

Hitoshi Kiya

List of Publications by Year in descending order

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Version: 2024-02-01

70
papers

907
citations

687363

13
h-index

580821

25
g-index

72
all docs

72
docs citations

72
times ranked

255
citing authors

#	ARTICLE	IF	CITATIONS
1	Encryption-Then-Compression Systems Using Grayscale-Based Image Encryption for JPEG Images. IEEE Transactions on Information Forensics and Security, 2019, 14, 1515-1525.	6.9	155
2	Privacy-Preserving Deep Neural Networks with Pixel-Based Image Encryption Considering Data Augmentation in the Encrypted Domain. , 2019, , .		61
3	Pixel-Based Image Encryption Without Key Management for Privacy-Preserving Deep Neural Networks. IEEE Access, 2019, 7, 177844-177855.	4.2	56
4	An Encryption-then-Compression System for Lossless Image Compression Standards. IEICE Transactions on Information and Systems, 2017, E100.D, 52-56.	0.7	54
5	Scene Segmentation-Based Luminance Adjustment for Multi-Exposure Image Fusion. IEEE Transactions on Image Processing, 2019, 28, 4101-4116.	9.8	47
6	Grayscale-based block scrambling image encryption using YCbCr color space for encryption-then-compression systems. APSIPA Transactions on Signal and Information Processing, 2019, 8, .	3.3	43
7	Block-Wise Image Transformation With Secret Key for Adversarially Robust Defense. IEEE Transactions on Information Forensics and Security, 2021, 16, 2709-2723.	6.9	37
8	A GAN-Based Image Transformation Scheme for Privacy-Preserving Deep Neural Networks. , 2021, , .		31
9	An integer tone mapping operation for hdr images expressed in floating point data. , 2013, , .		22
10	Privacy-Preserving Content-Based Image Retrieval Using Compressible Encrypted Images. IEEE Access, 2020, 8, 200038-200050.	4.2	22
11	Image to Perturbation: An Image Transformation Network for Generating Visually Protected Images for Privacy-Preserving Deep Neural Networks. IEEE Access, 2021, 9, 64629-64638.	4.2	22
12	Hue-Correction Scheme Based on Constant-Hue Plane for Deep-Learning-Based Color-Image Enhancement. IEEE Access, 2020, 8, 9540-9550.	4.2	20
13	An integer tone mapping operation for HDR images in OpenEXR with denormalized numbers. , 2014, , .		19
14	iTM-Net: Deep Inverse Tone Mapping Using Novel Loss Function Considering Tone Mapping Operator. IEEE Access, 2019, 7, 73555-73563.	4.2	18
15	A Privacy-Preserving Machine Learning Scheme Using EtC Images. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2020, E103.A, 1571-1578.	0.3	16
16	One-Time Key Based Phase Scrambling for Phase-Only Correlation between Visually Protected Images. Eurasip Journal on Information Security, 2009, 2009, 841045.	2.2	15
17	Privacy-Preserving Support Vector Machine Computing Using Random Unitary Transformation. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2019, E102.A, 1849-1855.	0.3	15
18	A Fixed-Point Global Tone Mapping Operation for HDR Images in the RGBE Format. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2014, E97.A, 2147-2153.	0.3	13

#	ARTICLE	IF	CITATIONS
19	Automatic Exposure Compensation for Multi-Exposure Image Fusion. , 2018, , .		13
20	Adversarial Robustness by One Bit Double Quantization for Visual Classification. IEEE Access, 2019, 7, 177932-177943.	4.2	13
21	Convolutional Neural Networks Considering Local and Global Features for Image Enhancement. , 2019, , .		12
22	Pseudo multi-exposure fusion using a single image. , 2017, , .		11
23	Multi-Exposure Image Fusion Based on Exposure Compensation. , 2018, , .		11
24	An Remapping Operation without Tone Mapping Parameters for HDR Images. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2016, E99.A, 1955-1961.	0.3	10
25	On the Security of Pixel-Based Image Encryption for Privacy-Preserving Deep Neural Networks. , 2019, , .		10
26	Encryption Inspired Adversarial Defense For Visual Classification. , 2020, , .		10
27	A protection method of trained CNN model with a secret key from unauthorized access. APSIPA Transactions on Signal and Information Processing, 2021, 10, .	3.3	9
28	Privacy-Preserving Deep Neural Networks Using Pixel-Based Image Encryption Without Common Security Keys. , 2019, , .		8
29	Adversarial Test on Learnable Image Encryption. , 2019, , .		8
30	Hue-correction scheme considering CIEDE2000 for color-image enhancement including deep-learning-based algorithms. APSIPA Transactions on Signal and Information Processing, 2020, 9, .	3.3	8
31	A Detection Method of Operated Fake-Images Using Robust Hashing. Journal of Imaging, 2021, 7, 134.	3.0	8
32	Fast Inverse Tone Mapping Based on Reinhard's Global Operator with Estimated Parameters. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2017, E100.A, 2248-2255.	0.3	8
33	An Image Identification Scheme Of Encrypted Jpeg Images For Privacy-Preserving Photo Sharing Services. , 2019, , .		7
34	Secure OMP Computation Maintaining Sparse Representations and Its Application to EtC Systems. IEICE Transactions on Information and Systems, 2020, E103.D, 1988-1997.	0.7	7
35	Distributed Secure Sparse Modeling Based on Random Unitary Transform. IEEE Access, 2020, 8, 211762-211772.	4.2	6
36	Fake-image detection with Robust Hashing. , 2021, , .		6

