

Jenq-Neng Hwang

List of Publications by Citations

Source: <https://exaly.com/author-pdf/6643397/jenq-neng-hwang-publications-by-citations.pdf>

Version: 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

171
papers

2,377
citations

24
h-index

40
g-index

229
ext. papers

3,284
ext. citations

4.4
avg, IF

5.59
L-index

#	Paper	IF	Citations
171	A Review on Video-Based Human Activity Recognition. <i>Computers</i> , 2013 , 2, 88-131	1.9	234
170	Fast and automatic video object segmentation and tracking for content-based applications. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2002 , 12, 122-129	6.4	156
169	CityFlow: A City-Scale Benchmark for Multi-Target Multi-Camera Vehicle Tracking and Re-Identification 2019 ,		84
168	Lipreading from color video. <i>IEEE Transactions on Image Processing</i> , 1997 , 6, 1192-5	8.7	79
167	. <i>IEEE Transactions on Multimedia</i> , 2015 , 17, 1429-1438	6.6	70
166	Tracking Live Fish From Low-Contrast and Low-Frame-Rate Stereo Videos. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2015 , 25, 167-179	6.4	52
165	Exploit the Connectivity 2019 ,		51
164	Exemplar-Based Video Inpainting Without Ghost Shadow Artifacts by Maintaining Temporal Continuity. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2009 , 19, 347-360	6.4	49
163	. <i>IEEE Transactions on Multimedia</i> , 2013 , 15, 1602-1615	6.6	48
162	GMNet: Graded-Feature Multilabel-Learning Network for RGB-Thermal Urban Scene Semantic Segmentation. <i>IEEE Transactions on Image Processing</i> , 2021 , 30, 7790-7802	8.7	47
161	Single-Camera and Inter-Camera Vehicle Tracking and 3D Speed Estimation Based on Fusion of Visual and Semantic Features 2018 ,		47
160	The cascade-correlation learning: a projection pursuit learning perspective. <i>IEEE Transactions on Neural Networks</i> , 1996 , 7, 278-89		46
159	OLM: Opportunistic Layered Multicasting for Scalable IPTV over Mobile WiMAX. <i>IEEE Transactions on Mobile Computing</i> , 2012 , 11, 453-463	4.6	42
158	Development of a quantitative intracranial vascular features extraction tool on 3D MRA using semiautomated open-curve active contour vessel tracing. <i>Magnetic Resonance in Medicine</i> , 2018 , 79, 3229-3238	4.4	37
157	Neural networks for intelligent multimedia processing. <i>Proceedings of the IEEE</i> , 1998 , 86, 1244-1272	14.3	36
156	. <i>IEEE Transactions on Multimedia</i> , 2020 , 1-1	6.6	36
155	IRFR-Net: Interactive Recursive Feature-Reshaping Network for Detecting Salient Objects in RGB-D Images. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , PP,	10.3	35

154	ECFFNet: Effective and Consistent Feature Fusion Network for RGB-T Salient Object Detection. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2021 , 1-1	6.4	33
153	Multimedia Networking: From Theory to Practice 2009 ,		32
152	QoS-Based Resource Allocation for Heterogeneous Multi-Radio Communication in Software-Defined Vehicle Networks. <i>IEEE Access</i> , 2018 , 6, 3387-3399	3.5	31
151	Robust speech recognition based on joint model and feature space optimization of hidden Markov models. <i>IEEE Transactions on Neural Networks</i> , 1997 , 8, 194-204		30
150	Hidden Markov Model Inversion for Audio-to-Visual Conversion in an MPEG-4 Facial Animation System. <i>Journal of Signal Processing Systems</i> , 2001 , 29, 51-61		30
149	The 2018 NVIDIA AI City Challenge 2018 ,		28
148	Automatic fish segmentation via double local thresholding for trawl-based underwater camera systems 2011 ,		26
147	Underwater Fish Tracking for Moving Cameras Based on Deformable Multiple Kernels. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2016 , 1-11	7.3	24
146	Ground-Moving-Platform-Based Human Tracking Using Visual SLAM and Constrained Multiple Kernels. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2016 , 17, 3602-3612	6.1	24
145	Adaptive particle sampling and adaptive appearance for multiple video object tracking. <i>Signal Processing</i> , 2009 , 89, 1844-1849	4.4	22
144	MOANA: An Online Learned Adaptive Appearance Model for Robust Multiple Object Tracking in 3D. <i>IEEE Access</i> , 2019 , 7, 31934-31945	3.5	21
143	Supervised and Unsupervised Feature Extraction Methods for Underwater Fish Species Recognition 2014 ,		20
142	Rate-Utility Optimized Streaming of Volumetric Media for Augmented Reality. <i>IEEE Journal on Emerging and Selected Topics in Circuits and Systems</i> , 2019 , 9, 149-162	5.2	20
141	Optimal DASH-Multicasting Over LTE. <i>IEEE Transactions on Vehicular Technology</i> , 2018 , 67, 4487-4500	6.8	19
140	Passive microwave remote sensing of snow constrained by hydrological simulations. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2001 , 39, 1744-1756	8.1	19
139	Scene-context-dependent reference-frame placement for MPEG video coding. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 1999 , 9, 478-489	6.4	19
138	Model-Based Vehicle Localization Based on 3-D Constrained Multiple-Kernel Tracking. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2015 , 25, 38-50	6.4	18
137	Online-Learning-Based Human Tracking Across Non-Overlapping Cameras. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2018 , 28, 2870-2883	6.4	18

