

Yang Yang

List of Publications by Year in descending order

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135
papers

6,355
citations

117453

34
h-index

114278

63
g-index

138
all docs

138
docs citations

138
times ranked

3470
citing authors

#	ARTICLE	IF	CITATIONS
1	Adversarial Cross-Modal Retrieval. , 2017, , .		509
2	Inter-media hashing for large-scale retrieval from heterogeneous data sources. , 2013, , .		442
3	Learning Discriminative Binary Codes for Large-scale Cross-modal Retrieval. IEEE Transactions on Image Processing, 2017, 26, 2494-2507.	6.0	345
4	Unsupervised Deep Hashing with Similarity-Adaptive and Discrete Optimization. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2018, 40, 3034-3044.	9.7	294
5	Describing Video With Attention-Based Bidirectional LSTM. IEEE Transactions on Cybernetics, 2019, 49, 2631-2641.	6.2	179
6	Video Captioning by Adversarial LSTM. IEEE Transactions on Image Processing, 2018, 27, 5600-5611.	6.0	174
7	Multitask Spectral Clustering by Exploring Intertask Correlation. IEEE Transactions on Cybernetics, 2015, 45, 1083-1094.	6.2	150
8	Cross-Modal Attention With Semantic Consistence for Imageâ€™Text Matching. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 5412-5425.	7.2	148
9	Ternary Adversarial Networks With Self-Supervision for Zero-Shot Cross-Modal Retrieval. IEEE Transactions on Cybernetics, 2020, 50, 2400-2413.	6.2	142
10	A Fast Optimization Method for General Binary Code Learning. IEEE Transactions on Image Processing, 2016, 25, 5610-5621.	6.0	138
11	Exploiting Subspace Relation in Semantic Labels for Cross-Modal Hashing. IEEE Transactions on Knowledge and Data Engineering, 2021, 33, 3351-3365.	4.0	133
12	Self-taught dimensionality reduction on the high-dimensional small-sized data. Pattern Recognition, 2013, 46, 215-229.	5.1	126
13	Scalable Deep Hashing for Large-Scale Social Image Retrieval. IEEE Transactions on Image Processing, 2020, 29, 1271-1284.	6.0	120
14	Exploiting Web Images for Semantic Video &#xA0;Indexing Via Robust Sample-Specific Loss. IEEE Transactions on Multimedia, 2014, 16, 1677-1689.	5.2	119
15	Attribute-augmented semantic hierarchy. , 2013, , .		113
16	Zero-Shot Hashing via Transferring Supervised Knowledge. , 2016, , .		109
17	Collective Reconstructive Embeddings for Cross-Modal Hashing. IEEE Transactions on Image Processing, 2019, 28, 2770-2784.	6.0	109
18	Asymmetric Binary Coding for Image Search. IEEE Transactions on Multimedia, 2017, 19, 2022-2032.	5.2	108

#	ARTICLE	IF	CITATIONS
19	Semi-Paired Discrete Hashing: Learning Latent Hash Codes for Semi-Paired Cross-View Retrieval. IEEE Transactions on Cybernetics, 2017, 47, 4275-4288.	6.2	101
20	Robust discrete code modeling for supervised hashing. Pattern Recognition, 2018, 75, 128-135.	5.1	101
21	Learning Binary Codes for Maximum Inner Product Search. , 2015, , .		94
22	Graph Convolutional Network Hashing. IEEE Transactions on Cybernetics, 2020, 50, 1460-1472.	6.2	90
23	Deep Asymmetric Pairwise Hashing. , 2017, , .		88
24	Matching Images and Text with Multi-modal Tensor Fusion and Re-ranking. , 2019, , .		88
25	Matrix Tri-Factorization with Manifold Regularizations for Zero-Shot Learning. , 2017, , .		85
26	Hashing with Angular Reconstructive Embeddings. IEEE Transactions on Image Processing, 2018, 27, 545-555.	6.0	85
27	Tag localization with spatial correlations and joint group sparsity. , 2011, , .		83
28	Robust Discrete Spectral Hashing for Large-Scale Image Semantic Indexing. IEEE Transactions on Big Data, 2015, 1, 162-171.	4.4	82
29	Discrete Nonnegative Spectral Clustering. IEEE Transactions on Knowledge and Data Engineering, 2017, 29, 1834-1845.	4.0	65
30	More is Better: Precise and Detailed Image Captioning Using Online Positive Recall and Missing Concepts Mining. IEEE Transactions on Image Processing, 2019, 28, 32-44.	6.0	65
31	Universal Weighting Metric Learning for Cross-Modal Matching. , 2020, , .		58
32	Cross-domain facial expression recognition via an intra-category common feature and inter-category Distinction feature fusion network. Neurocomputing, 2019, 333, 231-239.	3.5	56
33	Toward Effective Intrusion Detection Using Log-Cosh Conditional Variational Autoencoder. IEEE Internet of Things Journal, 2021, 8, 6187-6196.	5.5	55
34	Deep Fusion of Multiple Semantic Cues for Complex Event Recognition. IEEE Transactions on Image Processing, 2016, 25, 1033-1046.	6.0	54
35	A Survey of Human Action Analysis in HRI Applications. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 2114-2128.	5.6	54
36	MRA-Net: Improving VQA Via Multi-Modal Relation Attention Network. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 318-329.	9.7	51

