

Chen Change Loy

List of Publications by Year in descending order

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67
papers

15,202
citations

257101

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35
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all docs

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67
times ranked

10741
citing authors

#	ARTICLE	IF	CITATIONS
1	Image Super-Resolution Using Deep Convolutional Networks. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2016, 38, 295-307.	9.7	6,132
2	WIDER FACE: A Face Detection Benchmark. , 2016, , .		1,011
3	Recovering Realistic Texture in Image Super-Resolution by Deep Spatial Feature Transform. , 2018, , .		597
4	Compression Artifacts Reduction by a Deep Convolutional Network. , 2015, , .		558
5	PSANet: Point-wise Spatial Attention Network for Scene Parsing. Lecture Notes in Computer Science, 2018, , 270-286.	1.0	545
6	Learning Deep Representation for Imbalanced Classification. , 2016, , .		524
7	A large-scale car dataset for fine-grained categorization and verification. , 2015, , .		521
8	Feature Mining for Localised Crowd Counting. , 2012, , .		410
9	LiteFlowNet: A Lightweight Convolutional Neural Network for Optical Flow Estimation. , 2018, , .		388
10	Learning Deep Representation for Face Alignment with Auxiliary Attributes. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2016, 38, 918-930.	9.7	321
11	CARAFE: Content-Aware ReAssembly of FEatures. , 2019, , .		228
12	Image Aesthetic Assessment: An experimental survey. IEEE Signal Processing Magazine, 2017, 34, 80-106.	4.6	195
13	Person Re-identification: What Features Are Important?. Lecture Notes in Computer Science, 2012, , 391-401.	1.0	186
14	From Facial Expression Recognition to Interpersonal Relation Prediction. International Journal of Computer Vision, 2018, 126, 550-569.	10.9	185
15	Scene-Independent Group Profiling in Crowd. , 2014, , .		181
16	Deeply learned attributes for crowded scene understanding. , 2015, , .		172
17	Time-Delayed Correlation Analysis for Multi-Camera Activity Understanding. International Journal of Computer Vision, 2010, 90, 106-129.	10.9	171
18	Not All Pixels Are Equal: Difficulty-Aware Semantic Segmentation via Deep Layer Cascade. , 2017, , .		167

#	ARTICLE	IF	CITATIONS
19	Be Your Own Prada: Fashion Synthesis with Structural Coherence. , 2017, , .		162
20	Dense Intrinsic Appearance Flow for Human Pose Transfer. , 2019, , .		120
21	Unconstrained Face Alignment via Cascaded Compositional Learning. , 2016, , .		119
22	Knowledge Distillation Meets Self-supervision. Lecture Notes in Computer Science, 2020, , 588-604.	1.0	108
23	Pose-Robust Face Recognition via Deep Residual Equivariant Mapping. , 2018, , .		107
24	Person re-identification by manifold ranking. , 2013, , .		106
25	POP: Person Re-identification Post-rank Optimisation. , 2013, , .		103
26	ReenactGAN: Learning to Reenact Faces via Boundary Transfer. Lecture Notes in Computer Science, 2018, , 622-638.	1.0	103
27	The Devil of Face Recognition Is in the Noise. Lecture Notes in Computer Science, 2018, , 780-795.	1.0	102
28	Video Object Segmentation with Joint Re-identification and Attention-Aware Mask Propagation. Lecture Notes in Computer Science, 2018, , 93-110.	1.0	101
29	Deep Learning Markov Random Field for Semantic Segmentation. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2018, 40, 1814-1828.	9.7	99
30	Online Deep Clustering for Unsupervised Representation Learning. , 2020, , .		95
31	From Semi-supervised to Transfer Counting of Crowds. , 2013, , .		87
32	A Lightweight Optical Flow CNN â€”Revisiting Data Fidelity and Regularization. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 2555-2569.	9.7	85
33	Lifelong Learning via Progressive Distillation and Retrospection. Lecture Notes in Computer Science, 2018, , 452-467.	1.0	84
34	Human Attribute Recognition by Deep Hierarchical Contexts. Lecture Notes in Computer Science, 2016, , 684-700.	1.0	83
35	On-the-fly feature importance mining for person re-identification. Pattern Recognition, 2014, 47, 1602-1615.	5.1	77
36	Exploiting Deep Generative Prior for Versatile Image Restoration and Manipulation. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 7474-7489.	9.7	73