136	Multi-Person Hierarchical 3D Pose Estimation in Natural Videos. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2020 , 30, 4245-4257	6.4	18
135	Automated measurements of fish within a trawl using stereo images from a Camera-Trawl device (CamTrawl). <i>Methods in Oceanography</i> , 2016 , 17, 138-152		17
134	. <i>IEEE Transactions on Multimedia</i> , 2021 , 1-1	6.6	16
133	Quantitative assessment of the intracranial vasculature in an older adult population using iCafe. <i>Neurobiology of Aging</i> , 2019 , 79, 59-65	5.6	15
132	Recognizing live fish species by hierarchical partial classification based on the exponential benefit 2014 ,		15
131	Dynamic frame-skipping in video transcoding		15
130	DD-CycleGAN: Unpaired image dehazing via Double-Discriminator Cycle-Consistent Generative Adversarial Network. <i>Engineering Applications of Artificial Intelligence</i> , 2019 , 82, 263-271	7.2	14
129	Camera self-calibration from tracking of moving persons 2016 ,		14
128	Human tracking over camera networks: a review. <i>Eurasip Journal on Advances in Signal Processing</i> , 2017 , 2017,	1.9	14
127	Multiple-kernel adaptive segmentation and tracking (MAST) for robust object tracking 2016 ,		14
126	Human tracking by adaptive Kalman filtering and multiple kernels tracking with projected gradients 2011 ,		13
125	Video Object Extraction for Object-Oriented Applications. <i>Journal of Signal Processing Systems</i> , 2001 , 29, 7-21		13
124	Joint Multi-View People Tracking and Pose Estimation for 3D Scene Reconstruction 2018 ,		13
123	Object tracking with sparse representation and annealed particle filter. <i>Signal, Image and Video Processing</i> , 2014 , 8, 1059-1068	1.6	12
122	3D intracranial artery segmentation using a convolutional autoencoder 2017 ,		12
121	Real-Time 3D Human Pose Estimation from Monocular View with Applications to Event Detection and Video Gaming 2010 ,		12
120	Three-dimensional object representation and invariant recognition using continuous distance transform neural networks. <i>IEEE Transactions on Neural Networks</i> , 1997 , 8, 141-7		12
119	Fully Unsupervised Learning of Camera Link Models for Tracking Humans Across Nonoverlapping Cameras. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2014 , 24, 979-994	6.4	11

118	Tracking across multiple cameras with overlapping views based on brightness and tangent transfer functions 2011 ,		11
117	A scalable VideoGIS system for GPS-guided vehicles. <i>Signal Processing: Image Communication</i> , 2005 , 20, 205-218	2.8	11
116	Reliable and fast fingerprint identification for security applications 2000 ,		11
115	Quantification of morphometry and intensity features of intracranial arteries from 3D TOF MRA using the intracranial artery feature extraction (iCafe): A reproducibility study. <i>Magnetic Resonance Imaging</i> , 2019 , 57, 293-302	3.3	11
114	Performance modeling of big data applications in the cloud centers. <i>Journal of Supercomputing</i> , 2017 , 73, 2258-2283	2.5	10
113	Smart Car [Application Notes]. <i>IEEE Computational Intelligence Magazine</i> , 2016 , 11, 46-58	5.6	10
112	Aggregated segmentation of fish from conveyor belt videos 2013 ,		10
111	Quality-of-content (QoC)-driven rate allocation for video analysis in mobile surveillance networks 2015 ,		10
110	Layered Video Resource Allocation in Mobile WiMAX Using Opportunistic Multicasting 2009 ,		10
109	Quality-Driven Joint Rate and Power Adaptation for Scalable Video Transmissions Over MIMO Systems. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2017 , 27, 366-379	6.4	9
108	Robust Human Tracking Based on DPM Constrained Multiple-Kernel from a Moving Camera. <i>Journal of Signal Processing Systems</i> , 2017 , 86, 27-39	1.4	9
107	Mapping the spatial distribution and time evolution of snow water equivalent with passive microwave measurements. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2003 , 41, 612-621	8.1	9
106	Traffic-Aware Multi-Camera Tracking of Vehicles Based on ReID and Camera Link Model 2020 ,		9
105	RODNet: A Real-Time Radar Object Detection Network Cross-Supervised by Camera-Radar Fused Object 3D Localization. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2021 , 15, 954-967	7.5	9
104	Closed-Loop Tracking-by-Detection for ROV-Based Multiple Fish Tracking 2016 ,		9
103	Monocular Visual Object 3D Localization in Road Scenes 2019 ,		9
102	Depth Estimation Using A Self-Supervised Network based on Cross-layer Feature Fusion and the Quadtree Constraint. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2021 , 1-1	6.4	9
101	QoE-Driven Resource Allocation Optimized for Uplink Delivery of Delay-Sensitive VR Video Over Cellular Network. <i>IEEE Access</i> , 2019 , 7, 60672-60683	3.5	8