#	ARTICLE	IF	CITATIONS
37	Effective transfer tagging from image to video. ACM Transactions on Multimedia Computing, Communications and Applications, 2013, 9, 1-20.	3.0	50
38	Bidirectional Long-Short Term Memory for Video Description. , 2016, , .		46
39	Face image classification by pooling raw features. Pattern Recognition, 2016, 54, 94-103.	5.1	46
40	The Disruptions of 5G on Data-Driven Technologies and Applications. IEEE Transactions on Knowledge and Data Engineering, 2020, 32, 1179-1198.	4.0	44
41	Robust Web Image Annotation via Exploring Multi-Facet and Structural Knowledge. IEEE Transactions on Image Processing, 2017, 26, 4871-4884.	6.0	43
42	Universal Weighting Metric Learning for Cross-Modal Retrieval. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 6534-6545.	9.7	42
43	Hierarchical Multi-Clue Modelling for POI Popularity Prediction with Heterogeneous Tourist Information. IEEE Transactions on Knowledge and Data Engineering, 2019, 31, 757-768.	4.0	37
44	Arbitrary-view human action recognition via novel-view action generation. Pattern Recognition, 2021, 118, 108043.	5.1	37
45	Enhancing Video Event Recognition Using Automatically Constructed Semantic-Visual Knowledge Base. IEEE Transactions on Multimedia, 2015, 17, 1562-1575.	5.2	35
46	Modal-adversarial Semantic Learning Network for Extendable Cross-modal Retrieval. , 2018, , .		35
47	A Large-scale RGB-D Database for Arbitrary-view Human Action Recognition. , 2018, , .		33
48	CRA-Net. , 2019, , .		33
49	A Context Knowledge Map Guided Coarse-to-Fine Action Recognition. IEEE Transactions on Image Processing, 2020, 29, 2742-2752.	6.0	33
50	Visual Coding in a Semantic Hierarchy. , 2015, , .		32
51	Classification by Retrieval. , 2017, , .		32
52	Adaptively Attending to Visual Attributes and Linguistic Knowledge for Captioning. , 2017, , .		32
53	Radial Graph Convolutional Network for Visual Question Generation. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 1654-1667.	7.2	32
54	Adaptive Component Embedding for Domain Adaptation. IEEE Transactions on Cybernetics, 2021, 51, 3390-3403.	6.2	31

#	ARTICLE	IF	CITATIONS
55	Scalable Zero-Shot Learning via Binary Visual-Semantic Embeddings. IEEE Transactions on Image Processing, 2019, 28, 3662-3674.	6.0	30
56	Attribute hashing for zero-shot image retrieval. , 2017, , .		29
57	Statistical Karyotype Analysis Using CNN and Geometric Optimization. IEEE Access, 2019, 7, 179445-179453.	2.6	29
58	Discovering attractive segments in the user-generated video streams. Information Processing and Management, 2020, 57, 102130.	5.4	29
59	Curiosity-driven Reinforcement Learning for Diverse Visual Paragraph Generation. , 2019, , .		25
60	Incomplete Cross-modal Retrieval with Dual-Aligned Variational Autoencoders. , 2020, , .		25
61	Cross-Modal Hybrid Feature Fusion for Image-Sentence Matching. ACM Transactions on Multimedia Computing, Communications and Applications, 2021, 17, 1-23.	3.0	25
62	One-shot learning based pattern transition map for action early recognition. Signal Processing, 2018, 143, 364-370.	2.1	24
63	Word-to-region attention network for visual question answering. Multimedia Tools and Applications, 2019, 78, 3843-3858.	2.6	24
64	Joint Feature Synthesis and Embedding: Adversarial Cross-Modal Retrieval Revisited. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 3030-3047.	9.7	24
65	Recurrent attention network using spatial-temporal relations for action recognition. Signal Processing, 2018, 145, 137-145.	2.1	23
66	Arbitrary-View Human Action Recognition: A Varying-View RGB-D Action Dataset. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 289-300.	5.6	23
67	Optimal Projection Guided Transfer Hashing for Image Retrieval. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 3788-3802.	5.6	22
68	Hierarchical Latent Concept Discovery for Video Event Detection. IEEE Transactions on Image Processing, 2017, 26, 2149-2162.	6.0	21
69	Face recognition using linear representation ensembles. Pattern Recognition, 2016, 59, 72-87.	5.1	20
70	Bidirectional Discrete Matrix Factorization Hashing for Image Search. IEEE Transactions on Cybernetics, 2020, 50, 4157-4168.	6.2	20
71	Adversarial Attack Against Urban Scene Segmentation for Autonomous Vehicles. IEEE Transactions on Industrial Informatics, 2021, 17, 4117-4126.	7.2	20
72	Self-weighted Multi-view Fuzzy Clustering. ACM Transactions on Knowledge Discovery From Data, 2020, 14, 1-17.	2.5	20

