

Lin Zhang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4483540/publications.pdf>

Version: 2024-02-01

84
papers

8,641
citations

346980

22
h-index

223390

49
g-index

89
all docs

89
docs citations

89
times ranked

5734
citing authors

#	ARTICLE	IF	CITATIONS
1	SLAM for Indoor Parking: A Comprehensive Benchmark Dataset and a Tightly Coupled Semantic Framework. ACM Transactions on Multimedia Computing, Communications and Applications, 2023, 19, 1-23.	3.0	0
2	MOFIS _{SLAM} : A Multi-Object Semantic SLAM System With Front-View, Inertial, and Surround-View Sensors for Indoor Parking. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 4788-4803.	5.6	6
3	Online Correction of Camera Poses for the Surround-view System: A Sparse Direct Approach. ACM Transactions on Multimedia Computing, Communications and Applications, 2022, 18, 1-24.	3.0	1
4	Global Localization With a Single-Line LiDAR by Dense 2D Signature and 1D Registration. IEEE Sensors Journal, 2021, 21, 11497-11506.	2.4	8
5	Learning Compact Multifeature Codes for Palmprint Recognition From a Single Training Image per Palm. IEEE Transactions on Multimedia, 2021, 23, 2930-2942.	5.2	37
6	Research Review on Parking Space Detection Method. Symmetry, 2021, 13, 128.	1.1	13
7	RefineDNet: A Weakly Supervised Refinement Framework for Single Image Dehazing. IEEE Transactions on Image Processing, 2021, 30, 3391-3404.	6.0	145
8	Towards Robust Autonomous Coverage Navigation for Carlike Robots. IEEE Robotics and Automation Letters, 2021, 6, 8742-8749.	3.3	2
9	Simulation of Atmospheric Visibility Impairment. IEEE Transactions on Image Processing, 2021, 30, 8713-8726.	6.0	1
10	ROECS: A Robust Semi-direct Pipeline Towards Online Extrinsic Correction of the Surround-view System. , 2021, , .		3
11	Towards Automatic Image Exposure Level Assessment. Mathematical Problems in Engineering, 2020, 2020, 1-14.	0.6	1
12	Revisit Retinex Theory: Towards a Lightness-Aware Restorer for Underexposed Images. Mathematical Problems in Engineering, 2020, 2020, 1-11.	0.6	3
13	Towards Automatic Depression Detection: A BiLSTM/1D CNN-Based Model. Applied Sciences (Switzerland), 2020, 10, 8701.	1.3	28
14	A Study Of Parking-Slot Detection With The Aid Of Pixel-Level Domain Adaptation. , 2020, , .		3
15	Dehazing Evaluation: Real-World Benchmark Datasets, Criteria, and Baselines. IEEE Transactions on Image Processing, 2020, 29, 6947-6962.	6.0	69
16	GAN-Based Image Super-Resolution with a Novel Quality Loss. Mathematical Problems in Engineering, 2020, 2020, 1-12.	0.6	21
17	A Tightly-coupled Semantic SLAM System with Visual, Inertial and Surround-view Sensors for Autonomous Indoor Parking. , 2020, , .		7
18	Robust and Unobtrusive Display-to-Camera Communications via Blue Channel Embedding. IEEE Transactions on Image Processing, 2019, 28, 156-169.	6.0	20

