

Xiaodong Gu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5791881/publications.pdf>

Version: 2024-02-01

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	Towards dropout training for convolutional neural networks. <i>Neural Networks</i> , 2015, 71, 1-10.	5.9	204
2	Image Shadow Removal Using Pulse Coupled Neural Network. <i>IEEE Transactions on Neural Networks</i> , 2005, 16, 692-698.	4.2	84
3	Feature Extraction using Unit-linking Pulse Coupled Neural Network and its Applications. <i>Neural Processing Letters</i> , 2008, 27, 25-41.	3.2	66
4	Learning Dual Semantic Relations With Graph Attention for Image-Text Matching. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2021, 31, 2866-2879.	8.3	48
5	Cascaded Convolutional Neural Networks for Aspect-Based Opinion Summary. <i>Neural Processing Letters</i> , 2017, 46, 581-594.	3.2	38
6	Balancing between over-weighting and under-weighting in supervised term weighting. <i>Information Processing and Management</i> , 2017, 53, 547-557.	8.6	38
7	Histogram similarity measure using variable bin size distance. <i>Computer Vision and Image Understanding</i> , 2010, 114, 981-989.	4.7	31
8	Aspect-based Opinion Summarization with Convolutional Neural Networks. , 2016, , .		31
9	Face recognition approach by subspace extended sparse representation and discriminative feature learning. <i>Neurocomputing</i> , 2020, 373, 35-49.	5.9	30
10	Bridging multimedia heterogeneity gap via Graph Representation Learning for cross-modal retrieval. <i>Neural Networks</i> , 2021, 134, 143-162.	5.9	23
11	Embedding topological features into convolutional neural network salient object detection. <i>Neural Networks</i> , 2020, 121, 308-318.	5.9	22
12	Semantic Pre-alignment and Ranking Learning with Unified Framework for Cross-modal Retrieval. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2024, , 1-1.	8.3	16
13	Image quality assessment using edge and contrast similarity. , 2008, , .		15
14	Depth scale balance saliency detection with connective feature pyramid and edge guidance. <i>Applied Intelligence</i> , 2021, 51, 5775-5792.	5.3	14
15	Attention selection using global topological properties based on pulse coupled neural network. <i>Computer Vision and Image Understanding</i> , 2013, 117, 1400-1411.	4.7	12
16	Co-saliency detection with intra-group two-stage group semantics propagation and inter-group contrastive learning. <i>Knowledge-Based Systems</i> , 2022, 252, 109356.	7.1	10
17	Hand vein recognition using local block pattern. <i>Electronics Letters</i> , 2013, 49, 1614-1615.	1.0	9
18	Image captioning with adaptive incremental global context attention. <i>Applied Intelligence</i> , 2022, 52, 6575-6597.	5.3	9

#	ARTICLE	IF	CITATIONS
19	Single-image super-resolution with multilevel residual attention network. <i>Neural Computing and Applications</i> , 2020, 32, 15615-15628.	5.6	8
20	A New Approach to Image Authentication using Local Image Icon of Unit-linking PCNN. , 2006, , .		7
21	Palm-Dorsal Vein Recognition Method Based on Histogram of Local Gabor Phase XOR Pattern with Second Identification. <i>Journal of Signal Processing Systems</i> , 2013, 73, 101-107.	2.1	7
22	Hand vein identification using local Gabor ordinal measure. <i>Journal of Electronic Imaging</i> , 2014, 23, 053004.	0.9	7
23	Dynamic-balanced double-attention fusion for image captioning. <i>Engineering Applications of Artificial Intelligence</i> , 2022, 114, 105194.	8.1	7
24	Deep attentional fine-grained similarity network with adversarial learning for cross-modal retrieval. <i>Multimedia Tools and Applications</i> , 2020, 79, 31401-31428.	3.9	6
25	Video attention saliency mapping using pulse coupled neural network and optical flow. , 2014, , .		5
26	Scene image retrieval with siamese spatial attention pooling. <i>Neurocomputing</i> , 2020, 412, 252-261.	5.9	5
27	Salient Object Detection with Edge Recalibration. <i>Lecture Notes in Computer Science</i> , 2020, , 724-735.	1.3	5
28	Visual context learning based on textual knowledge for image-text retrieval. <i>Neural Networks</i> , 2022, 152, 434-449.	5.9	5
29	Fault Diagnosis for Power Electronic System with Fault Gradation Using Assembly Neural Network Group. , 2007, , .		4
30	A method for hand vein recognition based on Curvelet Transform phase feature. , 2011, , .		4
31	Face recognition algorithm based on feature descriptor and weighted linear sparse representation. <i>IET Image Processing</i> , 2019, 13, 2281-2293.	2.5	4
32	Re-coloring images for dichromats based on an improved adaptive mapping algorithm. , 2008, , .		3
33	Combining PCNN with color distribution entropy and vector gradient in feature extraction. , 2012, , .		3
34	Subspace clustering based on alignment and graph embedding. <i>Knowledge-Based Systems</i> , 2020, 188, 105029.	7.1	3
35	An Image Captioning Approach Using Dynamical Attention. , 2021, , .		3
36	Hybrid classification approach using extreme learning machine and sparse representation classifier with adaptive threshold. <i>IET Signal Processing</i> , 2018, 12, 811-818.	1.5	3