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73	Multi-view feature selection and classification for Alzheimer’s Disease diagnosis. Multimedia Tools and Applications, 2017, 76, 10761-10775.	2.6	19
74	Visual Spatial Attention Network for Relationship Detection. , 2018, , .		19
75	Challenging tough samples in unsupervised domain adaptation. Pattern Recognition, 2021, 110, 107540.	5.1	19
76	Entity Slot Filling for Visual Captioning. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 52-62.	5.6	19
77	Zero-shot learning via discriminative representation extraction. Pattern Recognition Letters, 2018, 109, 27-34.	2.6	17
78	Web Video Event Recognition by Semantic Analysis From Ubiquitous Documents. IEEE Transactions on Image Processing, 2016, 25, 5689-5701.	6.0	16
79	Dual Learning for Visual Question Generation. , 2018, , .		16
80	MR-NET: Exploiting Mutual Relation for Visual Relationship Detection. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 8110-8117.	3.6	15
81	Leveraging unpaired out-of-domain data for image captioning. Pattern Recognition Letters, 2020, 132, 132-140.	2.6	15
82	$\langle \text{mml:math} \text{ xmlns:mml}=\text{"http://www.w3.org/1998/Math/MathML"} \text{ altimg}=\text{"si0002.gif"} \text{ overflow}=\text{"scroll"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle L \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:mo} \rangle , \langle \text{mml:math} \text{ mathvariant}=\text{"normal"} \rangle \text{-norm} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ and sample constraint based feature selection and classification for AD diagnosis. Neurocomputing, 2016, 195, 104-111.	3.5	14
83	Push & Pull: Transferable Adversarial Examples With Attentive Attack. IEEE Transactions on Multimedia, 2022, 24, 2329-2338.	5.2	14
84	Transfer tagging from image to video. , 2011, , .		13
85	Supervised hashing with adaptive discrete optimization for multimedia retrieval. Neurocomputing, 2017, 253, 97-103.	3.5	12
86	Fooled by Imagination: Adversarial Attack to Image Captioning Via Perturbation in Complex Domain. , 2020, , .		11
87	Captioning Videos Using Large-Scale Image Corpus. Journal of Computer Science and Technology, 2017, 32, 480-493.	0.9	10
88	Jointly Modeling Static Visual Appearance and Temporal Pattern for Unsupervised Video Hashing. , 2017, , .		10
89	A novel relevance feedback method for CBIR. World Wide Web, 2018, 21, 1505-1522.	2.7	10
90	Coarse-to-Fine Annotation Enrichment for Semantic Segmentation Learning. , 2018, , .		10

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91	Residual Graph Convolutional Networks for Zero-Shot Learning. , 2019, , .		10
92	Attention Transfer (ANT) Network for View-invariant Action Recognition. , 2019, , .		9
93	Multi-scale aggregation network for temporal action proposals. Pattern Recognition Letters, 2019, 122, 60-65.	2.6	9
94	Answer Again: Improving VQA with Cascaded-Answering Model. IEEE Transactions on Knowledge and Data Engineering, 2020, , 1-1.	4.0	9
95	View-invariant action recognition via Unsupervised Attention Transfer (UANT). Pattern Recognition, 2021, 113, 107807.	5.1	9
96	Combining multi-representation for multimedia event detection using co-training. Neurocomputing, 2016, 217, 11-18.	3.5	8
97	On the Influence Propagation of Web Videos. IEEE Transactions on Knowledge and Data Engineering, 2014, 26, 1961-1973.	4.0	7
98	Index and Retrieve Multimedia Data: Cross-Modal Hashing by Learning Subspace Relation. Lecture Notes in Computer Science, 2018, , 606-621.	1.0	7
99	Deep-Like Hashing-in-Hash for Visual Retrieval: An Embarrassingly Simple Method. IEEE Transactions on Image Processing, 2020, 29, 8149-8162.	6.0	7
100	Region Attention Enhanced Unsupervised Cross-Domain Facial Emotion Recognition. IEEE Transactions on Knowledge and Data Engineering, 2023, 35, 4190-4201.	4.0	7
101	Efficient Binary Coding for Subspace-based Query-by-Image Video Retrieval. , 2017, , .		6
102	Learning binary codes with local and inner data structure. Neurocomputing, 2018, 282, 32-41.	3.5	6
103	Collaborative Learning for Extremely Low Bit Asymmetric Hashing. IEEE Transactions on Knowledge and Data Engineering, 2021, 33, 3675-3685.	4.0	6
104	One-Shot Image-to-Image Translation via Part-Global Learning With a Multi-Adversarial Framework. IEEE Transactions on Multimedia, 2022, 24, 480-491.	5.2	6
105	Learning a Weighted Classifier for Conditional Domain Adaptation. Knowledge-Based Systems, 2021, 215, 106774.	4.0	6
106	Deep Semantic Indexing Using Convolutional Localization Network with Region-Based Visual Attention for Image Database. Lecture Notes in Computer Science, 2017, , 261-272.	1.0	6
107	Improving Rumor Detection by Promoting Information Campaigns With Transformer-Based Generative Adversarial Learning. IEEE Transactions on Knowledge and Data Engineering, 2023, 35, 2657-2670.	4.0	5
108	EventEye. , 2014, , .		4

