Jeust Ven De Weejer

List of Publications by Year
in descending order

104 papers	8,490 citations	136950 32 h-index	133252 59 g-index
129 all docs	129 docs citations	129 times ranked	5441 citing authors

#	Article	IF	Citations
1	Self-Training for Class-Incremental Semantic Segmentation. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 9116-9127.	11.3	15
2	Controlling biases and diversity in diverse image-to-image translation. Computer Vision and Image Understanding, 2021, 202, 103082.	4.7	2
3	Distributed Learning and Inference With Compressed Images. IEEE Transactions on Image Processing, 2021, 30, 3069-3083.	9.8	4
4	On Implicit Attribute Localization for Generalized Zero-Shot Learning. IEEE Signal Processing Letters, 2021, 28, 872-876.	3.6	3
5	Learning to Rank for Active Learning: A Listwise Approach. , 2021, , .		4
6	Continual learning in cross-modal retrieval. , 2021, , .		6
7	Saliency for free: Saliency prediction as a side-effect of object recognition. Pattern Recognition Letters, 2021, 150, 1-7.	4.2	5
8	Reducing Label Effort: Self-Supervised meets Active Learning. , 2021, , .		21
9	Generalized Source-free Domain Adaptation. , 2021, , .		93
10	Object proposals for salient object segmentation in videos. Multimedia Tools and Applications, 2020, 79, 8677-8693.	3.9	2
11	Generative Feature Replay For Class-Incremental Learning. , 2020, , .		52
12	Semi-Supervised Learning for Few-Shot Image-to-Image Translation. , 2020, , .		31
13	Orderless Recurrent Models for Multi-Label Classification. , 2020, , .		15
14	Semantic Drift Compensation for Class-Incremental Learning. , 2020, , .		121
15	MineGAN: Effective Knowledge Transfer From GANs to Target Domains With Few Images. , 2020, , .		85
16	Mix and Match Networks: Cross-Modal Alignment for Zero-Pair Image-to-Image Translation. International Journal of Computer Vision, 2020, 128, 2849-2872.	15.6	2
17	Saliency from High-Level Semantic Image Features. SN Computer Science, 2020, 1, 1.	3.6	0
18	Recognizing New Classes with Synthetic Data in the Loop: Application to Traffic Sign Recognition. Sensors, 2020, 20, 583.	3.8	6

#	Article	IF	Citations
19	Improved Discrete Optical Flow Estimation With Triple Image Matching Cost. IEEE Access, 2020, 8, 17093-17102.	4.2	2
20	Variable Rate Deep Image Compression With Modulated Autoencoder. IEEE Signal Processing Letters, 2020, 27, 331-335.	3.6	63
21	Sparse Data Interpolation Using the Geodesic Distance Affinity Space. IEEE Signal Processing Letters, 2019, 26, 943-947.	3.6	1
22	Self-supervised blur detection from synthetically blurred scenes. Image and Vision Computing, 2019, 92, 103804.	4.5	6
23	Saliency for fine-grained object recognition in domains with scarce training data. Pattern Recognition, 2019, 94, 62-73.	8.1	42
24	Exploiting Unlabeled Data in CNNs by Self-Supervised Learning to Rank. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2019, 41, 1862-1878.	13.9	121
25	The Sixth Visual Object Tracking VOT2018 Challenge Results. Lecture Notes in Computer Science, 2019, , 3-53.	1.3	152
26	Multi-Modal Fusion for End-to-End RGB-T Tracking. , 2019, , .		77
27	Learning Metrics From Teachers: Compact Networks for Image Embedding. , 2019, , .		67
28	Synthetic Data Generation for End-to-End Thermal Infrared Tracking. IEEE Transactions on Image Processing, 2019, 28, 1837-1850.	9.8	104
29	One-View Occlusion Detection for Stereo Matching With a Fully Connected CRF Model. IEEE Transactions on Image Processing, 2019, 28, 2936-2947.	9.8	16
30	SDIT. , 2019, , .		26
31	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.	1.5	9
32	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.	11.1	208
33	Scale coding bag of deep features for human attribute and action recognition. Machine Vision and Applications, 2018, 29, 55-71.	2.7	25
34	Beyond Eleven Color Names for Image Understanding. Machine Vision and Applications, 2018, 29, 361-373.	2.7	18
35	Review on computer vision techniques in emergency situations. Multimedia Tools and Applications, 2018, 77, 17069-17107.	3.9	43
36	Leveraging Unlabeled Data for Crowd Counting by Learning to Rank. , 2018, , .		178