#	ARTICLE	IF	CITATIONS
19	DMPR-PS: A Novel Approach for Parking-Slot Detection Using Directional Marking-Point Regression. , 2019, , .		33
20	Evaluation of Defogging: A Real-World Benchmark Dataset, A New Criterion and Baselines. , 2019, , .		12
21	Online Camera Pose Optimization for the Surround-view System. , 2019, , .		7
22	Seamless 3D Surround View with a Novel Burger Model. , 2019, , .		8
23	Pay By Showing Your Palm: A Study of Palmprint Verification on Mobile Platforms. , 2019, , .		11
24	Multi-Dictionary Based Collaborative Representation: With Applications to 3D Ear and 3D Palmprint Identification. Mathematical Problems in Engineering, 2019, 2019, 1-13.	0.6	0
25	Super-Resolution for Monocular Depth Estimation With Multi-Scale Sub-Pixel Convolutions and a Smoothness Constraint. IEEE Access, 2019, 7, 16323-16335.	2.6	20
26	A CNN-Based Depth Estimation Approach with Multi-scale Sub-pixel Convolutions and a Smoothness Constraint. Lecture Notes in Computer Science, 2019, , 365-380.	1.0	0
27	Image Exposure Assessment: A Benchmark and a Deep Convolutional Neural Networks Based Model. , 2018, , .		2
28	Vision-Based Parking-Slot Detection: A Benchmark and A Learning-Based Approach. Symmetry, 2018, 10, 64.	1.1	18
29	Palmprint and Palmvein Recognition Based on DCNN and A New Large-Scale Contactless Palmvein Dataset. Symmetry, 2018, 10, 78.	1.1	73
30	Vision-Based Parking-Slot Detection: A DCNN-Based Approach and a Large-Scale Benchmark Dataset. IEEE Transactions on Image Processing, 2018, 27, 5350-5364.	6.0	83
31	Towards contactless palmprint recognition: A novel device, a new benchmark, and a collaborative representation based identification approach. Pattern Recognition, 2017, 69, 199-212.	5.1	161
32	Image set classification based on synthetic examples and reverse training. Neurocomputing, 2017, 228, 3-10.	3.5	5
33	Vision-based parking-slot detection: A benchmark and a learning-based approach. , 2017, , .		44
34	The Hasp Motif: A New Type of RNA Tertiary Interactions. Lecture Notes in Computer Science, 2017, , 441-453.	1.0	1
35	Salient object detection using coarse-to-fine processing. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2017, 34, 370.	0.8	2
36	Salient Region Detection by Fusing Foreground and Background Cues Extracted from Single Image. Mathematical Problems in Engineering, 2016, 2016, 1-18.	0.6	2

#	ARTICLE	IF	CITATIONS
37	Saliency-based image quality assessment metric. , 2016, , .		5
38	3D Ear Identification Using Block-Wise Statistics-Based Features and LC-KSVD. IEEE Transactions on Multimedia, 2016, 18, 1531-1541.	5.2	14
39	Gene function prediction with knowledge from gene ontology. International Journal of Data Mining and Bioinformatics, 2015, 13, 50.	0.1	2
40	3D Palmprint Identification Using Block-Wise Features and Collaborative Representation. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2015, 37, 1730-1736.	9.7	64
41	A Feature-Enriched Completely Blind Image Quality Evaluator. IEEE Transactions on Image Processing, 2015, 24, 2579-2591.	6.0	770
42	Reconstruction of indoor scene from a single image. Proceedings of SPIE, 2015, , .	0.8	0
43	3D ear identification using LC-KSVD and local histograms of surface types. , 2015, , .		0
44	The Î»-Turn: A New Structural Motif in Ribosomal RNA. Lecture Notes in Computer Science, 2015, , 456-466.	1.0	2
45	3D Face Recognition Based on Multiple Keypoint Descriptors and Sparse Representation. PLoS ONE, 2014, 9, e100120.	1.1	22
46	Training Quality-Aware Filters for No-Reference Image Quality Assessment. IEEE MultiMedia, 2014, 21, 67-75.	1.5	36
47	Learning quality-aware filters for no-reference image quality assessment. , 2014, , .		6
48	3DMKDSRC: A novel approach for 3D face recognition. , 2014, , .		1
49	Integration of multiple orientation and texture information for finger-knuckle-print verification. Neurocomputing, 2014, 135, 180-191.	3.5	105
50	VSI: A Visual Saliency-Induced Index for Perceptual Image Quality Assessment. IEEE Transactions on Image Processing, 2014, 23, 4270-4281.	6.0	749
51	Characterisation of semantic similarity on gene ontology based on a shortest path approach. International Journal of Data Mining and Bioinformatics, 2014, 10, 33.	0.1	4
52	Integrating Visual Saliency Information into Objective Quality Assessment of Tone-Mapped Images. Lecture Notes in Computer Science, 2014, , 376-386.	1.0	5
53	3D Ear Identification Based on Sparse Representation. PLoS ONE, 2014, 9, e95506.	1.1	17
54	Reconstruction Based Finger-Knuckle-Print Verification With Score Level Adaptive Binary Fusion. IEEE Transactions on Image Processing, 2013, 22, 5050-5062.	6.0	40