#	ARTICLE	IF	CITATIONS
37	Image Transformation Network for Privacy-Preserving Deep Neural Networks and Its Security Evaluation. , 2020, , .		6
38	Image-Enhancement-Based Data Augmentation for Improving Deep Learning in Image Classification Problem. , 2020, , .		5
39	Ensemble of Key-Based Models: Defense Against Black-Box Adversarial Attacks. , 2021, , .		5
40	Multi-color balancing for correctly adjusting the intensity of target colors. , 2021, , .		4
41	Deep Retinex Network for Estimating Illumination Colors with Self-Supervised Learning. , 2021, , .		4
42	Piracy-Resistant DNN Watermarking by Block-Wise Image Transformation with Secret Key. , 2021, , .		4
43	A Content-based Image Retrieval Scheme Using Compressible Encrypted Images. , 2021, , .		4
44	Training DNN Model with Secret Key for Model Protection. , 2020, , .		4
45	Three-Color Balancing for Color Constancy Correction. Journal of Imaging, 2021, 7, 207.	3.0	4
46	A Pseudo Multi-Exposure Fusion Method Using Single Image. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2018, E101.A, 1806-1814.	0.3	4
47	Privacy-preserving Image Retrieval Scheme Allowing Mixed Use of Lossless and JPEG Compressed Images. , 2021, , .		3
48	Multi-Color Balance For Color Constancy. , 2021, , .		3
49	A Scheme of Reversible Data Hiding for the Encryption-Then-Compression System. IEICE Transactions on Information and Systems, 2021, E104.D, 43-50.	0.7	3
50	A Reversible Data Hiding Method in Encrypted Images for Controlling Trade-Off between Hiding Capacity and Compression Efficiency. Journal of Imaging, 2021, 7, 268.	3.0	3
51	A Color Compensation Method Using Inverse Camera Response Function for Multi-exposure Image Fusion. , 2019, , .		2
52	Transfer Learning-Based Model Protection With Secret Key. , 2021, , .		2
53	Two-Layer Near-Lossless HDR Coding Using Zero-Skip Quantization with Backward Compatibility to JPEG. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2019, E102.A, 1842-1848.	0.3	2
54	Hue-Correction Scheme Considering Non-Linear Camera Response for Multi-Exposure Image Fusion. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2020, E103.A, 1562-1570.	0.3	2

#	ARTICLE	IF	CITATIONS
55	Block Scrambling Image Encryption Used in Combination with Data Augmentation for Privacy-Preserving DNNs. , 2021, , .		2
56	Security Evaluation of Block-based Image Encryption for Vision Transformer against Jigsaw Puzzle Solver Attack. , 2022, , .		2
57	Noise bias compensation for tone mapped noisy image using prior knowledge. APSIPA Transactions on Signal and Information Processing, 2019, 8, .	3.3	1
58	Image Identification of Grayscale-Based JPEG Images for Privacy-Preserving Photo Sharing Services. , 2019, , .		1
59	Secure Sparse Representations in L0 Norm Minimization and Its Application to EtC Systems. , 2019, , .		1
60	iTM-Net: Deep Inverse Tone Mapping Using Novel Loss Function Based on Tone Mapping Operator. , 2019, , .		1
61	Separated-Spectral-Distribution Estimation Based on Bayesian Inference with Single RGB Camera. , 2021, , .		1
62	An Image Fusion Scheme for Single-Shot High Dynamic Range Imaging with Spatially Varying Exposures. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2019, E102.A, 1856-1864.	0.3	1
63	A Privacy-Preserving Image Retrieval Scheme with a Mixture of Plain and EtC Images. , 2022, , .		1
64	Access Control of Object Detection Models Using Encrypted Feature Maps. , 2022, , .		1
65	Single-Shot High Dynamic Range Imaging with Spatially Varying Exposures Considering Hue Distortion. , 2019, , .		0
66	L0 Norm Optimization in Scrambled Sparse Representation Domain and Its Application to EtC System. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2020, E103.A, 1589-1598.	0.3	0
67	Hue Correction Scheme for Multi-Exposure Image Fusion Considering Hue Distortion in Input Images. , 2020, , .		0
68	On the influence of using quantized images on machine learning algorithms. , 2020, , .		0
69	Difficulty in estimating visual information from randomly sampled images. , 2020, , .		0
70	Adversarial Detector with Robust Classifier. , 2022, , .		0