100	A near optimal QoE-driven power allocation scheme for SVC-based video transmissions over MIMO systems 2014 ,		8
99	Reducing Feedback Load of Opportunistic Multicast Scheduling over Wireless Systems. <i>IEEE Communications Letters</i> , 2010 , 14, 1179-1181	3.8	8
98	Robust video object tracking based on multiple kernels with projected gradients 2011 ,		8
97	Contour tracking using a knowledge-based snake algorithm to construct three-dimensional pharyngeal bolus movement. <i>Dysphagia</i> , 1999 , 14, 219-27	3.7	8
96	Shrinking Encoding with Two-Level Codebook Learning for Fine-Grained Fish Recognition 2016 ,		8
95	Chute based automated fish length measurement and water drop detection 2016 ,		8
94	Volumetric Media Streaming for Augmented Reality 2018 ,		8
93	Efficient Multi-person Hierarchical 3D Pose Estimation for Autonomous Driving 2019 ,		7
92	Adaptive ground plane estimation for moving camera-based 3D object tracking 2017 ,		7
91	A QoE-driven FEC rate adaptation scheme for scalable video transmissions over MIMO systems 2015 ,		7
90	View-invariant 3D human body pose reconstruction using a monocular video camera 2011 ,		7
89	Camera link model estimation in a distributed camera network based on the deterministic annealing and the barrier method 2012 ,		7
88	Ghost Shadow Removal in Multi-Layered Video Inpainting 2007 ,		7
87	The CBERC: a content-based error-resilient coding technique for packet video communications. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2001 , 11, 974-980	6.4	7
86	Fish Tracking and Segmentation From Stereo Videos on the Wild Sea Surface for Electronic Monitoring of Rail Fishing. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2019 , 29, 3146-3158	6.4	7
85	Photometric transfer for direct visual odometry. <i>Knowledge-Based Systems</i> , 2021 , 213, 106671	7.3	7
84	Cross-Layer Optimization for VR Video Multicast Systems 2018 ,		7
83	The 2020 Embedded Deep Learning Object Detection Model Compression Competition for Traffic in Asian Countries 2020 ,		6

82	Adversarial Learning for Joint Optimization of Depth and Ego-Motion. <i>IEEE Transactions on Image Processing</i> , 2020 ,	8.7	6
81	Uncertainty sampling based active learning with diversity constraint by sparse selection 2017 ,		6
80	Cross-Layer Channel-Quality-Fair Scheduling for Video Uplink of Camera Networks over WiMAX 2011 ,		6
79	Airtime Fair Distributed Cross-Layer Congestion Control for Real-Time Video Over WLAN. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2009 , 19, 1158-1168	6.4	6
78	A fast and robust moving object segmentation in video sequences 1999 ,		6
77	A cross-domain hierarchical recurrent model for personalized session-based recommendations. <i>Neurocomputing</i> , 2020 , 380, 271-284	5.4	6
76	Geometry-Based Camera Calibration Using Closed-Form Solution of Principal Line. <i>IEEE Transactions on Image Processing</i> , 2021 , 30, 2599-2610	8.7	6
75	Multi-Scale Fish Segmentation Refinement and Missing Shape Recovery. <i>IEEE Access</i> , 2019 , 7, 52836-52845	4.5	5
74	Combined estimation of camera link models for human tracking across nonoverlapping cameras 2015 ,		5
73	Multiple fish tracking via Viterbi data association for low-frame-rate underwater camera systems 2013 ,		5
72	Resource Efficient Opportunistic Multicast Scheduling for IPTV over Mobile WiMAX 2010 ,		5
71	Solving inverse problems by Bayesian neural network iterative inversion with ground truth incorporation. <i>IEEE Transactions on Signal Processing</i> , 1997 , 45, 2749-2757	4.8	5
70	Automatic object-based video analysis and interpretation: A step toward systematic video understanding 2002 ,		5
69	Automated Artery Localization and Vessel Wall Segmentation using Tracklet Refinement and Polar Conversion. <i>IEEE Access</i> , 2020 , 8, 217603-217614	3.5	5
68	Bundle Adjustment for Monocular Visual Odometry Based on Detected Traffic Sign Features 2019 ,		4
67	Optimal DASH-multicasting over LTE 2017 ,		4
66	Gradient-based adaptive particle swarm optimizer with improved extremal optimization. <i>Applied Intelligence</i> , 2018 , 48, 4646-4659	4.9	4
65	Human Action Recognition Based on 3D Human Modeling and Cyclic HMMs. <i>ETRI Journal</i> , 2014 , 36, 662-672		4

