

Nae-Soo Kim

List of Publications by Year in descending order

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84
papers

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759233

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times ranked

2910
citing authors

#	ARTICLE	IF	CITATIONS
1	Extending Contrastive Learning to Unsupervised Coreset Selection. IEEE Access, 2022, 10, 7704-7715.	4.2	4
2	Projection-Based Point Convolution for Efficient Point Cloud Segmentation. IEEE Access, 2022, 10, 15348-15358.	4.2	3
3	Extending Contrastive Learning to Unsupervised Redundancy Identification. Applied Sciences (Switzerland), 2022, 12, 2201.	2.5	0
4	Unsupervised Blur Kernel Estimation and Correction for Blind Super-Resolution. IEEE Access, 2022, 10, 45179-45189.	4.2	1
5	De-biasing Neural Networks with Estimated Offset for Class Imbalanced Learning. , 2021, , .		0
6	Differentiable Architecture Search Based on Coordinate Descent. IEEE Access, 2021, 9, 48544-48554.	4.2	2
7	Occlusion Handling by Successively Excluding Foregrounds for Light Field Depth Estimation Based on Foreground-Background Separation. IEEE Access, 2021, 9, 103927-103936.	4.2	2
8	Classification of focal liver lesions in CT images using convolutional neural networks with lesion information augmented patches and synthetic data augmentation. Medical Physics, 2021, 48, 5029-5046.	3.0	13
9	Slimming ResNet by Slimming Shortcut. , 2021, , .		0
10	Cut-and-Paste Dataset Generation for Balancing Domain Gaps in Object Instance Detection. IEEE Access, 2021, 9, 14319-14329.	4.2	3
11	SAR Image Generation of Ground Targets for Automatic Target Recognition Using Indirect Information. IEEE Access, 2021, 9, 27003-27014.	4.2	5
12	Target-style-aware Unsupervised Domain Adaptation for Object Detection. IEEE Robotics and Automation Letters, 2021, , 1-1.	5.1	0
13	Delivering Meaningful Representation for Monocular Depth Estimation. , 2021, , .		0
14	Automatic Recognition of Children Engagement from Facial Video Using Convolutional Neural Networks. IEEE Transactions on Affective Computing, 2020, 11, 696-707.	8.3	30
15	Deep Architecture With Cross Guidance Between Single Image and Sparse LiDAR Data for Depth Completion. IEEE Access, 2020, 8, 79801-79810.	4.2	29
16	Single Image Super-Resolution via Similarity Between Spatially Scattered Features. IEEE Access, 2020, 8, 137672-137682.	4.2	2
17	Leveraging Contextual Information for Monocular Depth Estimation. IEEE Access, 2020, 8, 147808-147817.	4.2	8
18	TiVGAN: Text to Image to Video Generation With Step-by-Step Evolutionary Generator. IEEE Access, 2020, 8, 153113-153122.	4.2	30

#	ARTICLE	IF	CITATIONS
19	Continual Learning With Extended Kronecker-Factored Approximate Curvature. , 2020, , .		13
20	Joint Learning of Generative Translator and Classifier for Visually Similar Classes. IEEE Access, 2020, 8, 219160-219173.	4.2	3
21	Adjusting Decision Boundary for Class Imbalanced Learning. IEEE Access, 2020, 8, 81674-81685.	4.2	23
22	Densely Distilled Flow-Based Knowledge Transfer in Teacher-Student Framework for Image Classification. IEEE Transactions on Image Processing, 2020, 29, 5698-5710.	9.8	18
23	Integrating Multiple Receptive Fields through Grouped Active Convolution. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2020, 43, 1-1.	13.9	0
24	RRNet: Repetition-Reduction Network for Energy Efficient Depth Estimation. IEEE Access, 2020, 8, 106097-106108.	4.2	3
25	PBP-Net: Point Projection and Back-Projection Network for 3D Point Cloud Segmentation. , 2020, , .		7
26	Multi-Task Learning Using Task Dependencies for Face Attributes Prediction. Applied Sciences (Switzerland), 2019, 9, 2535.	2.5	1
27	The method for hierarchical context awareness based on activity recognition. , 2019, , .		0
28	Randomized Voting-Based Rigid-Body Motion Segmentation. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 698-713.	8.3	1
29	Refining background subtraction using consistent motion detection in adverse weather. Journal of Electronic Imaging, 2019, 28, 1.	0.9	2
30	Deep feature classification of angiomyolipoma without visible fat and renal cell carcinoma in abdominal contrast-enhanced CT images with texture image patches and hand-crafted feature concatenation. Medical Physics, 2018, 45, 1550-1561.	3.0	60
31	ELD-Net: An Efficient Deep Learning Architecture for Accurate Saliency Detection. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2018, 40, 1599-1610.	13.9	40
32	The method of providing IoE-based hierarchical context awareness. , 2018, , .		0
33	Incremental Learning in Deep Convolutional Neural Network VIA Adaptive Regularization. , 2018, , .		1
34	Generating a Fusion Image: One's Identity and Another's Shape. , 2018, , .		30
35	Improving Video Captioning with Non-Local Neural Networks. , 2018, , .		3
36	Sequential Knowledge Transfer in Teacher-Student Framework Using Densely Distilled Flow-Based Information. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
37	Deep-Learning-Based Pipe Leak Detection Using Image-Based Leak Features. , 2018, , .		9
38	Unified Simultaneous Clustering and Feature Selection for Unlabeled and Labeled Data. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 6083-6098.	11.3	14
39	Computationally Efficient Automatic Coast Mode Target Tracking Based on Occlusion Awareness in Infrared Images. Sensors, 2018, 18, 996.	3.8	1
40	Deep Facial Age Estimation Using Conditional Multitask Learning With Weak Label Expansion. IEEE Signal Processing Letters, 2018, 25, 808-812.	3.6	34
41	BCD-NET: A novel method for cartilage segmentation of knee MRI via deep segmentation networks with bone-cartilage-complex modeling. , 2018, , .		11
42	Tunnel Effect in CNNs: Image Reconstruction From Max Switch Locations. IEEE Signal Processing Letters, 2017, 24, 254-258.	3.6	2
43	Uncorrelated Component Analysis-Based Hashing. IEEE Transactions on Image Processing, 2017, 26, 3759-3774.	9.8	1
44	Detection and segmentation of small renal masses in contrast-enhanced CT images using texture and context feature classification. , 2017, , .		10
45	Cost-efficient 3D face reconstruction from a single 2D image. , 2017, , .		2
46	Differentiation of fat-poor angiomyolipoma from clear cell renal cell carcinoma in contrast-enhanced MDCT images using quantitative feature classification. Medical Physics, 2017, 44, 3604-3614.	3.0	51
47	A Design of Continuous Learning System Based on Knowledge Augmentation. , 2017, , .		0
48	Trusted cross-domain metadata model for context aware services. , 2017, , .		2
49	3D face recognition via discriminative keypoint selection. , 2017, , .		1
50	Active Convolution: Learning the Shape of Convolution for Image Classification. , 2017, , .		118
51	Deep Pyramidal Residual Networks. , 2017, , .		326
52	A Gift from Knowledge Distillation: Fast Optimization, Network Minimization and Transfer Learning. , 2017, , .		794
53	Refine pedestrian detections by referring to features in different ways. , 2017, , .		0
54	Superior prognosis prediction performance of deep learning for gastric cancer compared to Yonsei prognosis prediction model using Cox regression.. Journal of Clinical Oncology, 2017, 35, 164-164.	1.6	8

