HyunWook Park

List of Publications by Year
in descending order

59 papers	983 citations	623734 14 h-index
59 all docs	59 docs citations	59 times ranked

454955 30 g-index	1101 citing authors

#	Article	IF	Citations
1	Statistical textural features for detection of microcalcifications in digitized mammograms. IEEE Transactions on Medical Imaging, 1999, 18, 231-238.	8.9	166
2	A parallel <scp>MR</scp> imaging method using multilayer perceptron. Medical Physics, 2017, 44, 6209-6224.	3.0	124
3	Projection reconstruction MR imaging using FOCUSS. Magnetic Resonance in Medicine, 2007, 57, 764-775.	3.0	102
4	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
5	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
6	A deep learning approach for magnetization transfer contrast MR fingerprinting and chemical exchange saturation transfer imaging. NeuroImage, 2020, 221, 117165.	4.2	39
7	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
8	Unsupervised learning for magnetization transfer contrast MR fingerprinting: Application to CEST and nuclear Overhauser enhancement imaging. Magnetic Resonance in Medicine, 2021, 85, 2040-2054.	3.0	27
9	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
10	Skullâ€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
11	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
12	Robust waterâ€"fat separation for multiâ€echo gradientâ€recalled echo sequence using convolutional neural network. Magnetic Resonance in Medicine, 2019, 82, 476-484.	3.0	16
13	MC²â€Net: motion correction network for multiâ€contrast brain MRI. Magnetic Resonance in Medicine, 2021, 86, 1077-1092.	3.0	16
14	Mammographic mass detection by adaptive thresholding and region growing. International Journal of Imaging Systems and Technology, 2000, 11, 340-346.	4.1	15
15	Learningâ€based optimization of acquisition schedule for magnetization transfer contrast MR fingerprinting. NMR in Biomedicine, 2022, 35, e4662.	2.8	15
16	Unsupervised learning of a deep neural network for metal artifact correction using dualâ€polarity readout gradients. Magnetic Resonance in Medicine, 2020, 83, 124-138.	3.0	14
17	A kâ€spaceâ€toâ€image reconstruction network for MRI using recurrent neural network. Medical Physics, 2021, 48, 193-203.	3.0	14
18	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

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19	Quantification of intravoxel incoherent motion with optimized b-values using deep neural network. Magnetic Resonance in Medicine, 2021, 86, 230-244.	3.0	13
20	Synthesis of brain tumor multicontrast MR images for improved data augmentation. Medical Physics, 2021, 48, 2185-2198.	3.0	13
21	fMRI analysis of excessive binocular disparity on the human brain. International Journal of Imaging Systems and Technology, 2014, 24, 94-102.	4.1	12
22	New phase-based B_1 mapping method using two-dimensional spin-echo imaging with hyperbolic secant pulses. Magnetic Resonance in Medicine, 2015, 73, 170-181.	3.0	12
23	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
24	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
25	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
26	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.	8.3	10
27	Fast Surface and Volume Rendering Based on Shear-Warp Factorization for a Surgical Simulator. Computer Aided Surgery, 2002, 7, 268-278.	1.8	9
28	Optimization of steady-state pulsed CEST imaging for amide proton transfer at 3T MRI. Magnetic Resonance in Medicine, 2019, 81, 3616-3627.	3.0	9
29	ETER-net: End to End MR Image Reconstruction Using Recurrent Neural Network. Lecture Notes in Computer Science, 2018, , 12-20.	1.3	8
30	A fast variable-length decoder using plane separation. IEEE Transactions on Circuits and Systems for Video Technology, 2000, 10, 806-812.	8.3	7
31	Automatic brain MR image registration based on Talairach reference system. , 0, , .		7
32	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
33	Self-gated cardiac cine imaging using phase information. Magnetic Resonance in Medicine, 2017, 77, 1216-1222.	3.0	6
34	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
35	An efficient and fast mode decision method for inter slice of H.264/AVC. , 2009, , .		4
36	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

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37	Retrospective motion gating in cardiac MRI using a simultaneously acquired navigator. NMR in Biomedicine, 2018, 31, e3874.	2.8	4
38	<scp>BUDAâ€MESMERISE</scp>: Rapid acquisition and unsupervised parameter estimation for <scp>T₁</scp>, <scp>T₂</scp>, <scp>M₀</scp>, <scp>B₀</scp>, and <scp>B₁</scp> maps. Magnetic Resonance in Medicine, 2022, 88, 292-308.	3.0	4
39	Segmentation and visualization of left ventricle in MR cardiac images. , 0, , .		3
40	An optimal RF shielding method for MRâ€PET fusion system with insertable PET. International Journal of Imaging Systems and Technology, 2014, 24, 263-269.	4.1	3
41	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
42	HEVC-based three-layer texture and depth coding for lossless synthesis in 3D video coding. Multimedia Tools and Applications, 2020, 79, 20929-20945.	3.9	3
43	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
44	A fast hierarchical algorithm of maximum intensity projection. , 0, , .		2
45	A shrinkage method for causal network detection of brain regions. International Journal of Imaging Systems and Technology, 2013, 23, 140-146.	4.1	2
46	A new metric for judder in high frame-rate video. , 2016, , .		2
47	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
48	Nonâ€contrastâ€enhanced peripheral MR angiography using velocityâ€selective excitation. Magnetic Resonance in Medicine, 2018, 79, 779-788.	3.0	2
49	A multicontrast imaging method using steadyâ€state free precession with alternating <scp>RF</scp> flip angles. Magnetic Resonance in Medicine, 2018, 80, 1341-1351.	3.0	2
50	An effective preprocessing method for fast hierarchical maximum intensity projection. , 0, , .		1
51	Pairwise Classifier Ensemble with Adaptive Sub-Classifiers for fMRI Pattern Analysis. Neuroscience Bulletin, 2017, 33, 41-52.	2.9	1
52	DRF-GRAPPA: A Parallel MRI Method with a Direct Reconstruction Filter. Journal of the Korean Physical Society, 2018, 73, 130-137.	0.7	1
53	A New No-Reference Method for Judder Artifact Assessment. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 2888-2898.	8.3	1
54	Unsupervised anomaly detection in MR images using multicontrast information. Medical Physics, 2021, 48, 7346-7359.	3.0	1

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55	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
56	Event-related Potential Study of Brain Activation during Word/Pictogram Perception by native Korean Speakers. , 0, , .		0
57	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
58	Technical Note: Interleaved bipolar acquisition and low‐rank reconstruction for water–fat separation in MRI. Medical Physics, 2018, 45, 3229-3237.	3.0	0
59	A locally segmented reconstruction method for parallel imaging. Magnetic Resonance in Medicine, 2020, 84, 1638-1647.	3.0	0