Guo-Jun Qi

List of Publications by Year
in descending order

141 papers	7,044 citations	126708 33 h-index	149479 56 g-index
141 all docs	141 docs citations	141 times ranked	4794 citing authors

#	Article	IF	Citations
1	Learning Generalized Transformation Equivariant Representations Via AutoEncoding Transformations. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 2045-2057.	9.7	18
2	Small Data Challenges in Big Data Era: A Survey of Recent Progress on Unsupervised and Semi-Supervised Methods. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 2168-2187.	9.7	105
3	Spatiotemporal Co-Attention Recurrent Neural Networks for Human-Skeleton Motion Prediction. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 3300-3315.	9.7	124
4	Hierarchical Deep CNN Feature Set-Based Representation Learning for Robust Cross-Resolution Face Recognition. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 2550-2560.	5.6	28
5	Progressive Unsupervised Person Re-Identification by Tracklet Association With Spatio-Temporal Regularization. IEEE Transactions on Multimedia, 2021, 23, 597-610.	5.2	23
6	Prior-knowledge and attention based meta-learning for few-shot learning. Knowledge-Based Systems, 2021, 213, 106609.	4.0	15
7	Hierarchical Long Short-Term Concurrent Memory for Human Interaction Recognition. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 1110-1118.	9.7	103
8	EnAET: A Self-Trained Framework for Semi-Supervised and Supervised Learning With Ensemble Transformations. IEEE Transactions on Image Processing, 2021, 30, 1639-1647.	6.0	36
9	An End-to-End Foreground-Aware Network for Person Re-Identification. IEEE Transactions on Image Processing, 2021, 30, 2060-2071.	6.0	29
10	Human Parsing With Pyramidical Gather-Excite Context. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 1016-1030.	5.6	16
11	Partially-Connected Neural Architecture Search for Reduced Computational Redundancy. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 2953-2970.	9.7	28
12	AdCo: Adversarial Contrast for Efficient Learning of Unsupervised Representations from Self-Trained Negative Adversaries. , 2021, , .		45
13	Multitask AET with Orthogonal Tangent Regularity for Dark Object Detection. , 2021, , .		34
14	E-Optimal Sensor Selection for Compressive Sensing-Based Purposes. IEEE Transactions on Big Data, 2020, 6, 51-65.	4.4	10
15	Learning Compact Features for Human Activity Recognition Via Probabilistic First-Take-All. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2020, 42, 126-139.	9.7	37
16	Loss-Sensitive Generative Adversarial Networks on Lipschitz Densities. International Journal of Computer Vision, 2020, 128, 1118-1140.	10.9	122
17	Transformation GAN for Unsupervised Image Synthesis and Representation Learning. , 2020, , .		17
18	Rotation Equivariant Graph Convolutional Network for Spherical Image Classification. , 2020, , .		19

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19	WCP: Worst-Case Perturbations for Semi-Supervised Deep Learning. , 2020, , .		29
20	Guest Editorial Introduction to the Special Section on Representation Learning for Visual Content Understanding. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 2797-2800.	5.6	2
21	GraphTER: Unsupervised Learning of Graph Transformation Equivariant Representations via Auto-Encoding Node-Wise Transformations. , 2020, , .		27
22	Learning to Adaptively Scale Recurrent Neural Networks. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 3822-3829.	3.6	1
23	Deep Ordinal Hashing With Spatial Attention. IEEE Transactions on Image Processing, 2019, 28, 2173-2186.	6.0	72
24	Multi-level Similarity Perception Network for Person Re-identification. ACM Transactions on Multimedia Computing, Communications and Applications, 2019, 15, 1-19.	3.0	6
25	Cascade Attention Machine for Occluded Landmark Detection in 2D X-Ray Angiography. , 2019, , .		3
26	Improving Diversity of Image Captioning Through Variational Autoencoders and Adversarial Learning. , 2019, , .		3
27	Image generation via latent space learning using improved combination. Neurocomputing, 2019, 340, 8-18.	3.5	3
28	Large-Scale Bisample Learning on ID Versus Spot Face Recognition. International Journal of Computer Vision, 2019, 127, 684-700.	10.9	36
29	Few-Shot Image Recognition With Knowledge Transfer. , 2019, , .		126
30	AVT: Unsupervised Learning of Transformation Equivariant Representations by Autoencoding Variational Transformations. , 2019, , .		29
31	AET vs. AED: Unsupervised Representation Learning by Auto-Encoding Transformations Rather Than Data. , 2019, , .		122
32	Task Agnostic Meta-Learning for Few-Shot Learning. , 2019, , .		229
33	Sharp Attention Network via Adaptive Sampling for Person Re-Identification. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 3016-3027.	5.6	43
34	Deep Semantic-Preserving Ordinal Hashing for Cross-Modal Similarity Search. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 1429-1440.	7.2	53
35	MSAFusionNet: Multiple Subspace Attention Based Deep Multi-modal Fusion Network. Lecture Notes in Computer Science, 2019, , 54-62.	1.0	3
36	DCCL: A Benchmark for Cervical Cytology Analysis. Lecture Notes in Computer Science, 2019, , 63-72.	1.0	16

