

Jeust Ven De Weejer

List of Publications by Year in descending order

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Version: 2024-02-01

104
papers

8,490
citations

136740

32
h-index

133063

59
g-index

129
all docs

129
docs citations

129
times ranked

5441
citing authors

#	ARTICLE	IF	CITATIONS
1	Adaptive Color Attributes for Real-Time Visual Tracking. , 2014, , .		1,080
2	Edge-Based Color Constancy. IEEE Transactions on Image Processing, 2007, 16, 2207-2214.	6.0	681
3	Learning Color Names for Real-World Applications. IEEE Transactions on Image Processing, 2009, 18, 1512-1523.	6.0	564
4	Computational Color Constancy: Survey and Experiments. IEEE Transactions on Image Processing, 2011, 20, 2475-2489.	6.0	442
5	Fast anisotropic gauss filtering. IEEE Transactions on Image Processing, 2003, 12, 938-943.	6.0	255
6	Coloring Local Feature Extraction. Lecture Notes in Computer Science, 2006, , 334-348.	1.0	240
7	RankIQ: Learning from Rankings for No-Reference Image Quality Assessment. , 2017, , .		239
8	Boosting color saliency in image feature detection. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2006, 28, 150-156.	9.7	237
9	Binary patterns encoded convolutional neural networks for texture recognition and remote sensing scene classification. ISPRS Journal of Photogrammetry and Remote Sensing, 2018, 138, 74-85.	4.9	208
10	Leveraging Unlabeled Data for Crowd Counting by Learning to Rank. , 2018, , .		178
11	Generalized Gamut Mapping using Image Derivative Structures for Color Constancy. International Journal of Computer Vision, 2010, 86, 127-139.	10.9	171
12	The Sixth Visual Object Tracking VOT2018 Challenge Results. Lecture Notes in Computer Science, 2019, , 3-53.	1.0	152
13	Improving Color Constancy by Photometric Edge Weighting. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2012, 34, 918-929.	9.7	151
14	Harmony Potentials. International Journal of Computer Vision, 2012, 96, 83-102.	10.9	139
15	The Visual Object Tracking VOT2014 Challenge Results. Lecture Notes in Computer Science, 2015, , 191-217.	1.0	136
16	Edge and corner detection by photometric quasi-invariants. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2005, 27, 625-630.	9.7	131
17	Accurate Stereo Matching by Two-Step Energy Minimization. IEEE Transactions on Image Processing, 2015, 24, 1153-1163.	6.0	129
18	Learning Color Names from Real-World Images. , 2007, , .		123

#	ARTICLE	IF	CITATIONS
19	Exploiting Unlabeled Data in CNNs by Self-Supervised Learning to Rank. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2019, 41, 1862-1878.	9.7	121
20	Semantic Drift Compensation for Class-Incremental Learning. , 2020, , .		121
21	Color attributes for object detection. , 2012, , .		113
22	Modulating Shape Features by Color Attention for Object Recognition. International Journal of Computer Vision, 2012, 98, 49-64.	10.9	113
23	Painting-91: a large scale database for computational painting categorization. Machine Vision and Applications, 2014, 25, 1385-1397.	1.7	108
24	Harmony potentials for joint classification and segmentation. , 2010, , .		107
25	Synthetic Data Generation for End-to-End Thermal Infrared Tracking. IEEE Transactions on Image Processing, 2019, 28, 1837-1850.	6.0	104
26	Rotate your Networks: Better Weight Consolidation and Less Catastrophic Forgetting. , 2018, , .		102
27	Coloring Action Recognition in Still Images. International Journal of Computer Vision, 2013, 105, 205-221.	10.9	101
28	Recognizing Actions Through Action-Specific Person Detection. IEEE Transactions on Image Processing, 2015, 24, 4422-4432.	6.0	99
29	Generalized Source-free Domain Adaptation. , 2021, , .		93
30	Transferring GANs: Generating Images from Limited Data. Lecture Notes in Computer Science, 2018, , 220-236.	1.0	91
31	Discriminative Color Descriptors. , 2013, , .		89
32	MineGAN: Effective Knowledge Transfer From GANs to Target Domains With Few Images. , 2020, , .		85
33	Using High-Level Visual Information for Color Constancy. , 2007, , .		83
34	Multi-Modal Fusion for End-to-End RGB-T Tracking. , 2019, , .		77
35	Robust photometric invariant features from the color tensor. IEEE Transactions on Image Processing, 2006, 15, 118-127.	6.0	73
36	Learning Metrics From Teachers: Compact Networks for Image Embedding. , 2019, , .		67

