

Byung-Woo Hong

List of Publications by Year in descending order

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46
papers

680
citations

759055

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25
g-index

46
all docs

46
docs citations

46
times ranked

712
citing authors

#	ARTICLE	IF	CITATIONS
1	Integral Invariants for Shape Matching. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2006, 28, 1602-1618.	9.7	222
2	Segmentation of Regions of Interest in Mammograms in a Topographic Approach. IEEE Transactions on Information Technology in Biomedicine, 2010, 14, 129-139.	3.6	75
3	Locally Rotation, Contrast, and Scale Invariant Descriptors for Texture Analysis. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2008, 30, 52-61.	9.7	58
4	Shape Matching Using Multiscale Integral Invariants. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2015, 37, 151-160.	9.7	53
5	Multiphase segmentation using an implicit dual shape prior: Application to detection of left ventricle in cardiac MRI. Computer Vision and Image Understanding, 2013, 117, 1084-1094.	3.0	27
6	Non-Rigid Ultrasound Image Registration Based on Intensity and Local Phase Information. Journal of Signal Processing Systems, 2009, 54, 33-43.	1.4	26
7	Adaptive Weight Decay for Deep Neural Networks. IEEE Access, 2019, 7, 118857-118865.	2.6	22
8	Geometric feature-based multimodal image registration of contrast-enhanced cardiac CT with gated myocardial perfusion SPECT. Medical Physics, 2009, 36, 5467-5479.	1.6	21
9	Deep Learning Based on Fourier Convolutional Neural Network Incorporating Random Kernels. Electronics (Switzerland), 2021, 10, 2004.	1.8	17
10	Unsupervised Feature Elimination via Generative Adversarial Networks: Application to Hair Removal in Melanoma Classification. IEEE Access, 2021, 9, 42610-42620.	2.6	15
11	Learning-Rate Annealing Methods for Deep Neural Networks. Electronics (Switzerland), 2021, 10, 2029.	1.8	15
12	Multipass Active Contours for an Adaptive Contour Map. Sensors, 2013, 13, 3724-3738.	2.1	13
13	An Adaptive Framework for Learning Unsupervised Depth Completion. IEEE Robotics and Automation Letters, 2021, 6, 3120-3127.	3.3	13
14	Shape Representation based on Integral Kernels: Application to Image Matching and Segmentation. , 0, , .		11
15	Unsupervised multiphase segmentation: A recursive approach. Computer Vision and Image Understanding, 2009, 113, 502-510.	3.0	11
16	The scale of a texture and its application to segmentation. , 2008, , .		8
17	Segmentation under Occlusions Using Selective Shape Prior. SIAM Journal on Imaging Sciences, 2008, 1, 115-142.	1.3	7
18	A New Model and Simple Algorithms for Multi-label Mumford-Shah Problems. , 2013, , .		6

#	ARTICLE	IF	CITATIONS
19	Enforcing local context into shape statistics. <i>Advances in Computational Mathematics</i> , 2009, 31, 185-213.	0.8	5
20	FAST LABEL: Easy and Efficient Solution of Joint Multi-label and Estimation Problems. , 2014, , .		5
21	Tracking Using Motion Estimation With Physically Motivated Inter-Region Constraints. <i>IEEE Transactions on Medical Imaging</i> , 2014, 33, 1875-1889.	5.4	5
22	Hierarchical image segmentation via recursive superpixel with adaptive regularity. <i>Journal of Electronic Imaging</i> , 2017, 26, 061602.	0.5	5
23	Adaptive Regularization in Convex Composite Optimization for Variational Imaging Problems. <i>Lecture Notes in Computer Science</i> , 2017, , 268-280.	1.0	5
24	Segmentation of Left Ventricle in Cardiac MRI via Contrast-Invariant Deformable Template. <i>Journal of Medical Imaging and Health Informatics</i> , 2017, 7, 1682-1688.	0.2	5
25	Fast-convergence superpixel algorithm via an approximate optimization. <i>Journal of Electronic Imaging</i> , 2016, 25, 053035.	0.5	4
26	Block-cyclic stochastic coordinate descent for deep neural networks. <i>Neural Networks</i> , 2021, 139, 348-357.	3.3	4
27	Curve evolution with a dual shape similarity and its application to segmentation of left ventricle. <i>Proceedings of SPIE</i> , 2009, , .	0.8	3
28	Adaptive Regularization of Some Inverse Problems in Image Analysis. <i>IEEE Transactions on Image Processing</i> , 2020, 29, 2507-2521.	6.0	3
29	Multimodal Data Integration for Computer-Aided Ablation of Atrial Fibrillation. <i>Journal of Biomedicine and Biotechnology</i> , 2008, 2008, 1-8.	3.0	2
30	Automated multi-modality registration of 64-slice coronary CT angiography with myocardial perfusion spect. , 2009, , 358-361.		2
31	Nonlinear registration of serial coronary CT angiography (CCTA) for assessment of changes in atherosclerotic plaque. <i>Medical Physics</i> , 2010, 37, 885-896.	1.6	2
32	Entropy-Scale Profiles for Texture Segmentation. <i>Lecture Notes in Computer Science</i> , 2012, , 243-254.	1.0	2
33	Joint Reconstruction and Registration Using Level Sets: Application to the Computer-Aided Ablation of Atrial Fibrillation. , 2007, , .		1
34	Joint estimation of shape and deformation for the detection of lesions in dynamic contrast-enhanced breast MRI. <i>Physics in Medicine and Biology</i> , 2013, 58, 7757-7775.	1.6	1
35	A Multilabel Texture Segmentation Based on Local Entropy Signature. <i>Mathematical Problems in Engineering</i> , 2013, 2013, 1-6.	0.6	1
36	An Intrinsic Image Representation and Its Application to Left Ventricle Segmentation in Cardiac MRI Images. <i>Journal of Medical Imaging and Health Informatics</i> , 2014, 4, 612-620.	0.2	1

#	ARTICLE	IF	CITATIONS
37	Adaptive Regularization via Residual Smoothing in Deep Learning Optimization. IEEE Access, 2019, 7, 122889-122899.	2.6	1
38	Unsupervised Object Segmentation Based on Bi-Partitioning Image Model Integrated with Classification. Electronics (Switzerland), 2021, 10, 2296.	1.8	1
39	Segmentation Neural Network Incorporating Scale-Space in the Application of Cardiac MRI. Journal of Medical Imaging and Health Informatics, 2020, 10, 1494-1505.	0.2	1
40	Regularization in Network Optimization via Trimmed Stochastic Gradient Descent With Noisy Label. IEEE Access, 2022, 10, 34706-34715.	2.6	1
41	Feature-based non-rigid volume registration of serial coronary CT angiography. , 2009, , .		0
42	Coherence Enhancement Based on Recursive Anisotropic Scale-Space with Adaptive Kernels. Applied Sciences (Switzerland), 2020, 10, 5079.	1.3	0
43	A Rotational Invariant Non-local Mean. Lecture Notes in Computer Science, 2015, , 371-380.	1.0	0
44	Segmentation of Left Ventricle in Cardiac Magnetic Resonance Imaging via Region-Dependent Motion Estimation. Journal of Medical Imaging and Health Informatics, 2016, 6, 1186-1192.	0.2	0
45	Anisotropic Diffusion with Deep Learning. Frontiers in Artificial Intelligence and Applications, 2020, , .	0.3	0
46	Control the Information of the Image with Anisotropic Diffusion and Isotropic Diffusion for the Image Classification. Frontiers in Artificial Intelligence and Applications, 2021, , .	0.3	0