

Xiaodong Gu

List of Publications by Year in descending order

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72
papers

825
citations

759233

12
h-index

552781

26
g-index

73
all docs

73
docs citations

73
times ranked

710
citing authors

#	ARTICLE	IF	CITATIONS
1	Semantic Pre-alignment and Ranking Learning with Unified Framework for Cross-modal Retrieval. IEEE Transactions on Circuits and Systems for Video Technology, 2024, , 1-1.	8.3	16
2	Deep supervised visual saliency model addressing low-level features. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 15659-15672.	4.9	1
3	Image captioning with adaptive incremental global context attention. Applied Intelligence, 2022, 52, 6575-6597.	5.3	9
4	Learning edges and adaptive surroundings for discriminant segmentation tracking. , 2022, 121, 103309.		3
5	Visual context learning based on textual knowledge for image-text retrieval. Neural Networks, 2022, 152, 434-449.	5.9	5
6	Co-saliency detection with intra-group two-stage group semantics propagation and inter-group contrastive learning. Knowledge-Based Systems, 2022, 252, 109356.	7.1	10
7	Dynamic-balanced double-attention fusion for image captioning. Engineering Applications of Artificial Intelligence, 2022, 114, 105194.	8.1	7
8	Bridging multimedia heterogeneity gap via Graph Representation Learning for cross-modal retrieval. Neural Networks, 2021, 134, 143-162.	5.9	23
9	Learning Dual Semantic Relations With Graph Attention for Image-Text Matching. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 2866-2879.	8.3	48
10	Enhancing Separate Encoding with Multi-layer Feature Alignment for Image-Text Matching. Lecture Notes in Computer Science, 2021, , 403-414.	1.3	0
11	Subspace Constraint for Single Image Super-Resolution. Lecture Notes in Computer Science, 2021, , 395-407.	1.3	0
12	Context-aware network with foreground recalibration for grounding natural language in video. Neural Computing and Applications, 2021, 33, 10485-10502.	5.6	1
13	An Image Captioning Approach Using Dynamical Attention. , 2021, , .		3
14	Depth scale balance saliency detection with connective feature pyramid and edge guidance. Applied Intelligence, 2021, 51, 5775-5792.	5.3	14
15	Subspace clustering based on alignment and graph embedding. Knowledge-Based Systems, 2020, 188, 105029.	7.1	3
16	Face recognition approach by subspace extended sparse representation and discriminative feature learning. Neurocomputing, 2020, 373, 35-49.	5.9	30
17	Embedding topological features into convolutional neural network salient object detection. Neural Networks, 2020, 121, 308-318.	5.9	22
18	Dual Semantic Relationship Attention Network for Image-Text Matching. , 2020, , .		1

#	ARTICLE	IF	CITATIONS
19	Single Image Super-Resolution with Hierarchical Receptive Field. , 2020, , .		1
20	SBN: Scale Balance Network for Accurate Salient Object Detection. , 2020, , .		2
21	Deep attentional fine-grained similarity network with adversarial learning for cross-modal retrieval. Multimedia Tools and Applications, 2020, 79, 31401-31428.	3.9	6
22	Scene image retrieval with siamese spatial attention pooling. Neurocomputing, 2020, 412, 252-261.	5.9	5
23	Single-image super-resolution with multilevel residual attention network. Neural Computing and Applications, 2020, 32, 15615-15628.	5.6	8
24	Salient Object Detection with Edge Recalibration. Lecture Notes in Computer Science, 2020, , 724-735.	1.3	5
25	Enriched Feature Representation and Combination for Deep Saliency Detection. Lecture Notes in Computer Science, 2020, , 699-710.	1.3	0
26	End-to-end Saliency-Guided Deep Image Retrieval. Communications in Computer and Information Science, 2020, , 402-409.	0.5	0
27	Semantic Modulation Based Residual Network for Temporal Language Queries Grounding in Video. Lecture Notes in Computer Science, 2020, , 119-129.	1.3	0
28	Algorithm using supervised subspace learning and non-local representation for pose variation recognition. IET Computer Vision, 2020, 14, 528-537.	2.0	2
29	Face recognition algorithm based on feature descriptor and weighted linear sparse representation. IET Image Processing, 2019, 13, 2281-2293.	2.5	4
30	FCN Salient Object Detection Using Region Cropping. Lecture Notes in Computer Science, 2019, , 360-370.	1.3	0
31	Hybrid Attention Driven Text-to-Image Synthesis via Generative Adversarial Networks. Lecture Notes in Computer Science, 2019, , 483-495.	1.3	2
32	Deep Residual-Dense Attention Network for Image Super-Resolution. Communications in Computer and Information Science, 2019, , 3-10.	0.5	1
33	Group Loss: An Efficient Strategy for Salient Object Detection. Communications in Computer and Information Science, 2019, , 104-111.	0.5	1
34	Multi ROI and Multi Map Networks for Accurate and Efficient Pedestrian Detection. , 2018, , .		1
35	Cross-modal Metric Learning with Graph Embedding. , 2018, , .		0
36	Learning Cross-Modal Aligned Representation With Graph Embedding. IEEE Access, 2018, 6, 77321-77333.	4.2	2

