Joost Van De Weijer

List of Publications by Year
in descending order

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62	6,598	218677	276875
papers	citations	26	41
		h-index	g-index

65	65	65	4575
all docs	docs citations	times ranked	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.	9.8	681
3	Learning Color Names for Real-World Applications. IEEE Transactions on Image Processing, 2009, 18, 1512-1523.	9.8	564
4	Computational Color Constancy: Survey and Experiments. IEEE Transactions on Image Processing, 2011, 20, 2475-2489.	9.8	442
5	Fast anisotropic gauss filtering. IEEE Transactions on Image Processing, 2003, 12, 938-943.	9.8	255
6	Coloring Local Feature Extraction. Lecture Notes in Computer Science, 2006, , 334-348.	1.3	240
7	RankIQA: 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.	13.9	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.	11.1	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.	15.6	171
12	The Sixth Visual Object Tracking VOT2018 Challenge Results. Lecture Notes in Computer Science, 2019, , 3-53.	1.3	152
13	Harmony Potentials. International Journal of Computer Vision, 2012, 96, 83-102.	15.6	139
14	The Visual Object Tracking VOT2014 Challenge Results. Lecture Notes in Computer Science, 2015, , 191-217.	1.3	136
15	Accurate Stereo Matching by Two-Step Energy Minimization. IEEE Transactions on Image Processing, 2015, 24, 1153-1163.	9.8	129
16	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
17	Color attributes for object detection. , 2012, , .		113
18	Modulating Shape Features by Color Attention for Object Recognition. International Journal of Computer Vision, 2012, 98, 49-64.	15.6	113

#	Article	IF	Citations
19	Painting-91: a large scale database for computational painting categorization. Machine Vision and Applications, 2014, 25, 1385-1397.	2.7	108
20	Synthetic Data Generation for End-to-End Thermal Infrared Tracking. IEEE Transactions on Image Processing, 2019, 28, 1837-1850.	9.8	104
21	Coloring Action Recognition in Still Images. International Journal of Computer Vision, 2013, 105, 205-221.	15.6	101
22	Recognizing Actions Through Action-Specific Person Detection. IEEE Transactions on Image Processing, 2015, 24, 4422-4432.	9.8	99
23	Discriminative Color Descriptors. , 2013, , .		89
24	Using High-Level Visual Information for Color Constancy. , 2007, , .		83
25	Multi-Modal Fusion for End-to-End RGB-T Tracking. , 2019, , .		77
26	Robust photometric invariant features from the color tensor. IEEE Transactions on Image Processing, 2006, 15, 118-127.	9.8	73
27	Multi-Illuminant Estimation With Conditional Random Fields. IEEE Transactions on Image Processing, 2014, 23, 83-96.	9.8	61
28	Semantic Pyramids for Gender and Action Recognition. IEEE Transactions on Image Processing, 2014, 23, 3633-3645.	9.8	58
29	Applying Color Names to Image Description. , 2007, , .		49
30	Discriminative compact pyramids for object and scene recognition. Pattern Recognition, 2012, 45, 1627-1636.	8.1	46
31	Compact colorâ€“texture description for texture classification. Pattern Recognition Letters, 2015, 51, 16-22.	4.2	45
32	Saliency for fine-grained object recognition in domains with scarce training data. Pattern Recognition, 2019, 94, 62-73.	8.1	42
33	Global Color Sparseness and a Local Statistics Prior for Fast Bilateral Filtering. IEEE Transactions on Image Processing, 2015, 24, 5842-5853.	9.8	35
34	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
35	The Impact of Color on Bag-of-Words Based Object Recognition. , 2010, , .		30
36	SDIT. , 2019, , .		26

#	Article	IF	Citations
37	Scale coding bag of deep features for human attribute and action recognition. Machine Vision and Applications, 2018, 29, 55-71.	2.7	25
38	Mix and Match Networks: Encoder-Decoder Alignment for Zero-Pair Image Translation. , 2018, , .		21
39	Reducing Label Effort: Self-Supervised meets Active Learning. , 2021, , .		21
40	Physics-based edge evaluation for improved color constancy. , 2009, , .		20
41	Improved Recursive Geodesic Distance Computation for Edge Preserving Filter. IEEE Transactions on Image Processing, 2017, 26, 3696-3706.	9.8	18
42	Beyond Eleven Color Names for Image Understanding. Machine Vision and Applications, 2018, 29, 361-373.	2.7	18
43	Unrolling Loopy Top-Down Semantic Feedback in Convolutional Deep Networks. , 2014, , .		16
44	Combining Holistic and Part-based Deep Representations for Computational Painting Categorization. , 2016, , .		13
45	An Overview of Color Name Applications in Computer Vision. Lecture Notes in Computer Science, 2015, , 16-22.	1.3	11
46	Context proposals for saliency detection. Computer Vision and Image Understanding, 2018, 174, 1-11.	4.7	10
47	Scale Coding Bag-of-Words for Action Recognition. , 2014, , .		9
48	Learning Illuminant Estimation from Object Recognition. , 2018, , .		9
49	Fusing Color and Shape for Bag-of-Words Based Object Recognition. Lecture Notes in Computer Science, 2013, , 25-34.	1.3	9
50	Deep Semantic Pyramids for Human Attributes and Action Recognition. Lecture Notes in Computer Science, 2015, , 341-353.	1.3	6
51	Weakly Supervised Domain-Specific Color Naming Based on Attention. , 2018, , .		6
52	Saliency for free: Saliency prediction as a side-effect of object recognition. Pattern Recognition Letters, 2021, 150, 1-7.	4.2	5
53	Evaluating the Impact of Color on Texture Recognition. Lecture Notes in Computer Science, 2013, , 154-162.	1.3	5
54	Articulated-Body Tracking Through Anisotropic Edge Detection. Lecture Notes in Computer Science, 2007, , 86-99.	1.3	3

#	Article	IF	Citations
55	Color Naming. , 2012, , 287-317.		3
56	TEX-Nets. , 2017, , .		3
57	Object proposals for salient object segmentation in videos. Multimedia Tools and Applications, 2020, 79, 8677-8693.	3.9	2
58	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
59	Controlling biases and diversity in diverse image-to-image translation. Computer Vision and Image Understanding, 2021, 202, 103082.	4.7	2
60	Sparse Data Interpolation Using the Geodesic Distance Affinity Space. IEEE Signal Processing Letters, 2019, 26, 943-947.	3.6	1
61	Saliency from High-Level Semantic Image Features. SN Computer Science, 2020, 1, 1.	3.6	0
62	Top-Down Deep Appearance Attention for Action Recognition. Lecture Notes in Computer Science, 2017, , 297-309.	1.3	0