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37	Boundary Perception Guidance: A Scribble-Supervised Semantic Segmentation Approach. , 2019, , .		43
38	Rethinking the Combined and Individual Orders of Derivative of States for Differential Recurrent Neural Networks. ACM Transactions on Multimedia Computing, Communications and Applications, 2019, 15, 1-21.	3.0	22
39	Latent Dirichlet Truth Discovery: Separating Trustworthy and Untrustworthy Components in Data Sources. IEEE Access, 2018, 6, 1741-1752.	2.6	4
40	Semantic Neighbor Graph Hashing for Multimodal Retrieval. IEEE Transactions on Image Processing, 2018, 27, 1405-1417.	6.0	34
41	Learning Label Preserving Binary Codes for Multimedia Retrieval. ACM Transactions on Multimedia Computing, Communications and Applications, 2018, 14, 1-23.	3.0	21
42	Co-SpOT: Cooperative Spectrum Opportunity Detection Using Bayesian Clustering in Spectrum-Heterogeneous Cognitive Radio Networks. IEEE Transactions on Cognitive Communications and Networking, 2018, 4, 206-219.	4.9	18
43	Image Classification With Tailored Fine-Grained Dictionaries. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 454-467.	5.6	53
44	Interleaved Structured Sparse Convolutional Neural Networks. , 2018, , .		83
45	Global Versus Localized Generative Adversarial Nets. , 2018, , .		53
46	Previewer for Multi-Scale Object Detector. , 2018, , .		9
47	Automated Pulmonary Nodule Detection: High Sensitivity with Few Candidates. Lecture Notes in Computer Science, 2018, , 759-767.	1.0	29
48	Weakly Supervised Facial Attribute Manipulation via Deep Adversarial Network. , 2018, , .		8
49	Generalized Loss-Sensitive Adversarial Learning with Manifold Margins. Lecture Notes in Computer Science, 2018, , 90-104.	1.0	17
50	An Adversarial Approach to Hard Triplet Generation. Lecture Notes in Computer Science, 2018, , 508-524.	1.0	70
51	Ontological Random Forests for Image Classification. , 2018, , 784-799.		0
52	A Temporal Order Modeling Approach to Human Action Recognition from Multimodal Sensor Data. ACM Transactions on Multimedia Computing, Communications and Applications, 2017, 13, 1-22.	3.0	11
53	Mixture Factorized Ornstein-Uhlenbeck Processes for Time-Series Forecasting. , 2017, , .		0
54	Semantic Image Retrieval with Feature Space Rankings. International Journal of Semantic Computing, 2017, 11, 171-192.	0.4	3

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55	Concurrence-Aware Long Short-Term Sub-Memories for Person-Person Action Recognition. , 2017, , .		21
56	Temporal Domain Neural Encoder for Video Representation Learning. , 2017, , .		2
57	Stock Price Prediction via Discovering Multi-Frequency Trading Patterns. , 2017, , .		198
58	Linear Subspace Ranking Hashing for Cross-Modal Retrieval. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2017, 39, 1825-1838.	9.7	99
59	<italic>LEGO-MM</italic>: <italic>LE</italic>arning Structured Model by Probabilistic lo<italic>G</italic>ic <italic>O</italic>ntology Tree for <italic>M</italic>ulti<italic>M</italic>edia. IEEE Transactions on Image Processing, 2017, 26, 196-207.	6.0	4
60	Joint Intermodal and Intramodal Label Transfers for Extremely Rare or Unseen Classes. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2017, 39, 1360-1373.	9.7	48
61	Tri-Clustered Tensor Completion for Social-Aware Image Tag Refinement. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2017, 39, 1662-1674.	9.7	116
62	Context-patch based face hallucination via thresholding locality-constrained representation and reproducing learning. , 2017, , .		13
63	Interleaved Group Convolutions. , 2017, , .		183
64	Cross-modal hashing through ranking subspace learning. , 2016, , .		3
65	Hierarchically Gated Deep Networks for Semantic Segmentation. , 2016, , .		59
66	Temporal Order-based First-Take-All Hashing for Fast Attention-Deficit-Hyperactive-Disorder Detection. , 2016, , .		6
67	Supervised Ranking Hash for Semantic Similarity Search. , 2016, , .		4
68	Generalized Deep Transfer Networks for Knowledge Propagation in Heterogeneous Domains. ACM Transactions on Multimedia Computing, Communications and Applications, 2016, 12, 1-22.	3.0	120
69	Supervised Quantization for Similarity Search. , 2016, , .		57
70	Large-scale supervised similarity learning in networks. Knowledge and Information Systems, 2016, 48, 707-740.	2.1	2
71	Differential Recurrent Neural Networks for Action Recognition. , 2015, , .		320
72	Sparse composite quantization. , 2015, , .		53