#	ARTICLE	IF	CITATIONS
55	The method of providing dynamic IP management function in a gateway for IoE. , 2016, , .		1
56	Seed growing for interactive image segmentation with geodesic voting. , 2016, , .		5
57	Deep Saliency with Encoded Low Level Distance Map and High Level Features. , 2016, , .		303
58	Network Operation and Management System for Low-Power Wireless Sensor Network. , 2016, , .		0
59	Plankton classification on imbalanced large scale database via convolutional neural networks with transfer learning. , 2016, , .		102
60	Cross-domain metadata environment for relative information-based service. , 2016, , .		3
61	Real-time personalized facial expression recognition system based on deep learning. , 2016, , .		12
62	Development of deep learning-based facial expression recognition system. , 2015, , .		40
63	A new control owner switching system for multiple TV viewers via face recognition. , 2015, , .		0
64	Joint Fine-Tuning in Deep Neural Networks for Facial Expression Recognition. , 2015, , .		487
65	Rotating your face using multi-task deep neural network. , 2015, , .		44
66	Study on IoT based wild vegetation community ecological monitoring system. , 2015, , .		5
67	Entropy Minimization for Groupwise Planar Shape Co-alignment and its Applications. IEEE Signal Processing Letters, 2015, 22, 1922-1926.	3.6	0
68	Randomized decision bush: Combining global shape parameters and local scalable descriptors for human body parts recognition. , 2014, , .		0
69	Face recognition using average example image. Electronics Letters, 2014, 50, 1921-1923.	1.0	1
70	Salient Region Detection via High-Dimensional Color Transform. , 2014, , .		203
71	Segmentation of anterior cruciate ligament in knee MR images using graph cuts with patient-specific shape constraints and label refinement. Computers in Biology and Medicine, 2014, 55, 1-10.	7.0	12
72	A novel method for salient object detection via compactness measurement. , 2013, , .		2

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73	High-definition video-based multi-channel top-view vehicle surrounding monitoring system for mobile navigation devices. , 2013, , .		0
74	Speaker dependent visual speech recognition using Extended Curvature Gabor filters. , 2013, , .		0
75	Achievable Rates of Multi-Antenna Downlink Channels with Peak Power Constraints. IEEE Transactions on Communications, 2012, 60, 2199-2207.	7.8	1
76	A New Approach to Low-Power and Low-Latency Wake-Up Receiver System for Wireless Sensor Nodes. IEEE Journal of Solid-State Circuits, 2012, 47, 2405-2419.	5.4	41
77	Block Poisson Method and its application to large scale image editing. , 2012, , .		3
78	A low-power CMOS dual-band RF receiver for IEEE 802.15.4-based sensor node applications. Microwave and Optical Technology Letters, 2010, 52, 163-166.	1.4	3
79	Data traffic based route selection for real-time data delivery in wireless sensor networks. , 2010, , .		2
80	Rate Enhancement for the Gaussian Z-Interference Channel with Transmitter Cooperation. IEEE Communications Letters, 2010, 14, 821-823.	4.1	3
81	A Low-Power RF Direct-Conversion Receiver/Transmitter for 2.4-GHz-Band IEEE 802.15.4 Standard in 0.18- μm CMOS Technology. IEEE Transactions on Microwave Theory and Techniques, 2006, 54, 4062-4071.	4.6	89
82	Experiments and analysis of the standard TCP mechanisms using ATM based satellite network. , 0, , .		0
83	Performance analysis of channel impairment in high data rate satellite communication service. , 0, , .		2
84	Turbo-coded pragmatic trellis coded modulation using coset mapping. , 0, , .		0