#	ARTICLE	IF	CITATIONS
37	Hybrid classification approach using extreme learning machine and sparse representation classifier with adaptive threshold. IET Signal Processing, 2018, 12, 811-818.	1.5	3
38	Face recognition using feature coding and nonlocal constraint-based sparse representation classifier. Journal of Electronic Imaging, 2018, 27, 1.	0.9	1
39	Cascaded Convolutional Neural Networks for Aspect-Based Opinion Summary. Neural Processing Letters, 2017, 46, 581-594.	3.2	38
40	Word Embedding Dropout and Variable-Length Convolution Window in Convolutional Neural Network for Sentiment Classification. Lecture Notes in Computer Science, 2017, , 40-48.	1.3	1
41	Balancing between over-weighting and under-weighting in supervised term weighting. Information Processing and Management, 2017, 53, 547-557.	8.6	38
42	Moving object attention selection using optical flow and pulse coupled neural network. , 2017, , .		0
43	Visual saliency using unit-linking PCNN image segmentation. , 2017, , .		1
44	A new supervised image classification using data set partition. , 2017, , .		0
45	Support vector machine equipped with deep convolutional features for product reviews classification. , 2017, , .		2
46	A Supervised Term Weighting Scheme for Multi-class Text Categorization. Lecture Notes in Computer Science, 2017, , 436-447.	1.3	1
47	Aspect-based Opinion Summarization with Convolutional Neural Networks. , 2016, , .		31
48	Towards dropout training for convolutional neural networks. Neural Networks, 2015, 71, 1-10.	5.9	204
49	Animal group behavioral model with Evasion Mechanism. , 2014, , .		2
50	Hand vein identification using local Gabor ordinal measure. Journal of Electronic Imaging, 2014, 23, 053004.	0.9	7
51	Video attention saliency mapping using pulse coupled neural network and optical flow. , 2014, , .		5
52	Palm-Dorsal Vein Recognition Method Based on Histogram of Local Gabor Phase XOR Pattern with Second Identification. Journal of Signal Processing Systems, 2013, 73, 101-107.	2.1	7
53	Attention selection using global topological properties based on pulse coupled neural network. Computer Vision and Image Understanding, 2013, 117, 1400-1411.	4.7	12
54	Hand vein recognition using local block pattern. Electronics Letters, 2013, 49, 1614-1615.	1.0	9

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55	Color-frequency-orientation histogram based image retrieval. , 2012, , .		2
56	PCNN-based image segmentation with contoured product mutual information criterion. , 2012, , .		2
57	Combining PCNN with color distribution entropy and vector gradient in feature extraction. , 2012, , .		3
58	Attention selection model using Weight Adjusted Topological properties and quantification evaluating criterion. , 2011, , .		0
59	A method for hand vein recognition based on Curvelet Transform phase feature. , 2011, , .		4
60	Histogram similarity measure using variable bin size distance. Computer Vision and Image Understanding, 2010, 114, 981-989.	4.7	31
61	A model-oriented road detection approach using fuzzy SVM. Journal of Electronics, 2010, 27, 795-800.	0.2	1
62	Pulse Coupled Neural Network based topological properties applied in attention saliency detection. , 2010, , .		1
63	Feature Extraction using Unit-linking Pulse Coupled Neural Network and its Applications. Neural Processing Letters, 2008, 27, 25-41.	3.2	66
64	Image quality assessment using edge and contrast similarity. , 2008, , .		15
65	Re-coloring images for dichromats based on an improved adaptive mapping algorithm. , 2008, , .		3
66	Contour Detection Based on Self-Organizing Feature Clustering. , 2007, , .		1
67	Anti-aircraft Missile Deployment Optimization Using Hopfield Neural Network. Neural Networks (IJCNN), International Joint Conference on, 2007, , .	0.0	1
68	Fault Diagnosis for Power Electronic System with Fault Gradation Using Assembly Neural Network Group. , 2007, , .		4
69	A New Approach to Image Authentication using Local Image Icon of Unit-linking PCNN. , 2006, , .		7
70	Image Shadow Removal Using Pulse Coupled Neural Network. IEEE Transactions on Neural Networks, 2005, 16, 692-698.	4.2	84
71	Orientation Detection and Attention Selection based Unit-linking PCNN. , 0, , .		1
72	A New Approach to Image Authentication using Local Image Icon of Unit-linking PCNN. , 0, , .		1