64	Segmentation of Multi-Channel Image with Markov Random Field Based Active Contour Model. <i>Journal of Signal Processing Systems</i> , 2002 , 31, 45-55		4
63	A virtual classroom for real-time interactive distance learning		4
62	Multi-Target Multi-Camera Tracking of Vehicles Using Metadata-Aided Re-ID and Trajectory-Based Camera Link Model. <i>IEEE Transactions on Image Processing</i> , 2021 , 30, 5198-5210	8.7	4
61	CEGFNet: Common Extraction and Gate Fusion Network for Scene Parsing of Remote Sensing Images. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-10	8.1	4
60	Deformable multiple-kernel based human tracking using a moving camera 2015 ,		3
59	Fully automated and robust analysis technique for popliteal artery vessel wall evaluation (FRAPPE) using neural network models from standardized knee MRI. <i>Magnetic Resonance in Medicine</i> , 2020 , 84, 2147-2160	4.4	3
58	Confidence Weighting for Robust Automated Measurements of Popliteal Vessel Wall Magnetic Resonance Imaging. <i>Circulation Genomic and Precision Medicine</i> , 2020 , 13, e002870	5.2	3
57	A novel algorithm for refining cerebral vascular measurements in infants and adults. <i>Journal of Neuroscience Methods</i> , 2020 , 340, 108751	3	3
56	Inter-camera tracking based on fully unsupervised online learning 2017 ,		3
55	A QoE-based APP layer scheduling scheme for scalable video transmissions over multi-RAT systems? 2015 ,		3
54	Wireless MediaNets: application-driven next-generation wireless IP networks. <i>Multimedia Systems</i> , 2011 , 17, 251-285	2.2	3
53	QoE-aware resource allocation for integrated surveillance system over 4G mobile networks 2012 ,		3
52	Automatic Human Body Tracking and Modeling from Monocular Video Sequences 2007 ,		3
51	Analyzing Human Body 3-D Motion of Golf Swing From Single-Camera Video Sequences		3
50	An embedded packet train and adaptive FEC scheme for effective video adaptation over wireless broadband networks. <i>Journal of Zhejiang University: Science A</i> , 2006 , 7, 811-818	2.1	3
49	Layered video over IP networks by using selective drop routers		3
48	Baum-Welch hidden Markov model inversion for reliable audio-to-visual conversion 1999 ,		3
47	Real time recurrent neural networks for time series prediction and confidence estimation		3