#	ARTICLE	IF	CITATIONS
55	Learning a blind image quality index based on visual saliency guided sampling and Gabor filtering. , 2013, , .		10
56	Is local dominant orientation necessary for the classification of rotation invariant texture?. Neurocomputing, 2013, 116, 182-191.	3.5	14
57	RNA structural motif recognition based on least-squares distance. Rna, 2013, 19, 1183-1191.	1.6	2
58	SR-LLA: A novel spectral reconstruction method based on locally linear approximation. , 2013, , .		7
59	SDSP: A novel saliency detection method by combining simple priors. , 2013, , .		121
60	A novel 3D ear identification approach based on sparse representation. , 2013, , .		6
61	Efficient 3D Reconstruction for Urban Scenes. Lecture Notes in Computer Science, 2013, , 546-555.	1.0	1
62	Improving Classification Accuracy Using Gene Ontology Information. Communications in Computer and Information Science, 2013, , 171-176.	0.4	0
63	Real-Time Visual Tracking Based on an Appearance Model and a Motion Mode. Lecture Notes in Computer Science, 2013, , 533-540.	1.0	0
64	A comprehensive evaluation of full reference image quality assessment algorithms. , 2012, , .		138
65	Binary Gabor pattern: An efficient and robust descriptor for texture classification. , 2012, , .		63
66	SR-SIM: A fast and high performance IQA index based on spectral residual. , 2012, , .		163
67	Fragile Bits in Palmprint Recognition. IEEE Signal Processing Letters, 2012, 19, 663-666.	2.1	105
68	Encoding local image patterns using Riesz transforms: With applications to palmprint and finger-knuckle-print recognition. Image and Vision Computing, 2012, 30, 1043-1051.	2.7	60
69	Texture Image Classification Using Complex Texton. Lecture Notes in Computer Science, 2012, , 98-104.	1.0	1
70	Entropy Based Image Semantic Cycle for Image Classification. Lecture Notes in Computer Science, 2012, , 533-540.	1.0	0
71	Phase congruency induced local features for finger-knuckle-print recognition. Pattern Recognition, 2012, 45, 2522-2531.	5.1	107
72	Manifold Analysis of Spectral Munsell Colors. Lecture Notes in Computer Science, 2012, , 543-550.	1.0	0

#	ARTICLE	IF	CITATIONS
73	FSIM: A Feature Similarity Index for Image Quality Assessment. IEEE Transactions on Image Processing, 2011, 20, 2378-2386.	6.0	3,728
74	Ensemble of local and global information for finger-knuckle-print recognition. Pattern Recognition, 2011, 44, 1990-1998.	5.1	185
75	A Novel Riesz Transforms Based Coding Scheme for Finger-Knuckle-Print Recognition. , 2011, , .		7
76	Online finger-knuckle-print verification for personal authentication. Pattern Recognition, 2010, 43, 2560-2571.	5.1	303
77	Retinal vessel extraction by matched filter with first-order derivative of Gaussian. Computers in Biology and Medicine, 2010, 40, 438-445.	3.9	444
78	RFSIM: A feature based image quality assessment metric using Riesz transforms. , 2010, , .		145
79	Monogenic Binary Pattern (MBP): A Novel Feature Extraction and Representation Model for Face Recognition. , 2010, , .		30
80	Monogenic-LBP: A new approach for rotation invariant texture classification. , 2010, , .		48
81	MonogenicCode: A Novel Fast Feature Coding Algorithm with Applications to Finger-Knuckle-Print Recognition. , 2010, , .		29
82	A Multi-scale Bilateral Structure Tensor Based Corner Detector. Lecture Notes in Computer Science, 2010, , 618-627.	1.0	17
83	Finger-Knuckle-Print Verification Based on Band-Limited Phase-Only Correlation. Lecture Notes in Computer Science, 2009, , 141-148.	1.0	89
84	Finger-knuckle-print: A new biometric identifier. , 2009, , .		126