#	Article	IF	Citations
37	Rotate your Networks: Better Weight Consolidation and Less Catastrophic Forgetting. , 2018, , .		102
38	Weakly Supervised Domain-Specific Color Naming Based on Attention. , 2018, , .		6
39	Mix and Match Networks: Encoder-Decoder Alignment for Zero-Pair Image Translation. , 2018, , .		21
40	Learning Illuminant Estimation from Object Recognition. , 2018, , .		9
41	NTIRE 2018 Challenge on Spectral Reconstruction from RGB Images. , 2018, , .		58
42	Context proposals for saliency detection. Computer Vision and Image Understanding, 2018, 174, 1-11.	4.7	10
43	Transferring GANs: Generating Images from Limited Data. Lecture Notes in Computer Science, 2018, , 220-236.	1.3	91
44	Bandwidth Limited Object Recognition in High Resolution Imagery. , 2017, , .		1
45	Improved Recursive Geodesic Distance Computation for Edge Preserving Filter. IEEE Transactions on Image Processing, 2017, 26, 3696-3706.	9.8	18
46	TEX-Nets. , 2017, , .		3
47	Adversarial Networks for Spatial Context-Aware Spectral Image Reconstruction from RGB. , 2017, , .		55
48	Domain-Adaptive Deep Network Compression. , 2017, , .		32
49	RankIQA: Learning from Rankings for No-Reference Image Quality Assessment. , 2017, , .		239
50	Top-Down Deep Appearance Attention for Action Recognition. Lecture Notes in Computer Science, 2017, , 297-309.	1.3	0
51	Special Section Guest Editorial:Color in Texture and Material Recognition. Journal of Electronic Imaging, 2016, 25, 061401.	0.9	0
52	Hierarchical part detection with deep neural networks. , 2016, , .		3
53	Combining Holistic and Part-based Deep Representations for Computational Painting Categorization. , 2016, , .		13
54	From Emotions to Action Units with Hidden and Semi-Hidden-Task Learning. , 2015, , .		39

#	Article	IF	Citations
55	An Overview of Color Name Applications in Computer Vision. Lecture Notes in Computer Science, 2015, , 16-22.	1.3	11
56	Accurate Stereo Matching by Two-Step Energy Minimization. IEEE Transactions on Image Processing, 2015, 24, 1153-1163.	9.8	129
57	Global Color Sparseness and a Local Statistics Prior for Fast Bilateral Filtering. IEEE Transactions on Image Processing, 2015, 24, 5842-5853.	9.8	35
58	Recognizing Actions Through Action-Specific Person Detection. IEEE Transactions on Image Processing, 2015, 24, 4422-4432.	9.8	99
59	Deep Semantic Pyramids for Human Attributes and Action Recognition. Lecture Notes in Computer Science, 2015, , 341-353.	1.3	6
60	Compact colorâ€“texture description for texture classification. Pattern Recognition Letters, 2015, 51, 16-22.	4.2	45
61	The Visual Object Tracking VOT2014 Challenge Results. Lecture Notes in Computer Science, 2015, , 191-217.	1.3	136
62	Scale Coding Bag-of-Words for Action Recognition. , 2014, , .		9
63	Unrolling Loopy Top-Down Semantic Feedback in Convolutional Deep Networks. , 2014, , .		16
64	Adaptive Color Attributes for Real-Time Visual Tracking. , 2014, , .		1,080
65	Multi-Illuminant Estimation With Conditional Random Fields. IEEE Transactions on Image Processing, 2014, 23, 83-96.	9.8	61
66	Semantic Pyramids for Gender and Action Recognition. IEEE Transactions on Image Processing, 2014, 23, 3633-3645.	9.8	58
67	Painting-91: a large scale database for computational painting categorization. Machine Vision and Applications, 2014, 25, 1385-1397.	2.7	108
68	Coloring Action Recognition in Still Images. International Journal of Computer Vision, 2013, 105, 205-221.	15.6	101
69	Discriminative Color Descriptors. , 2013, , .		89
70	An Active Contour Model for Speech Balloon Detection in Comics. , 2013, , .		32
71	Towards multispectral data acquisition with hand-held devices. , 2013, , .		1
72	Fusing Color and Shape for Bag-of-Words Based Object Recognition. Lecture Notes in Computer Science, 2013, , 25-34.	1.3	9