#	ARTICLE	IF	CITATIONS
37	Learning edges and adaptive surroundings for discriminant segmentation tracking. , 2022, 121, 103309.		3
38	Color-frequency-orientation histogram based image retrieval. , 2012, , .		2
39	PCNN-based image segmentation with contoured product mutual information criterion. , 2012, , .		2
40	Animal group behavioral model with Evasion Mechanism. , 2014, , .		2
41	Support vector machine equipped with deep convolutional features for product reviews classification. , 2017, , .		2
42	Learning Cross-Modal Aligned Representation With Graph Embedding. IEEE Access, 2018, 6, 77321-77333.	4.2	2
43	SBN: Scale Balance Network for Accurate Salient Object Detection. , 2020, , .		2
44	Hybrid Attention Driven Text-to-Image Synthesis via Generative Adversarial Networks. Lecture Notes in Computer Science, 2019, , 483-495.	1.3	2
45	Algorithm using supervised subspace learning and non-local representation for pose variation recognition. IET Computer Vision, 2020, 14, 528-537.	2.0	2
46	Orientation Detection and Attention Selection based Unit-linking PCNN. , 0, , .		1
47	A New Approach to Image Authentication using Local Image Icon of Unit-linking PCNN. , 0, , .		1
48	Contour Detection Based on Self-Organizing Feature Clustering. , 2007, , .		1
49	Anti-aircraft Missile Deployment Optimization Using Hopfield Neural Network. Neural Networks (IJCNN), International Joint Conference on, 2007, , .	0.0	1
50	A model-oriented road detection approach using fuzzy SVM. Journal of Electronics, 2010, 27, 795-800.	0.2	1
51	Pulse Coupled Neural Network based topological properties applied in attention saliency detection. , 2010, , .		1
52	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
53	Visual saliency using unit-linking PCNN image segmentation. , 2017, , .		1
54	Multi ROI and Multi Map Networks for Accurate and Efficient Pedestrian Detection. , 2018, , .		1

#	ARTICLE	IF	CITATIONS
55	Deep supervised visual saliency model addressing low-level features. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 15659-15672.	4.9	1
56	Dual Semantic Relationship Attention Network for Image-Text Matching. , 2020, , .		1
57	Single Image Super-Resolution with Hierarchical Receptive Field. , 2020, , .		1
58	Context-aware network with foreground recalibration for grounding natural language in video. Neural Computing and Applications, 2021, 33, 10485-10502.	5.6	1
59	Face recognition using feature coding and nonlocal constraint-based sparse representation classifier. Journal of Electronic Imaging, 2018, 27, 1.	0.9	1
60	A Supervised Term Weighting Scheme for Multi-class Text Categorization. Lecture Notes in Computer Science, 2017, , 436-447.	1.3	1
61	Deep Residual-Dense Attention Network for Image Super-Resolution. Communications in Computer and Information Science, 2019, , 3-10.	0.5	1
62	Group Loss: An Efficient Strategy for Salient Object Detection. Communications in Computer and Information Science, 2019, , 104-111.	0.5	1
63	Attention selection model using Weight Adjusted Topological properties and quantification evaluating criterion. , 2011, , .		0
64	Moving object attention selection using optical flow and pulse coupled neural network. , 2017, , .		0
65	A new supervised image classification using data set partition. , 2017, , .		0
66	Cross-modal Metric Learning with Graph Embedding. , 2018, , .		0
67	Enhancing Separate Encoding with Multi-layer Feature Alignment for Image-Text Matching. Lecture Notes in Computer Science, 2021, , 403-414.	1.3	0
68	Subspace Constraint for Single Image Super-Resolution. Lecture Notes in Computer Science, 2021, , 395-407.	1.3	0
69	FCN Salient Object Detection Using Region Cropping. Lecture Notes in Computer Science, 2019, , 360-370.	1.3	0
70	Enriched Feature Representation and Combination for Deep Saliency Detection. Lecture Notes in Computer Science, 2020, , 699-710.	1.3	0
71	End-to-end Saliency-Guided Deep Image Retrieval. Communications in Computer and Information Science, 2020, , 402-409.	0.5	0
72	Semantic Modulation Based Residual Network for Temporal Language Queries Grounding in Video. Lecture Notes in Computer Science, 2020, , 119-129.	1.3	0