9
36	Optimization of steadyâ€state pulsed CEST imaging for amide proton transfer at 3T MRI. Magnetic Resonance in Medicine, 2019, 81, 3616-3627.	1.9	9

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37	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.	5.6	8
38	An adaptive divide-and-predict coding for intra-frame of H.264/AVC. , 2009, , .		8
39	Processing-in-memory in High Bandwidth Memory (PIM-HBM) Architecture with Energy-efficient and Low Latency Channels for High Bandwidth System. , 2019, , .		7
40	Reinforcement Learning-based Auto-router considering Signal Integrity. , 2020, , .		7
41	Policy Gradient Reinforcement Learning-based Optimal Decoupling Capacitor Design Method for 2.5-D/3-D ICs using Transformer Network. , 2020, , .		7
42	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.	3.5	6
43	A New Shape Feature for Vehicle Classification in Thermal Video Sequences. IEEE Transactions on Circuits and Systems for Video Technology, 2016, 26, 1363-1375.	5.6	6
44	Selfâ€gated cardiac cine imaging using phase information. Magnetic Resonance in Medicine, 2017, 77, 1216-1222.	1.9	6
45	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.	1.4	6
46	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.	2.7	5
47	Region-of-Interest based pixel domain Wyner-Ziv coding. , 2010, , .		5
48	Segmentation method based modeling and analysis of a glass package power distribution network (PDN). Nonlinear Theory and Its Applications IEICE, 2020, 11, 170-188.	0.4	5
49	Reinforcement-Learning-Based Signal Integrity Optimization and Analysis of a Scalable 3-D X-Point Array Structure. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2022, 12, 100-110.	1.4	5
50	Invariant feature extraction based on radial and distance function for automatic target recognition. , 0, , .		4
51	An efficient side information generation using seed blocks for distributed video coding. , 2010, , .		4
52	Retrospective motion gating in cardiac MRI using a simultaneously acquired navigator. NMR in Biomedicine, 2018, 31, e3874.	1.6	4
53	Design and Analysis of a 10 Gbps USB 3.2 Gen 2 Type-C Connector for TV Set-Top Box. , 2019, , .		4
54	A Deep Neural Network-based Estimation of EMI Reduction by an Intermediate Coil in Automotive Wireless Power Transfer System. , 2020, , .		4

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55	Sequential Policy Network-based Optimal Passive Equalizer Design for an Arbitrary Channel of High Bandwidth Memory using Advantage Actor Critic. , 2021, , .		4
56	Efficient down-up sampling using DCT kernel for MPEG-21 SVC. , 2005, , .		3
57	A high-resolution image reconstuction method from low-resolution image sequence. , 2009, , .		3
58	Offset Compensation Method for Skip Mode in Hybrid Video Coding. IEEE Transactions on Circuits and Systems for Video Technology, 2014, 24, 1825-1831.	5.6	3
59	An optimal RF shielding method for MRâ€PET fusion system with insertable PET. International Journal of Imaging Systems and Technology, 2014, 24, 263-269.	2.7	3
60	Statistical Analysis of Simultaneous Switching Output (SSO) Impacts on Steady State Output Responses and Signal Integrity. , 2019, , .		3
61	Design and Analysis of High-Definition Multimedia Interface Connectors considering Signal Integrity. , 2019, , .		3
62	Deep Reinforcement Learning Framework for Optimal Decoupling Capacitor Placement on General PDN with an Arbitrary Probing Port. , 2021, , .		3
63	A Deep Neural Network-based Estimation of Efficiency Enhancement by an Intermediate Coil in Automotive Wireless Power Transfer System. , 2020, , .		3
64	PAM-4 based PCIe 6.0 Channel Design Optimization Method using Bayesian Optimization. , 2021, , .		3
65	Deep Reinforcement Learning-based Pin Assignment Optimization of BGA Packages considering Signal Integrity with Graph Representation. , 2021, , .		3
66	Region-of-interest coding based on set partitioning in hierarchical trees. , 0, , .		2
67	Adaptive up-sampling method for H.264 scalable video coding. , 2006, , .		2
68	An adaptive reference frame selection method for multiple reference frame motion estimation in the H.264/AVC. , 2009, , .		2
69	A shrinkage method for causal network detection of brain regions. International Journal of Imaging Systems and Technology, 2013, 23, 140-146.	2.7	2
70	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.	5.6	2
71	A new metric for judder in high frame-rate video. , 2016, , .		2
72	Nonâ€contrastâ€enhanced peripheral MR angiography using velocityâ€selective excitation. Magnetic Resonance in Medicine, 2018, 79, 779-788.	1.9	2

