

Tao Xiang

List of Publications by Year in descending order

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Version: 2024-02-01

65
papers

11,655
citations

257357

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377752

34
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65
all docs

65
docs citations

65
times ranked

5396
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep Learning for Person Re-Identification: A Survey and Outlook. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 2872-2893.	9.7	686
2	One Sketch for All: One-Shot Personalized Sketch Segmentation. IEEE Transactions on Image Processing, 2022, 31, 2673-2682.	6.0	6
3	Towards artificial general intelligence via a multimodal foundation model. Nature Communications, 2022, 13, .	5.8	46
4	Dynamic Instance Domain Adaptation. IEEE Transactions on Image Processing, 2022, 31, 4585-4597.	6.0	14
5	Zero and Few Shot Learning With Semantic Feature Synthesis and Competitive Learning. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 2510-2523.	9.7	43
6	Fine-Grained Instance-Level Sketch-Based Video Retrieval. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 1995-2007.	5.6	25
7	Domain Adaptive Ensemble Learning. IEEE Transactions on Image Processing, 2021, 30, 8008-8018.	6.0	107
8	On Learning Semantic Representations for Large-Scale Abstract Sketches. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 3366-3379.	5.6	7
9	AdarGCN: Adaptive Aggregation GCN for Few-Shot Learning. , 2021, , .		9
10	Global Aggregation Then Local Distribution for Scene Parsing. IEEE Transactions on Image Processing, 2021, 30, 6829-6842.	6.0	6
11	Domain-Adaptive Few-Shot Learning. , 2021, , .		43
12	Toward Fine-Grained Sketch-Based 3D Shape Retrieval. IEEE Transactions on Image Processing, 2021, 30, 8595-8606.	6.0	21
13	Inverse Visual Question Answering: A New Benchmark and VQA Diagnosis Tool. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2020, 42, 460-474.	9.7	20
14	Leader-Based Multi-Scale Attention Deep Architecture for Person Re-Identification. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2020, 42, 371-385.	9.7	63
15	Transferrable Feature and Projection Learning with Class Hierarchy for Zero-Shot Learning. International Journal of Computer Vision, 2020, 128, 2810-2827.	10.9	10
16	Deep Ranking for Image Zero-Shot Multi-Label Classification. IEEE Transactions on Image Processing, 2020, 29, 6549-6560.	6.0	32
17	Toward Deep Universal Sketch Perceptual Grouper. IEEE Transactions on Image Processing, 2019, 28, 3219-3231.	6.0	18
18	Generalizable Person Re-Identification by Domain-Invariant Mapping Network. , 2019, , .		121

#	ARTICLE	IF	CITATIONS
19	Robust Person Re-Identification by Modelling Feature Uncertainty. , 2019, , .		71
20	Few-Shot Learning With Global Class Representations. , 2019, , .		66
21	Large-Scale Few-Shot Learning: Knowledge Transfer With Class Hierarchy. , 2019, , .		78
22	Multi-Modal Multi-Scale Deep Learning for Large-Scale Image Annotation. IEEE Transactions on Image Processing, 2019, 28, 1720-1731.	6.0	54
23	Omni-Scale Feature Learning for Person Re-Identification. , 2019, , .		474
24	Joint Semantic and Latent Attribute Modelling for Cross-Class Transfer Learning. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2018, 40, 1625-1638.	9.7	75
25	Cross-modal subspace learning for fine-grained sketch-based image retrieval. Neurocomputing, 2018, 278, 75-86.	3.5	56
26	Zero-Shot Learning on Semantic Class Prototype Graph. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2018, 40, 2009-2022.	9.7	55
27	Multi-level Factorisation Net for Person Re-identification. , 2018, , .		338
28	Deep Mutual Learning. , 2018, , .		852
29	iVQA: Inverse Visual Question Answering. , 2018, , .		24
30	Learning Deep Sketch Abstraction. , 2018, , .		57
31	SketchMate: Deep Hashing for Million-Scale Human Sketch Retrieval. , 2018, , .		80
32	Learning to Compare: Relation Network for Few-Shot Learning. , 2018, , .		2,232
33	Person Re-identification in Identity Regression Space. International Journal of Computer Vision, 2018, 126, 1288-1310.	10.9	26
34	Universal Sketch Perceptual Grouping. Lecture Notes in Computer Science, 2018, , 593-609.	1.0	30
35	Pose-Normalized Image Generation for Person Re-identification. Lecture Notes in Computer Science, 2018, , 661-678.	1.0	248
36	SketchyScene: Richly-Annotated Scene Sketches. Lecture Notes in Computer Science, 2018, , 438-454.	1.0	42

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37	Learning from Weak and Noisy Labels for Semantic Segmentation. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2017, 39, 486-500.	9.7	91
38	Zero-Shot Scene Classification for High Spatial Resolution Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 4157-4167.	2.7	60
39	Sketch-a-Net: A Deep Neural Network that Beats Humans. International Journal of Computer Vision, 2017, 122, 411-425.	10.9	217
40	Semantic Regularisation for Recurrent Image Annotation. , 2017, , .		58
41	Learning a Deep Embedding Model for Zero-Shot Learning. , 2017, , .		409
42	Deep Spatial-Semantic Attention for Fine-Grained Sketch-Based Image Retrieval. , 2017, , .		144
43	Semantic Autoencoder for Zero-Shot Learning. , 2017, , .		513
44	Multi-scale Deep Learning Architectures for Person Re-identification. , 2017, , .		182
45	Unsupervised Cross-Dataset Transfer Learning for Person Re-identification. , 2016, , .		277
46	Person Re-Identification by Unsupervised ℓ_1 Graph Learning. Lecture Notes in Computer Science, 2016, , 178-195.	1.0	66
47	Human-in-the-Loop Person Re-identification. Lecture Notes in Computer Science, 2016, , 405-422.	1.0	57
48	Towards unsupervised open-set person re-identification. , 2016, , .		45
49	Learning a Discriminative Null Space for Person Re-identification. , 2016, , .		426
50	Sketch Me That Shoe. , 2016, , .		264
51	Towards Open-World Person Re-Identification by One-Shot Group-Based Verification. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2016, 38, 591-606.	9.7	135
52	Deep Multi-task Attribute-driven Ranking for Fine-grained Sketch-based Image Retrieval. , 2016, , .		20
53	Unsupervised Domain Adaptation for Zero-Shot Learning. , 2015, , .		247
54	Partial Person Re-Identification. , 2015, , .		170

#	ARTICLE	IF	CITATIONS
55	Multi-Scale Learning for Low-Resolution Person Re-Identification. , 2015, , .		99
56	Making better use of edges via perceptual grouping. , 2015, , .		62
57	Transductive Multi-View Zero-Shot Learning. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2015, 37, 2332-2345.	9.7	349
58	Active Rare Class Discovery and Classification Using Dirichlet Processes. International Journal of Computer Vision, 2014, 106, 315-331.	10.9	14
59	Sketching by perceptual grouping. , 2013, , .		16
60	Reidentification by Relative Distance Comparison. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2013, 35, 653-668.	9.7	659
61	Recognising Human-Object Interaction via Exemplar Based Modelling. , 2013, , .		38
62	Video Behaviour Mining Using a Dynamic Topic Model. International Journal of Computer Vision, 2012, 98, 303-323.	10.9	85
63	Learning Behavioural Context. International Journal of Computer Vision, 2012, 97, 276-304.	10.9	43
64	Person re-identification by probabilistic relative distance comparison. , 2011, , .		479
65	Associating Groups of People. , 2009, , .		295