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37	Variable Rate Deep Image Compression With Modulated Autoencoder. IEEE Signal Processing Letters, 2020, 27, 331-335.	2.1	63
38	Multi-Illuminant Estimation With Conditional Random Fields. IEEE Transactions on Image Processing, 2014, 23, 83-96.	6.0	61
39	Semantic Pyramids for Gender and Action Recognition. IEEE Transactions on Image Processing, 2014, 23, 3633-3645.	6.0	58
40	NTIRE 2018 Challenge on Spectral Reconstruction from RGB Images. , 2018, , .		58
41	Adversarial Networks for Spatial Context-Aware Spectral Image Reconstruction from RGB. , 2017, , .		55
42	Generative Feature Replay For Class-Incremental Learning. , 2020, , .		52
43	Applying Color Names to Image Description. , 2007, , .		49
44	Discriminative compact pyramids for object and scene recognition. Pattern Recognition, 2012, 45, 1627-1636.	5.1	46
45	Compact colorâ€“texture description for texture classification. Pattern Recognition Letters, 2015, 51, 16-22.	2.6	45
46	Curvature estimation in oriented patterns using curvilinear models applied to gradient vector fields. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2001, 23, 1035-1042.	9.7	43
47	Review on computer vision techniques in emergency situations. Multimedia Tools and Applications, 2018, 77, 17069-17107.	2.6	43
48	Top-down color attention for object recognition. , 2009, , .		42
49	Saliency for fine-grained object recognition in domains with scarce training data. Pattern Recognition, 2019, 94, 62-73.	5.1	42
50	From Emotions to Action Units with Hidden and Semi-Hidden-Task Learning. , 2015, , .		39
51	Global Color Sparseness and a Local Statistics Prior for Fast Bilateral Filtering. IEEE Transactions on Image Processing, 2015, 24, 5842-5853.	6.0	35
52	Object recoloring based on intrinsic image estimation. , 2011, , .		33
53	An Active Contour Model for Speech Balloon Detection in Comics. , 2013, , .		32
54	Domain-Adaptive Deep Network Compression. , 2017, , .		32

#	ARTICLE	IF	CITATIONS
55	Describing Reflectances for Color Segmentation Robust to Shadows, Highlights, and Textures. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2011, 33, 917-930.	9.7	31
56	Semi-Supervised Learning for Few-Shot Image-to-Image Translation. , 2020, , .		31
57	The Impact of Color on Bag-of-Words Based Object Recognition. , 2010, , .		30
58	Saliency of color image derivatives: a comparison between computational models and human perception. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2010, 27, 613.	0.8	26
59	SDIT. , 2019, , .		26
60	Least Squares and Robust Estimation of Local Image Structure. International Journal of Computer Vision, 2005, 64, 143-155.	10.9	25
61	Scale coding bag of deep features for human attribute and action recognition. Machine Vision and Applications, 2018, 29, 55-71.	1.7	25
62	Mix and Match Networks: Encoder-Decoder Alignment for Zero-Pair Image Translation. , 2018, , .		21
63	Reducing Label Effort: Self-Supervised meets Active Learning. , 2021, , .		21
64	Physics-based edge evaluation for improved color constancy. , 2009, , .		20
65	Improved Recursive Geodesic Distance Computation for Edge Preserving Filter. IEEE Transactions on Image Processing, 2017, 26, 3696-3706.	6.0	18
66	Beyond Eleven Color Names for Image Understanding. Machine Vision and Applications, 2018, 29, 361-373.	1.7	18
67	Blur Robust and Color Constant Image Description. , 2006, , .		17
68	Unrolling Loopy Top-Down Semantic Feedback in Convolutional Deep Networks. , 2014, , .		16
69	One-View Occlusion Detection for Stereo Matching With a Fully Connected CRF Model. IEEE Transactions on Image Processing, 2019, 28, 2936-2947.	6.0	16
70	Orderless Recurrent Models for Multi-Label Classification. , 2020, , .		15
71	Self-Training for Class-Incremental Semantic Segmentation. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 9116-9127.	7.2	15
72	Combining Holistic and Part-based Deep Representations for Computational Painting Categorization. , 2016, , .		13

