

Sicheng Zhao

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/403753/publications.pdf>

Version: 2024-02-01

72
papers

2,890
citations

279798
23
h-index

315739
38
g-index

72
all docs

72
docs citations

72
times ranked

1703
citing authors

#	ARTICLE	IF	CITATIONS
1	SqueezeSegV2: Improved Model Structure and Unsupervised Domain Adaptation for Road-Object Segmentation from a LiDAR Point Cloud. , 2019, , .		349
2	Exploring Principles-of-Art Features For Image Emotion Recognition. , 2014, , .		234
3	Domain Randomization and Pyramid Consistency: Simulation-to-Real Generalization Without Accessing Target Domain Data. , 2019, , .		177
4	Continuous Probability Distribution Prediction of Image Emotions via Multitask Shared Sparse Regression. IEEE Transactions on Multimedia, 2017, 19, 632-645.	7.2	166
5	A Review of Single-Source Deep Unsupervised Visual Domain Adaptation. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 473-493.	11.3	123
6	Predicting Personalized Image Emotion Perceptions in Social Networks. IEEE Transactions on Affective Computing, 2018, 9, 526-540.	8.3	110
7	Multi-Source Distilling Domain Adaptation. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 12975-12983.	4.9	91
8	Real-Time Multimedia Social Event Detection in Microblog. IEEE Transactions on Cybernetics, 2018, 48, 3218-3231.	9.5	88
9	Predicting Personalized Emotion Perceptions of Social Images. , 2016, , .		83
10	Affective Image Retrieval via Multi-Graph Learning. , 2014, , .		79
11	View-based 3D object retrieval via multi-modal graph learning. Signal Processing, 2015, 112, 110-118.	3.7	73
12	Personality-Assisted Multi-Task Learning for Generic and Personalized Image Aesthetics Assessment. IEEE Transactions on Image Processing, 2020, 29, 3898-3910.	9.8	72
13	Emotion Recognition From Multiple Modalities: Fundamentals and methodologies. IEEE Signal Processing Magazine, 2021, 38, 59-73.	5.6	55
14	EmotionGAN. , 2018, , .		51
15	Real-Time Scalable Visual Tracking via Quadrangle Kernelized Correlation Filters. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 140-150.	8.0	49
16	Affective Image Content Analysis: A Comprehensive Survey. , 2018, , .		49
17	Affective Image Content Analysis: Two Decades Review and New Perspectives. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 6729-6751.	13.9	47
18	Affective Computing for Large-scale Heterogeneous Multimedia Data. ACM Transactions on Multimedia Computing, Communications and Applications, 2019, 15, 1-32.	4.3	43

#	ARTICLE	IF	CITATIONS
19	PDANet. , 2019, , .		42
20	Discrete Probability Distribution Prediction of Image Emotions with Shared Sparse Learning. IEEE Transactions on Affective Computing, 2020, 11, 574-587.	8.3	41
21	Video classification and recommendation based on affective analysis of viewers. Neurocomputing, 2013, 119, 101-110.	5.9	40
22	Neural Image Caption Generation with Weighted Training and Reference. Cognitive Computation, 2019, 11, 763-777.	5.2	40
23	Approximating Discrete Probability Distribution of Image Emotions by Multi-Modal Features Fusion. , 2017, , .		40
24	C-GCN: Correlation Based Graph Convolutional Network for Audio-Video Emotion Recognition. IEEE Transactions on Multimedia, 2021, 23, 3793-3804.	7.2	38
25	Show, Observe and Tell: Attribute-driven Attention Model for Image Captioning. , 2018, , .		37
26	Zero-Shot Emotion Recognition via Affective Structural Embedding. , 2019, , .		36
27	Multi-Source Domain Adaptation for Visual Sentiment Classification. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 2661-2668.	4.9	36
28	CycleEmotionGAN: Emotional Semantic Consistency Preserved CycleGAN for Adapting Image Emotions. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 2620-2627.	4.9	35
29	Predicting discrete probability distribution of image emotions. , 2015, , .		33
30	Personalized Emotion Recognition by Personality-Aware High-Order Learning of Physiological Signals. ACM Transactions on Multimedia Computing, Communications and Applications, 2019, 15, 1-18.	4.3	33
31	Multimedia Social Event Detection in Microblog. Lecture Notes in Computer Science, 2015, , 269-281.	1.3	31
32	Personalized Image Aesthetics Assessment via Meta-Learning With Bilevel Gradient Optimization. IEEE Transactions on Cybernetics, 2022, 52, 1798-1811.	9.5	29
33	Logo information recognition in large-scale social media data. Multimedia Systems, 2016, 22, 63-73.	4.7	28
34	MADAN: Multi-source Adversarial Domain Aggregation Network for Domain Adaptation. International Journal of Computer Vision, 2021, 129, 2399-2424.	15.6	27
35	Predicting Continuous Probability Distribution of Image Emotions in Valence-Arousal Space. , 2015, , .		27
36	Personality-Aware Personalized Emotion Recognition from Physiological Signals. , 2018, , .		27

