Tao Xiang

List of Publications by Year
in descending order

65 papers	11,655 citations	257450 24 h-index	377865 34 g-index
65 all docs	65 docs citations	65 times ranked	5396 citing authors

#	Article	IF	Citations
1	Learning to Compare: Relation Network for Few-Shot Learning. , 2018, , .		2,232
2	Deep Mutual Learning. , 2018, , .		852
3	Deep Learning for Person Re-Identification: A Survey and Outlook. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 2872-2893.	13.9	686
4	Reidentification by Relative Distance Comparison. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2013, 35, 653-668.	13.9	659
5	Semantic Autoencoder for Zero-Shot Learning. , 2017, , .		513
6	Person re-identification by probabilistic relative distance comparison. , 2011, , .		479
7	Omni-Scale Feature Learning for Person Re-Identification. , 2019, , .		474
8	Learning a Discriminative Null Space for Person Re-identification. , 2016, , .		426
9	Learning a Deep Embedding Model for Zero-Shot Learning. , 2017, , .		409
10	Transductive Multi-View Zero-Shot Learning. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2015, 37, 2332-2345.	13.9	349
11	Multi-level Factorisation Net for Person Re-identification. , 2018, , .		338
12	Associating Groups of People. , 2009, , .		295
13	Unsupervised Cross-Dataset Transfer Learning for Person Re-identification. , 2016, , .		277
14	Sketch Me That Shoe. , 2016, , .		264
15	Pose-Normalized Image Generation for Person Re-identification. Lecture Notes in Computer Science, 2018, , 661-678.	1.3	248
16	Unsupervised Domain Adaptation for Zero-Shot Learning. , 2015, , .		247
17	Sketch-a-Net: A Deep Neural Network that Beats Humans. International Journal of Computer Vision, 2017, 122, 411-425.	15.6	217
18	Multi-scale Deep Learning Architectures for Person Re-identification. , 2017, , .		182

#	Article	IF	Citations
19	Partial Person Re-Identification. , 2015, , .		170
20	Deep Spatial-Semantic Attention for Fine-Grained Sketch-Based Image Retrieval. , 2017, , .		144
21	Towards Open-World Person Re-Identification by One-Shot Group-Based Verification. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2016, 38, 591-606.	13.9	135
22	Generalizable Person Re-Identification by Domain-Invariant Mapping Network. , 2019, , .		121
23	Domain Adaptive Ensemble Learning. IEEE Transactions on Image Processing, 2021, 30, 8008-8018.	9.8	107
24	Multi-Scale Learning for Low-Resolution Person Re-Identification. , 2015, , .		99
25	Learning from Weak and Noisy Labels for Semantic Segmentation. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2017, 39, 486-500.	13.9	91
26	Video Behaviour Mining Using a Dynamic Topic Model. International Journal of Computer Vision, 2012, 98, 303-323.	15.6	85
27	SketchMate: Deep Hashing for Million-Scale Human Sketch Retrieval. , 2018, , .		80
28	Large-Scale Few-Shot Learning: Knowledge Transfer With Class Hierarchy. , 2019, , .		78
29	Joint Semantic and Latent Attribute Modelling for Cross-Class Transfer Learning. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2018, 40, 1625-1638.	13.9	75
30	Robust Person Re-Identification by Modelling Feature Uncertainty. , 2019, , .		71
31	Person Re-Identification by Unsupervised $$ell\ \_1$$ Graph Learning. Lecture Notes in Computer Science, 2016, , 178-195.	1.3	66
32	Few-Shot Learning With Global Class Representations. , 2019, , .		66
33	Leader-Based Multi-Scale Attention Deep Architecture for Person Re-Identification. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2020, 42, 371-385.	13.9	63
34	Making better use of edges via perceptual grouping. , 2015, , .		62
35	Zero-Shot Scene Classification for High Spatial Resolution Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 4157-4167.	6.3	60
36	Semantic Regularisation for Recurrent Image Annotation. , 2017, , .		58

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37	Human-in-the-Loop Person Re-identification. Lecture Notes in Computer Science, 2016, , 405-422.	1.3	57
38	Learning Deep Sketch Abstraction. , 2018, , .		57
39	Cross-modal subspace learning for fine-grained sketch-based image retrieval. Neurocomputing, 2018, 278, 75-86.	5.9	56
40	Zero-Shot Learning on Semantic Class Prototype Graph. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2018, 40, 2009-2022.	13.9	55
41	Multi-Modal Multi-Scale Deep Learning for Large-Scale Image Annotation. IEEE Transactions on Image Processing, 2019, 28, 1720-1731.	9.8	54
42	Towards artificial general intelligence via a multimodal foundation model. Nature Communications, 2022, 13, .	12.8	46
43	Towards unsupervised open-set person re-identification. , 2016, , .		45
44	Learning Behavioural Context. International Journal of Computer Vision, 2012, 97, 276-304.	15.6	43
45	Zero and Few Shot Learning With Semantic Feature Synthesis and Competitive Learning. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 2510-2523.	13.9	43
46	Domain-Adaptive Few-Shot Learning. , 2021, , .		43
47	SketchyScene: Richly-Annotated Scene Sketches. Lecture Notes in Computer Science, 2018, , 438-454.	1.3	42
48	Recognising Human-Object Interaction via Exemplar Based Modelling. , 2013, , .		38
49	Deep Ranking for Image Zero-Shot Multi-Label Classification. IEEE Transactions on Image Processing, 2020, 29, 6549-6560.	9.8	32
50	Universal Sketch Perceptual Grouping. Lecture Notes in Computer Science, 2018, , 593-609.	1.3	30
51	Person Re-identification in Identity Regression Space. International Journal of Computer Vision, 2018, 126, 1288-1310.	15.6	26
52	Fine-Grained Instance-Level Sketch-Based Video Retrieval. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 1995-2007.	8.3	25
53	iVQA: Inverse Visual Question Answering. , 2018, , .		24
54	Toward Fine-Grained Sketch-Based 3D Shape Retrieval. IEEE Transactions on Image Processing, 2021, 30, 8595-8606.	9.8	21

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55	Inverse Visual Question Answering: A New Benchmark and VQA Diagnosis Tool. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2020, 42, 460-474.	13.9	20
56	Deep Multi-task Attribute-driven Ranking for Fine-grained Sketch-based Image Retrieval. , 2016, , .		20
57	Toward Deep Universal Sketch Perceptual Grouper. IEEE Transactions on Image Processing, 2019, 28, 3219-3231.	9.8	18
58	Sketching by perceptual grouping. , 2013, , .		16
59	Active Rare Class Discovery and Classification Using Dirichlet Processes. International Journal of Computer Vision, 2014, 106, 315-331.	15.6	14
60	Dynamic Instance Domain Adaptation. IEEE Transactions on Image Processing, 2022, 31, 4585-4597.	9.8	14
61	Transferrable Feature and Projection Learning with Class Hierarchy for Zero-Shot Learning. International Journal of Computer Vision, 2020, 128, 2810-2827.	15.6	10
62	AdarGCN: Adaptive Aggregation GCN for Few-Shot Learning. , 2021, , .		9
63	On Learning Semantic Representations for Large-Scale Abstract Sketches. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 3366-3379.	8.3	7
64	Global Aggregation Then Local Distribution for Scene Parsing. IEEE Transactions on Image Processing, 2021, 30, 6829-6842.	9.8	6
65	One Sketch for All: One-Shot Personalized Sketch Segmentation. IEEE Transactions on Image Processing, 2022, 31, 2673-2682.	9.8	6