

Guoliang Fan

List of Publications by Year in descending order

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Version: 2024-02-01

102
papers

1,137
citations

623734

14
h-index

580821

25
g-index

102
all docs

102
docs citations

102
times ranked

976
citing authors

#	ARTICLE	IF	CITATIONS
1	Wavelet-based texture analysis and synthesis using hidden markov models. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2003, 50, 106-120.	0.1	123
2	An efficient blood vessel detection algorithm for retinal images using local entropy thresholding. , 0, , ,		99
3	A new JPEG2000 region-of-interest image coding method: partial significant bitplanes shift. IEEE Signal Processing Letters, 2003, 10, 35-38.	3.6	80
4	Articulated and Generalized Gaussian Kernel Correlation for Human Pose Estimation. IEEE Transactions on Image Processing, 2016, 25, 776-789.	9.8	67
5	Combined key-frame extraction and object-based video segmentation. IEEE Transactions on Circuits and Systems for Video Technology, 2005, 15, 869-884.	8.3	62
6	Non-rigid Point Set Registration with Global-Local Topology Preservation. , 2014, , ,		46
7	Graphical Models for Joint Segmentation and Recognition of License Plate Characters. IEEE Signal Processing Letters, 2009, 16, 10-13.	3.6	40
8	SVM-Based Data Editing for Enhanced One-Class Classification of Remotely Sensed Imagery. IEEE Geoscience and Remote Sensing Letters, 2008, 5, 189-193.	3.1	26
9	Automatic CRP mapping using nonparametric machine learning approaches. IEEE Transactions on Geoscience and Remote Sensing, 2005, 43, 888-897.	6.3	24
10	Learning deep transmission network for single image dehazing. , 2016, , ,		24
11	Automatic Target Recognition in Infrared Imagery Using Dense HOG Features and Relevance Grouping of Vocabulary. , 2014, , ,		23
12	Optimal Transmission Estimation via Fog Density Perception for Efficient Single Image Defogging. IEEE Transactions on Multimedia, 2018, 20, 1699-1711.	7.2	23
13	Segmental Hidden Markov Models for View-based Sport Video Analysis. , 2007, , ,		19
14	Concave-convex local binary features for automatic target recognition in infrared imagery. Eurasip Journal on Image and Video Processing, 2014, 2014, ,	2.6	18
15	Improved Local Ternary Patterns for Automatic Target Recognition in Infrared Imagery. Sensors, 2015, 15, 6399-6418.	3.8	18
16	Adaptive Kalman Filtering for Histogram-Based Appearance Learning in Infrared Imagery. IEEE Transactions on Image Processing, 2012, 21, 4622-4635.	9.8	17
17	Real-Time Automatic Obstacle Detection method for Traffic Surveillance in Urban Traffic. Journal of Signal Processing Systems, 2016, 82, 357-371.	2.1	17
18	Joint Key-Frame Extraction and Object-Based Video Segmentation. , 2005, , ,		15

#	ARTICLE	IF	CITATIONS
19	Target Tracking with Online Feature Selection in FLIR Imagery. , 2007, , .		15
20	Joint Target Tracking, Recognition and Segmentation for Infrared Imagery Using a Shape Manifold-Based Level Set. Sensors, 2014, 14, 10124-10145.	3.8	14
21	Video-Based Human Walking Estimation Using Joint Gait and Pose Manifolds. IEEE Transactions on Circuits and Systems for Video Technology, 2017, 27, 1540-1554.	8.3	14
22	Automated target tracking and recognition using coupled view and identity manifolds for shape representation. Eurasip Journal on Advances in Signal Processing, 2011, 2011, .	1.7	12
23	Joint view-identity manifold for infrared target tracking and recognition. Computer Vision and Image Understanding, 2014, 118, 211-224.	4.7	12
24	Non-rigid articulated point set registration with Local Structure Preservation. , 2015, , .		12
25	Task-Adaptive Embedding Learning with Dynamic Kernel Fusion for Few-Shot Remote Sensing Scene Classification. Remote Sensing, 2021, 13, 4200.	4.0	12
26	A ν -Insensitive SVM Approach for Compliance Monitoring of the Conservation Reserve Program. IEEE Geoscience and Remote Sensing Letters, 2005, 2, 99-103.	3.1	11
27	Articulated Non-Rigid Point Set Registration for Human Pose Estimation from 3D Sensors. Sensors, 2015, 15, 15218-15245.	3.8	11
28	Correction to "Hybrid Retinal Image Registration". IEEE Transactions on Information Technology in Biomedicine, 2007, 11, 110-110.	3.2	10
29	Generative Model for Maneuvering Target Tracking. IEEE Transactions on Aerospace and Electronic Systems, 2010, 46, 635-655.	4.7	10
30	Joint Infrared Target Recognition and Segmentation Using a Shape Manifold-Aware Level Set. Sensors, 2015, 15, 10118-10145.	3.8	10
31	Postprocessing of low bit-rate wavelet-based image coding using multiscale edge characterization. IEEE Transactions on Circuits and Systems for Video Technology, 2001, 11, 1263-1272.	8.3	9
32	Joint Segmentation and Recognition of License Plate Characters. , 2007, , .		9
33	Two-Layer Generative Models for Sport Video Mining. , 2007, , .		9
34	Articulated Gaussian kernel correlation for human pose estimation. , 2015, , .		9
35	Topology-aware non-rigid point set registration via global-local topology preservation. Machine Vision and Applications, 2019, 30, 717-735.	2.7	9
36	DrsNet: Dual-resolution semantic segmentation with rare class-oriented superpixel prior. Multimedia Tools and Applications, 2021, 80, 1687-1706.	3.9	9