#	ARTICLE	IF	CITATIONS
37	Action recognition with multi-scale trajectory-pooled 3D convolutional descriptors. Multimedia Tools and Applications, 2019, 78, 507-523.	3.9	25
38	Multi-modal microblog classification via multi-task learning. Multimedia Tools and Applications, 2016, 75, 8921-8938.	3.9	24
39	Large-scale image retrieval with Sparse Embedded Hashing. Neurocomputing, 2017, 257, 24-36.	5.9	23
40	Attention-Aware Polarity Sensitive Embedding for Affective Image Retrieval. , 2019, , .		23
41	Flexible Presentation of Videos Based on Affective Content Analysis. Lecture Notes in Computer Science, 2013, , 368-379.	1.3	21
42	Emotion based image musicalization. , 2014, , .		19
43	Evaluating attributed personality traits from scene perception probability. Pattern Recognition Letters, 2018, 116, 121-126.	4.2	14
44	lExpressNet. , 2020, , .		14
45	Guest Editorial: Large-scale 3D Multimedia Analysis and Applications. Multimedia Tools and Applications, 2018, 77, 22897-22900.	3.9	13
46	Personality Driven Multi-task Learning for Image Aesthetic Assessment. , 2019, , .		12
47	Emotion-Based End-to-End Matching Between Image and Music in Valence-Arousal Space. , 2020, , .		11
48	Representing dense crowd patterns using bag of trajectory graphs. Signal, Image and Video Processing, 2014, 8, 173-181.	2.7	10
49	Deep Correlated Joint Network for 2-D Image-Based 3-D Model Retrieval. IEEE Transactions on Cybernetics, 2022, 52, 1862-1871.	9.5	10
50	Computational Emotion Analysis From Images: Recent Advances and Future Directions. , 2022, , 85-113.		10
51	Affective Video Classification Based on Spatio-temporal Feature Fusion. , 2011, , .		9
52	Curriculum CycleGAN for Textual Sentiment Domain Adaptation with Multiple Sources. , 2021, , .		9
53	Towards more efficient and flexible face image deblurring using robust salient face landmark detection. Multimedia Tools and Applications, 2017, 76, 123-142.	3.9	8
54	Learning Descriptors With Cube Loss for View-Based 3-D Object Retrieval. IEEE Transactions on Multimedia, 2019, 21, 2071-2082.	7.2	8

#	ARTICLE	IF	CITATIONS
55	APSE: Attention-Aware Polarity-Sensitive Embedding for Emotion-Based Image Retrieval. IEEE Transactions on Multimedia, 2021, 23, 4469-4482.	7.2	8
56	An improved ridge regression algorithm and its application in predicting TV ratings. Multimedia Tools and Applications, 2019, 78, 525-536.	3.9	7
57	Discovering Latent Discriminative Patterns for Multi-Mode Event Representation. IEEE Transactions on Multimedia, 2019, 21, 1425-1436.	7.2	6
58	Emotional Semantics-Preserved and Feature-Aligned CycleGAN for Visual Emotion Adaptation. IEEE Transactions on Cybernetics, 2022, 52, 10000-10013.	9.5	6
59	ACMNet. ACM Transactions on Multimedia Computing, Communications and Applications, 2020, 16, 1-21.	4.3	6
60	Discovering discriminative patches for free-hand sketch analysis. Multimedia Systems, 2017, 23, 691-701.	4.7	5
61	Distinctive action sketch. , 2015, , .		4
62	Image Emotion Computing. , 2016, , .		4
63	Crowd video retrieval via deep attribute-embedding graph ranking. , 2016, , .		3
64	Event patches: Mining effective parts for event detection and understanding. Signal Processing, 2018, 149, 82-87.	3.7	3
65	Rediscover flowers structurally. Multimedia Tools and Applications, 2018, 77, 7851-7863.	3.9	3
66	Modeling long-term video semantic distribution for temporal action proposal generation. Neurocomputing, 2022, 490, 217-225.	5.9	3
67	A VHR scene classification method integrating sparse PCA and saliency computing. , 2016, , .		2
68	Off-the-shelf CNN features for 3D object retrieval. Multimedia Tools and Applications, 2018, 77, 19833-19849.	3.9	2
69	Exploring part-aware segmentation for fine-grained visual categorization. Multimedia Tools and Applications, 2018, 77, 30291-30310.	3.9	2
70	Introduction to the Special Issue on MMAC: Multimodal Affective Computing of Large-Scale Multimedia Data. IEEE MultiMedia, 2021, 28, 8-10.	1.7	2
71	Strategy for aesthetic photography recommendation via collaborative composition model. IET Computer Vision, 2015, 9, 691-698.	2.0	1
72	Mining representative actions for actor identification. , 2016, , .		1