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37	Inter-Region Affinity Distillation for Road Marking Segmentation. , 2020, , .		70
38	Aesthetic-Driven Image Enhancement by Adversarial Learning. , 2018, , .		68
39	TransGaGa: Geometry-Aware Unsupervised Image-To-Image Translation. , 2019, , .		66
40	MEAD: A Large-Scale Audio-Visual Dataset for Emotional Talking-Face Generation. Lecture Notes in Computer Science, 2020, , 700-717.	1.0	56
41	Multi-camera activity correlation analysis. , 2009, , .		54
42	Learning Scene-Independent Group Descriptors for Crowd Understanding. IEEE Transactions on Circuits and Systems for Video Technology, 2017, 27, 1290-1303.	5.6	54
43	Slicing Convolutional Neural Network for Crowd Video Understanding. , 2016, , .		50
44	Consensus-Driven Propagation in Massive Unlabeled Data for Face Recognition. Lecture Notes in Computer Science, 2018, , 576-592.	1.0	44
45	Stream-based joint exploration-exploitation active learning. , 2012, , .		43
46	Delving Deep Into Hybrid Annotations for 3D Human Recovery in the Wild. , 2019, , .		43
47	LiteFlowNet3: Resolving Correspondence Ambiguity for More Accurate Optical Flow Estimation. Lecture Notes in Computer Science, 2020, , 169-184.	1.0	42
48	Crowded Scene Understanding by Deeply Learned Volumetric Slices. IEEE Transactions on Circuits and Systems for Video Technology, 2017, 27, 613-623.	5.6	29
49	Self-Supervised Learning via Conditional Motion Propagation. , 2019, , .		29
50	Path-Restore: Learning Network Path Selection for Image Restoration. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 7078-7092.	9.7	29
51	Everybodyâ€™s Talkinâ€™: Let Me Talk as You Want. IEEE Transactions on Information Forensics and Security, 2022, 17, 585-598.	4.5	29
52	Development of fine-grained pill identification algorithm using deep convolutional network. Journal of Biomedical Informatics, 2017, 74, 130-136.	2.5	26
53	Robust and Fast Decoding of High-Capacity Color QR Codes for Mobile Applications. IEEE Transactions on Image Processing, 2018, 27, 6093-6108.	6.0	20
54	Texture Memory-Augmented Deep Patch-Based Image Inpainting. IEEE Transactions on Image Processing, 2021, 30, 9112-9124.	6.0	20

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55	Monocular 3D Reconstruction of Interacting Hands via Collision-Aware Factorized Refinements. , 2021, , .		18
56	Learning from Multiple Sources for Video Summarisation. International Journal of Computer Vision, 2016, 117, 247-268.	10.9	17
57	Instance-Level Facial Attributes Transfer with Geometry-Aware Flow. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 9111-9118.	3.6	16
58	Constrained Clustering With Imperfect Oracles. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 1345-1357.	7.2	14
59	Discover and Learn New Objects from Documentaries. , 2017, , .		14
60	CARAFE++: Unified Content-Aware ReAssembly of FEatures. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, PP, 1-1.	9.7	13
61	Learning to Disambiguate by Asking Discriminative Questions. , 2017, , .		10
62	Towards robust color recovery for high-capacity color QR codes. , 2016, , .		7
63	GLEAN: Generative Latent Bank for Image Super-Resolution and Beyond. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, , 1-14.	9.7	5
64	Chasing the Tail in Monocular 3D Human Reconstruction With Prototype Memory. IEEE Transactions on Image Processing, 2022, 31, 2907-2919.	6.0	4
65	DeepFakes Detection: theÂDeeperForensicsÂDataset andÂChallenge. Advances in Computer Vision and Pattern Recognition, 2022, , 303-329.	0.9	3
66	Talking Faces: Audio-to-Video Face Generation. Advances in Computer Vision and Pattern Recognition, 2022, , 163-188.	0.9	2
67	Retrospective Class Incremental Learning. , 2021, , .		1