#	ARTICLE	IF	CITATIONS
37	Camera View-Based American Football Video Analysis. , 2006, , .		8
38	Joint gait-pose manifold for video-based human motion estimation. , 2011, , .		8
39	Semantics-enhanced supervised deep autoencoder for depth image-based 3D model retrieval. Pattern Recognition Letters, 2019, 125, 806-812.	4.2	8
40	Learning deep transmission network for efficient image dehazing. Multimedia Tools and Applications, 2019, 78, 213-236.	3.9	8
41	A study of supervised, semi-supervised and unsupervised multiscale Bayesian image segmentation. , 0, , .		7
42	Non-rigid Articulated Point Set Registration for Human Pose Estimation. , 2015, , .		7
43	Filter Guided Manifold Optimization in the Autoencoder Latent Space. , 2019, , .		7
44	Human Motion Enhancement Using Nonlinear Kalman Filter Assisted Convolutional Autoencoders. , 2020, , .		7
45	Key-frame extraction for Object-based Video Segmentation. , 0, , .		6
46	Gaussian process for human motion modeling: A comparative study. , 2011, , .		6
47	New local edge binary patterns for image retrieval. , 2013, , .		6
48	Hybrid body representation for integrated pose recognition, localization and segmentation. , 2008, , .		5
49	Dual domain auxiliary particle filter with integrated target signature update. , 2009, , .		5
50	Structure-guided manifold learning for video-based motion estimation. , 2012, , .		5
51	Joint view-identity manifold for target tracking and recognition. , 2012, , .		5
52	Robust dual-band MWIR/LWIR infrared target tracking. , 2014, , .		5
53	Heterogeneous structure fusion for Target Recognition in infrared imagery. , 2015, , .		5
54	Generalized Sum of Gaussians for Real-Time Human Pose Tracking from a Single Depth Sensor. , 2015, , .		5

#	ARTICLE	IF	CITATIONS
55	A Hybrid Approach to Human Motion Enhancement under Kinematic and Anthropometric Constraints. , 2020, , .		5
56	Joint Optimization of Kinematics and Anthropometrics for Human Motion Denoising. IEEE Sensors Journal, 2022, 22, 4386-4399.	4.7	5
57	Multi-view Face Recognition by Nonlinear Tensor Decomposition. , 2008, , .		4
58	Joint target tracking and recognition using view and identity manifolds. , 2011, , .		4
59	Robust object detection by cuboid matching with local plane optimization in indoor RGB-D images. , 2017, , .		4
60	Human Motion Enhancement via Joint Optimization of Kinematic and Anthropometric Constraints. EAI Endorsed Transactions on Bioengineering and Bioinformatics, 2021, 1, 169181.	0.9	4
61	Human Motion Enhancement via Tobit Kalman Filter-Assisted Autoencoder. IEEE Access, 2022, 10, 29233-29251.	4.2	4
62	A new method for JPEG2000 region-of-interest image coding: most significant bitplanes shift. , 0, , .		3
63	Multi-layer joint gait-pose manifold for human motion modeling. , 2013, , .		3
64	Supervised Deep-Autoencoder for Depth Image-Based 3D Model Retrieval. , 2018, , .		3
65	CCDA: a concise corner detection algorithm. Machine Vision and Applications, 2019, 30, 1029-1040.	2.7	3
66	Online Reconstruction of Indoor Scenes With Local Manhattan Frame Growing. , 2019, , .		3
67	Human Motion Enhancement via Tobit Particle Filtering and Differential Evolution. , 2021, , .		3
68	Constrained Optimization for Retinal Curvature Estimation Using an Affine Camera. , 2007, , .		2
69	Combining spatial and temporal priors for articulated human tracking with online learning. , 2009, , .		2
70	Appearance learning by adaptive Kalman filters for FLIR tracking. , 2009, , .		2
71	Two-layer generative models for estimating unknown gait kinematics. , 2009, , .		2
72	Simultaneous target recognition, segmentation and pose estimation. , 2013, , .		2