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109	Asymmetric sparse hashing. , 2017, , .		4
110	Embedding and predicting the event at early stage. World Wide Web, 2019, 22, 1055-1074.	2.7	4
111	Multi-scale Dynamic Network for Temporal Action Detection. , 2021, , .		4
112	Text-Embedded Bilinear Model for Fine-Grained Visual Recognition. , 2020, , .		4
113	Hierarchical topology based hand pose estimation from a single depth image. Multimedia Tools and Applications, 2018, 77, 10553-10568.	2.6	3
114	Web-based SBLR method of multimedia tools for computer-aided drawing. Multimedia Tools and Applications, 2019, 78, 799-816.	2.6	3
115	Mind the Remainder: Taylor's Theorem View on Recurrent Neural Networks. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 1507-1519.	7.2	3
116	Sparse Graph Connectivity for Image Segmentation. ACM Transactions on Knowledge Discovery From Data, 2020, 14, 1-19.	2.5	3
117	On the Imaginary Wings: Text-Assisted Complex-Valued Fusion Network for Fine-Grained Visual Classification. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 5112-5121.	7.2	3
118	Hierarchical Composition Learning for Composed Query Image Retrieval. , 2021, , .		3
119	PML-LocNet: Improving Object Localization With Prior-Induced Multi-View Learning Network. IEEE Transactions on Image Processing, 2020, 29, 2568-2582.	6.0	2
120	Self-supervised adversarial learning for cross-modal retrieval. , 2021, , .		2
121	Domain Invariant Subspace Learning for Cross-Modal Retrieval. Lecture Notes in Computer Science, 2018, , 94-105.	1.0	2
122	Universal adversarial perturbations generative network. World Wide Web, 2022, 25, 1725-1746.	2.7	2
123	Semantic binary coding for visual recognition via joint concept-attribute modelling. Multimedia Tools and Applications, 2018, 77, 22185-22198.	2.6	1
124	CC-LSTM: Cross and Conditional Long-Short Time Memory for Video Captioning. Lecture Notes in Computer Science, 2021, , 353-365.	1.0	1
125	Graph-based variational auto-encoder for generalized zero-shot learning. , 2021, , .		1
126	Semantic feature augmentation for fine-grained visual categorization with few-sample training. , 2021, , .		1

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127	Interpretable Signed Link Prediction With Signed Infomax Hyperbolic Graph. IEEE Transactions on Knowledge and Data Engineering, 2023, 35, 3991-4002.	4.0	1
128	Composition-Aware Image Steganography Through Adversarial Self-Generated Supervision. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 9451-9465.	7.2	1
129	Binary code learning via optimal class representations. Neurocomputing, 2016, 208, 59-65.	3.5	0
130	Modeling Two-Stream Correspondence for Visual Sound Separation. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 3291-3302.	5.6	0
131	Scene graph generation via multi-relation classification and cross-modal attention coordinator. , 2021, , .		0
132	Multi-level expression guided attention network for referring expression comprehension. , 2021, , .		0
133	Enhanced context encoding for single image raindrop removal. Science China Technological Sciences, 2021, 64, 2640-2650.	2.0	0
134	Efficient Supervised Hashing via Exploring Local and Inner Data Structure. Lecture Notes in Computer Science, 2017, , 98-109.	1.0	0
135	Semantic Enhanced Cross-modal GAN for Zero-shot Learning. , 2021, , .		0