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73	Motion Compensated Frame Interpolation of Occlusion and Motion Ambiguity Regions Using Color-Plus-Depth Information. , 2018, , .		2
74	A multicontrast imaging method using steadyâ€state free precession with alternating <scp>RF</scp> flip angles. Magnetic Resonance in Medicine, 2018, 80, 1341-1351.	1.9	2
75	TECHNIQUES IN IMAGE SEGMENTATION AND 3D VISUALIZATION IN BRAIN MRI AND THEIR APPLICATIONS. , 2005, , 207-253.		2
76	Signal Integrity Design and Analysis of a Spiral Through-Silicon Via (TSV) Array Channel for High Bandwidth Memory (HBM). , 2021, , .		2
77	Moving-object segmentation with adaptive sprite for DCT-based video coder. , 0, , .		1
78	A Dense Disparity Estimation Method using Color Segmentation and Energy Minimization. , 2006, , .		1
79	A Simultaneous View Interpolation and Multiplexing Method using Stereo Image Pairs for Lenticular Display. , 2007, , .		1
80	A Reduced Resolution Update method on transform domain for H.264/AVC. , 2008, , .		1
81	Fast all in-focus light field rendering using dynamic block-based focusing technique. , 2011, , .		1
82	An optimal motion vector regularization method using variance-distortion curve. , 2012, , .		1
83	A MR compatible PET insert for human neuro imaging: Optimization and initial human study. , 2015, , .		1
84	DRF-GRAPPA: A Parallel MRI Method with a Direct Reconstruction Filter. Journal of the Korean Physical Society, 2018, 73, 130-137.	0.3	1
85	A New No-Reference Method for Judder Artifact Assessment. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 2888-2898.	5.6	1
86	Unsupervised anomaly detection in MR images using multicontrast information. Medical Physics, 2021, 48, 7346-7359.	1.6	1
87	Design and Analysis of HDMI 2.1 Connector for Crosstalk Reduction using Tabs and Inverse Tabs. , 2021, , .		1
88	Progressive coding of error diffused images. , 0, , .		0
89	Precision lifting method to reduce the mismatches between spatial- and transform-domain motion-compensated coders. , 0, , .		0
90	Motion Vector Estimation and Adatptive Refinement for the MPEG-4 to H.264/AVC Video Transcoder. , 2006, , .		0

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91	Composite Contrast Approach for Cellular MRI using the Combination of Gadolinium Chelates and Iron Oxide Particles. , 2007, , .		0
92	Guest editorial: Special issue on human brain imaging. International Journal of Imaging Systems and Technology, 2008, 18, 1-1.	2.7	0
93	Development of PET insert for simultaneous PET/MR imaging of human brain. EJNMMI Physics, 2014, 1, A8.	1.3	0
94	DC artifact correction for arbitrary phase-cycling sequence. Magnetic Resonance Imaging, 2017, 38, 21-26.	1.0	0
95	Technical Note: Interleaved bipolar acquisition and lowâ€rank reconstruction for waterâ€“fat separation in MRI. Medical Physics, 2018, 45, 3229-3237.	1.6	0
96	A locally segmented reconstruction method for parallel imaging. Magnetic Resonance in Medicine, 2020, 84, 1638-1647.	1.9	0
97	Crosstalk-included PAM-4 Worst Eye Diagram Estimation Method for High-speed Serial Links. , 2021, , .		0