#	ARTICLE	IF	CITATIONS
73	Infrared target tracking, recognition and segmentation using shape-aware level set. , 2013, , .		2
74	Sequential non-rigid point registration for 3D human pose tracking. , 2015, , .		2
75	Topic Modeling Based Image Clustering by Events in Social Media. Scientific Programming, 2016, 2016, 1-7.	0.7	2
76	Dual Graphical Models for Relational Modeling of Indoor Object Categories. , 2019, , .		2
77	Image patch prior learning based on random neighbourhood resampling for image denoising. IET Image Processing, 2020, 14, 838-844.	2.5	2
78	Rare Class Oriented Scene Labeling Using CNN Incorporated Label Transfer. Lecture Notes in Computer Science, 2016, , 309-320.	1.3	2
79	ManhattanFusion: Online Dense Reconstruction of Indoor Scenes From Depth Sequences. IEEE Transactions on Visualization and Computer Graphics, 2022, 28, 2668-2681.	4.4	2
80	Egocentric Indoor Localization from Room Layouts and Image Outer Corners. , 2021, , .		2
81	A simplified quantization rate-distortion model for fast document image segmentation. , 0, , .		1
82	A New Video Analysis Approach for Coherent Key-frame Extraction and Object Segmentation. , 2005, , .		1
83	Perception Principles Guided Video Segmentation. , 2005, , .		1
84	A Comparative Study of Boosted and Adaptive Particle Filters for Affine-Invariant Target Detection and Tracking. , 0, , .		1
85	Generative Graphical Models for Maneuvering Object Tracking and Dynamics Analysis. , 2007, , .		1
86	Integrated target tracking and recognition via joint appearance-motion generative models. , 2008, , .		1
87	Dual generative models for human motion estimation from an uncalibrated monocular camera. , 2008, , .		1
88	Edge-aware integration model for semantic labeling of rare classes. , 2017, , .		1
89	Joint optimization and perceptual boosting of global and local contrast for efficient contrast enhancement. Multimedia Tools and Applications, 2018, 77, 2467-2484.	3.9	1
90	Creating 3D Bounding Box Hypotheses From Deep Network Score-Maps. , 2019, , .		1

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91	Online Manhattan Keyframe-based Dense Reconstruction from Indoor Depth Sequences. , 2019, , .		1
92	Holistic indoor scene understanding by context-supported instance segmentation. Multimedia Tools and Applications, 0, , 1.	3.9	1
93	A study of contextual modeling and texture characterization for multiscale Bayesian segmentation. , 0, , .		0
94	On capturing likelihood disparity for unsupervised image segmentation. , 0, , .		0
95	Real-time volumetric reconstruction of Manhattan indoor scenes from depth sequences. , 2017, , .		0
96	A rapid face detection method based on skin color model and local binary gradient feature. , 2018, , .		0
97	An Effective Sharpness Assessment Method For Shallow Depth-Of-Field Images. , 2021, , .		0
98	Locop: Local Collaborative Object Presence For Semantic Labeling Via Score Map Re-Inference. , 2021, , .		0
99	In-Lab Development of a Mobile Interface for Cognitive Assistive Technology to Support Instrumental Activities of Daily Living in Dementia Homecare. Journal of Aging and Environment, 2023, 37, 127-141.	1.1	0
100	Dual domain auxiliary particle filter with integrated target signature update. , 2009, , .		0
101	Appearance learning by adaptive Kalman filters for FLIR tracking. , 2009, , .		0
102	Joint Differential Evolution and Successive Convex Approximation in UAV-Enabled Mobile Edge Computing. IEEE Access, 2022, 10, 57413-57426.	4.2	0