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73	Guest Editorial: Big Media Data: Understanding, Search, and Mining. IEEE Transactions on Big Data, 2015, 1, 82-83.	4.4	3
74	Guest Editorial: Deep Learning for Multimedia Computing. IEEE Transactions on Multimedia, 2015, 17, 1873-1874.	5.2	4
75	Temporal Order-Preserving Dynamic Quantization for Human Action Recognition from Multimodal Sensor Streams. , 2015, , .		24
76	Weakly-Shared Deep Transfer Networks for Heterogeneous-Domain Knowledge Propagation. , 2015, , .		169
77	Deep Learning Architecture with Dynamically Programmed Layers for Brain Connectome Prediction. , 2015, , .		9
78	Breaking the Barrier to Transferring Link Information across Networks. IEEE Transactions on Knowledge and Data Engineering, 2015, 27, 1741-1753.	4.0	7
79	Heterogeneous Network Embedding via Deep Architectures. , 2015, , .		395
80	State-Driven Dynamic Sensor Selection and Prediction with State-Stacked Sparseness. , 2015, , .		6
81	Factorized Similarity Learning in Networks. , 2014, , .		43
82	Multi-Label Image Categorization With Sparse Factor Representation. IEEE Transactions on Image Processing, 2014, 23, 1028-1037.	6.0	68
83	Social media mining and knowledge discovery. Multimedia Systems, 2014, 20, 633-634.	3.0	5
84	Online community detection in social sensing. , 2013, , .		21
85	Cross-Space Affinity Learning with Its Application to Movie Recommendation. IEEE Transactions on Knowledge and Data Engineering, 2013, 25, 1510-1519.	4.0	24
86	Link prediction across networks by biased cross-network sampling. , 2013, , .		10
87	Multimedia LEGO: Learning Structured Model by Probabilistic Logic Ontology Tree. , 2013, , .		14
88	Mining collective intelligence in diverse groups. , 2013, , .		59
89	On clustering heterogeneous social media objects with outlier links. , 2012, , .		51
90	Community Detection with Edge Content in Social Media Networks. , 2012, , .		105

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91	Web-Scale Multimedia Information Networks. Proceedings of the IEEE, 2012, 100, 2688-2704.	16.4	13
92	Recommending Flickr groups with social topic model. Information Retrieval, 2012, 15, 278-295.	1.6	51
93	Exploring Context and Content Links in Social Media: A Latent Space Method. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2012, 34, 850-862.	9.7	104
94	Transfer Learning of Distance Metrics by Cross-Domain Metric Sampling across Heterogeneous Spaces. , 2012, , .		11
95	Towards cross-category knowledge propagation for learning visual concepts. , 2011, , .		68
96	PhotoNet: A Similarity-Aware Picture Delivery Service for Situation Awareness. , 2011, , .		64
97	Locality-sensitive support vector machine by exploring local correlation and global regularization. , 2011, , .		14
98	Towards semantic knowledge propagation from text corpus to web images. , 2011, , .		93
99	Image annotation by <i>k</i> NN-sparse graph-based label propagation over noisily tagged web images. ACM Transactions on Intelligent Systems and Technology, 2011, 2, 1-15.	2.9	180
100	Multimedia Information Networks in Social Media. , 2011, , 413-445.		3
101	Image Annotation by Graph-Based Inference With Integrated Multiple/Single Instance Representations. IEEE Transactions on Multimedia, 2010, 12, 131-141.	5.2	93
102	Image Classification With Kernelized Spatial-Context. IEEE Transactions on Multimedia, 2010, 12, 278-287.	5.2	39
103	Learning semantic distance from community-tagged media collection. , 2009, , .		46
104	Video semantic analysis based on structure-sensitive anisotropic manifold ranking. Signal Processing, 2009, 89, 2313-2323.	2.1	13
105	Semi-supervised kernel density estimation for video annotation. Computer Vision and Image Understanding, 2009, 113, 384-396.	3.0	71
106	Inferring semantic concepts from community-contributed images and noisy tags. , 2009, , .		172
107	Unified Video Annotation via Multigraph Learning. IEEE Transactions on Circuits and Systems for Video Technology, 2009, 19, 733-746.	5.6	338
108	Two-Dimensional Multilabel Active Learning with an Efficient Online Adaptation Model for Image Classification. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2009, 31, 1880-1897.	9.7	63