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73	An Overview of Color Name Applications in Computer Vision. Lecture Notes in Computer Science, 2015, , 16-22.	1.0	11
74	Context proposals for saliency detection. Computer Vision and Image Understanding, 2018, 174, 1-11.	3.0	10
75	Scale Coding Bag-of-Words for Action Recognition. , 2014, , .		9
76	Learning Illuminant Estimation from Object Recognition. , 2018, , .		9
77	Fusing Color and Shape for Bag-of-Words Based Object Recognition. Lecture Notes in Computer Science, 2013, , 25-34.	1.0	9
78	Deep spectral reflectance and illuminant estimation from self-interreflections. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2019, 36, 105.	0.8	9
79	Deep Semantic Pyramids for Human Attributes and Action Recognition. Lecture Notes in Computer Science, 2015, , 341-353.	1.0	6
80	Weakly Supervised Domain-Specific Color Naming Based on Attention. , 2018, , .		6
81	Self-supervised blur detection from synthetically blurred scenes. Image and Vision Computing, 2019, 92, 103804.	2.7	6
82	Recognizing New Classes with Synthetic Data in the Loop: Application to Traffic Sign Recognition. Sensors, 2020, 20, 583.	2.1	6
83	Continual learning in cross-modal retrieval. , 2021, , .		6
84	Corner Detectors for Affine Invariant Salient Regions: Is Color Important?. Lecture Notes in Computer Science, 2006, , 61-71.	1.0	6
85	Saliency for free: Saliency prediction as a side-effect of object recognition. Pattern Recognition Letters, 2021, 150, 1-7.	2.6	5
86	Evaluating the Impact of Color on Texture Recognition. Lecture Notes in Computer Science, 2013, , 154-162.	1.0	5
87	Distributed Learning and Inference With Compressed Images. IEEE Transactions on Image Processing, 2021, 30, 3069-3083.	6.0	4
88	Learning to Rank for Active Learning: A Listwise Approach. , 2021, , .		4
89	Articulated-Body Tracking Through Anisotropic Edge Detection. Lecture Notes in Computer Science, 2007, , 86-99.	1.0	3
90	Color Naming. , 2012, , 287-317.		3

#	ARTICLE	IF	CITATIONS
91	Hierarchical part detection with deep neural networks. , 2016, , .		3
92	TEX-Nets. , 2017, , .		3
93	On Implicit Attribute Localization for Generalized Zero-Shot Learning. IEEE Signal Processing Letters, 2021, 28, 872-876.	2.1	3
94	Object proposals for salient object segmentation in videos. Multimedia Tools and Applications, 2020, 79, 8677-8693.	2.6	2
95	Mix and Match Networks: Cross-Modal Alignment for Zero-Pair Image-to-Image Translation. International Journal of Computer Vision, 2020, 128, 2849-2872.	10.9	2
96	Improved Discrete Optical Flow Estimation With Triple Image Matching Cost. IEEE Access, 2020, 8, 17093-17102.	2.6	2
97	Controlling biases and diversity in diverse image-to-image translation. Computer Vision and Image Understanding, 2021, 202, 103082.	3.0	2
98	Physics-based edge evaluation for improved color constancy. , 2009, , .		2
99	Towards multispectral data acquisition with hand-held devices. , 2013, , .		1
100	Bandwidth Limited Object Recognition in High Resolution Imagery. , 2017, , .		1
101	Sparse Data Interpolation Using the Geodesic Distance Affinity Space. IEEE Signal Processing Letters, 2019, 26, 943-947.	2.1	1
102	Special Section Guest Editorial:Color in Texture and Material Recognition. Journal of Electronic Imaging, 2016, 25, 061401.	0.5	0
103	Saliency from High-Level Semantic Image Features. SN Computer Science, 2020, 1, 1.	2.3	0
104	Top-Down Deep Appearance Attention for Action Recognition. Lecture Notes in Computer Science, 2017, , 297-309.	1.0	0