#	Article	IF	Citations
73	Evaluating the Impact of Color on Texture Recognition. Lecture Notes in Computer Science, 2013, , 154-162.	1.3	5
74	Color attributes for object detection. , 2012, , .		113
75	Color Naming. , 2012, , 287-317.		3
76	Modulating Shape Features by Color Attention for Object Recognition. International Journal of Computer Vision, 2012, 98, 49-64.	15.6	113
77	Discriminative compact pyramids for object and scene recognition. Pattern Recognition, 2012, 45, 1627-1636.	8.1	46
78	Improving Color Constancy by Photometric Edge Weighting. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2012, 34, 918-929.	13.9	151
79	Harmony Potentials. International Journal of Computer Vision, 2012, 96, 83-102.	15.6	139
80	Describing Reflectances for Color Segmentation Robust to Shadows, Highlights, and Textures. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2011, 33, 917-930.	13.9	31
81	Computational Color Constancy: Survey and Experiments. IEEE Transactions on Image Processing, 2011, 20, 2475-2489.	9.8	442
82	Object recoloring based on intrinsic image estimation. , 2011, , .		33
83	Generalized Gamut Mapping using Image Derivative Structures for Color Constancy. International Journal of Computer Vision, 2010, 86, 127-139.	15.6	171
84	The Impact of Color on Bag-of-Words Based Object Recognition. , 2010, , .		30
85	Harmony potentials for joint classification and segmentation. , 2010, , .		107
86	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.	1.5	26
87	Learning Color Names for Real-World Applications. IEEE Transactions on Image Processing, 2009, 18, 1512-1523.	9.8	564
88	Top-down color attention for object recognition. , 2009, , .		42
89	Physics-based edge evaluation for improved color constancy. , 2009, , .		20
90	Physics-based edge evaluation for improved color constancy. , 2009, , .		2

#	Article	IF	Citations
91	Using High-Level Visual Information for Color Constancy. , 2007, , .		83
92	Learning Color Names from Real-World Images. , 2007, , .		123
93	Applying Color Names to Image Description. , 2007, , .		49
94	Articulated-Body Tracking Through Anisotropic Edge Detection. Lecture Notes in Computer Science, 2007, , 86-99.	1.3	3
95	Edge-Based Color Constancy. IEEE Transactions on Image Processing, 2007, 16, 2207-2214.	9.8	681
96	Robust photometric invariant features from the color tensor. IEEE Transactions on Image Processing, 2006, 15, 118-127.	9.8	73
97	Boosting color saliency in image feature detection. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2006, 28, 150-156.	13.9	237
98	Coloring Local Feature Extraction. Lecture Notes in Computer Science, 2006, , 334-348.	1.3	240
99	Blur Robust and Color Constant Image Description. , 2006, , .		17
100	Corner Detectors for Affine Invariant Salient Regions: Is Color Important?. Lecture Notes in Computer Science, 2006, , 61-71.	1.3	6
101	Least Squares and Robust Estimation of Local Image Structure. International Journal of Computer Vision, 2005, 64, 143-155.	15.6	25
102	Edge and corner detection by photometric quasi-invariants. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2005, 27, 625-630.	13.9	131
103	Fast anisotropic gauss filtering. IEEE Transactions on Image Processing, 2003, 12, 938-943.	9.8	255
104	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.	13.9	43