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109	Correlative Linear Neighborhood Propagation for Video Annotation. IEEE Transactions on Systems, Man, and Cybernetics, 2009, 39, 409-416.	5.5	54
110	A joint appearance-spatial distance for kernel-based image categorization. , 2008, , .		1
111	Joint multi-label multi-instance learning for image classification. , 2008, , .		39
112	Video Annotation Based on Kernel Linear Neighborhood Propagation. IEEE Transactions on Multimedia, 2008, 10, 620-628.	5.2	40
113	Correlative multilabel video annotation with temporal kernels. ACM Transactions on Multimedia Computing, Communications and Applications, 2008, 5, 1-27.	3.0	40
114	Online multi-label active annotation. , 2008, , .		35
115	Integrated graph-based semi-supervised multiple/single instance learning framework for image annotation. , 2008, , .		17
116	Two-Dimensional Active Learning for image classification. , 2008, , .		18
117	Query-independent learning for video search. , 2008, , .		2
118	Typicality ranking via semi-supervised multiple-instance learning. , 2007, , .		37
119	Correlative multi-label video annotation. , 2007, , .		338
120	Temporally Consistent Gaussian Random Field for Video Semantic Analysis. , 2007, , .		0
121	Refining video annotation by exploiting pairwise concurrent relation. , 2007, , .		16
122	Structure-sensitive manifold ranking for video concept detection. , 2007, , .		41
123	INTERACTIVE VIDEO ANNOTATION BY MULTI-CONCEPT MULTI-MODALITY ACTIVE LEARNING. International Journal of Semantic Computing, 2007, 01, 459-477.	0.4	11
124	Concurrent Multiple Instance Learning for Image Categorization. , 2007, , .		34
125	Beyond Accuracy: Typicality Ranking for Video Annotation. , 2007, , .		6
126	A Novel Multiple Instance Learning Approach for Image Retrieval Based on Adaboost Feature Selection. , 2007, , .		9

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127	Learning Concepts by Modeling Relationships. , 2007, , 5-13.		1
128	Transductive Inference with Hierarchical Clustering for Video Annotation. , 2007, , .		4
129	Anisotropic Manifold Ranking for Video Annotation. , 2007, , .		5
130	Kernel-Based Linear Neighborhood Propagation for Semantic Video Annotation. , 2007, , 793-800.		4
131	Video Annotation by Active Learning and Semi-Supervised Ensembling. , 2006, , .		8
132	Efficient semantic annotation method for indexing large personal video database. , 2006, , .		6
133	Mechanical strength of thermally aged Sn-3.5Ag/Ni-P solder joints. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2005, 36, 65-75.	1.1	32
134	Morphology and kinetic study of the interfacial reaction between the Sn-3.5Ag solder and electroless Ni-P metallization. Journal of Electronic Materials, 2004, 33, 1465-1472.	1.0	76
135	Effect of post-reflow cooling rate on intermetallic compound formation between Sn–3.5 Ag solder and Ni–P under bump metallization. Thin Solid Films, 2004, 462-463, 363-369.	0.8	36
136	Intermetallic compound formation between Sn–3.5Ag solder and Ni-based metallization during liquid state reaction. Thin Solid Films, 2004, 462-463, 376-383.	0.8	75
137	An integral flexure for rotary actuators in hard disk drives. Sensors and Actuators A: Physical, 2004, 113, 248-256.	2.0	1
138	Solid state interfacial reaction of Sn–37Pb and Sn–3.5Ag solders with Ni–P under bump metallization. Acta Materialia, 2004, 52, 2047-2056.	3.8	197
139	In SituResistance Measurement of Nickel-Induced Lateral Crystallization of Amorphous Silicon. Japanese Journal of Applied Physics, 2003, 42, L898-L900.	0.8	3
140	Video Annotation by Active Learning and Cluster Tuning. , 0, , .		7
141	Active Video Annotation. , 0, , 298-322.		0