46	A knowledge driven stochastic active contour model (KDS-SNAKE) for contour finding of distinct features		3
45	Inversion of Parameters for Semiarid Regions by a Neural Network		3
44	Automated Intracranial Artery Labeling Using a Graph Neural Network and Hierarchical Refinement. <i>Lecture Notes in Computer Science</i> , 2020 , 76-85	0.9	3
43	Live Tracking of Rail-Based Fish Catching on Wild Sea Surface 2016 ,		3
42	QoE-Driven Resource Allocation Optimized for Delay-Sensitive VR Video Uploading over Cellular Network 2019 ,		3
41	EPES: Point Cloud Quality Modeling Using Elastic Potential Energy Similarity. <i>IEEE Transactions on Broadcasting</i> , 2021 , 1-10	4.7	3
40	Unsupervised Learning of Depth and Ego-Motion with Spatial-Temporal Geometric Constraints 2019 ,		2
39	An effective video-based model for fall monitoring of the elderly 2017 ,		2
38	Dynamic Scheduling and Real-Time Rendering for Large-Scale 3D Scenes. <i>Journal of Signal Processing Systems</i> , 2014 , 75, 15-21	1.4	2
37	Quasi-periodic action recognition from monocular videos via 3D human models and cyclic HMMs 2012 ,		2
36	Self-organized and scalable camera networks for systematic human tracking across nonoverlapping cameras 2013 ,		2
35	Multiple-kernel based vehicle tracking using 3-D deformable model and license plate self-similarity 2013 ,		2
34	Adaptive Probabilistic Broadcasting over Dense Wireless Ad Hoc Networks. <i>International Journal of Digital Multimedia Broadcasting</i> , 2010 , 2010, 1-12	0.8	2
33	Video browsing for course-on-demand in distance learning		2
32	Mixture of discriminative learning experts of constant sensitivity for automated cytology screening		2
31	A hierarchical push-pull scheme for peer-to-peer live streaming 2008 ,		2
30	Extraction and Integration of Human Body Parts for 3-D Motion Analysis of Golf Swing from Single-Camera Video Sequences 2007 ,		2
29	Creating 3D speech-driven talking heads: a probabilistic network approach		2

28	A real-time system for automatic creation of 3D face models from a video sequence 2002 ,		2
27	Understanding Objects in Video: Object-Oriented Video Captioning via Structured Trajectory and Adversarial Learning. <i>IEEE Access</i> , 2020 , 8, 169146-169159	3.5	2
26	Optimizing Live Layered Video Multicasting Over LTE With Mobile Edge Computing. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 12072-12084	6.8	2
25	Facial Feature-Integrated Inter-Camera Human Tracking 2018 ,		2
24	Association Rule Mining of Personal Hobbies in Social Networks. <i>International Journal of Web Services Research</i> , 2017 , 14, 13-28	0.8	1
23	A channel reservation and preemption model using overlapping regions in sector-based cellular networks. <i>Wireless Communications and Mobile Computing</i> , 2015 , 15, 1589-1605	1.9	1
22	An ensemble of invariant features for person re-identification 2015 ,		1
21	Real-time 3D pose reconstruction of human body from monocular video sequences 2009 ,		1
20	Receiver driven overlap FEC for scalable video coding extension of the H.264/AVC 2009 ,		1
19	Mapping snow properties for spatially distributed snow hydrological modeling in mountainous areas using passive microwave remote sensing data		1
18	Motion vector re-estimation and dynamic frame-skipping for video transcoding		1
17	Generalization performance analysis of flow-based peer-to-peer traffic identification 2008 ,		1
16	A Hybrid Coarse/Fine Layered Multicast Scheme Based on Hierarchical Bandwidth Inference Congestion Control. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2008 , 18, 1776-1780	6.4	1
15	Human body modeling with partial self occlusion from monocular camera 2008 ,		1
14	Video Attention Ranking using Visual and Contextual Attention Model for Content-based Sports Videos Mining 2007 ,		1
13	A hybrid system for automatic fingerprint identification		1
12	Information theoretic analysis of plaque in MR imaging		1
11	Expanding Gaussian kernels for multivariate conditional density estimation. <i>IEEE Transactions on Signal Processing</i> , 1998 , 46, 269-275	4.8	1

10	Proteus: A reconfigurable computational network for computer vision. <i>Machine Vision and Applications</i> , 1995 , 8, 85-100	2.8	1
9	Tile-Based Panoramic Video Quality Assessment. <i>IEEE Transactions on Broadcasting</i> , 2021 , 1-15	4.7	1
8	Domain adaptive and fully automated carotid artery atherosclerotic lesion detection using an artificial intelligence approach (LATTE) on 3D MRI. <i>Magnetic Resonance in Medicine</i> , 2021 , 86, 1662-1673	4.4	1
7	Video-Based Hierarchical Species Classification for Longline Fishing Monitoring. <i>Lecture Notes in Computer Science</i> , 2021 , 422-433	0.9	1
6	SUPERVISED AND UNSUPERVISED FEATURE DESCRIPTORS FOR ERROR-RESILIENT UNDERWATER LIVE FISH RECOGNITION 2016 , 159-173		0
5	Double-Branch Dehazing Network based on Self-Calibrated Attentional Convolution. <i>Knowledge-Based Systems</i> , 2022 , 240, 108148	7.3	0
4	Normalized distance aggregation of discriminative features for person reidentification. <i>Journal of Electronic Imaging</i> , 2018 , 27, 1	0.7	0
3	Emergent Techniques and Applications for Big Visual Data. <i>International Journal of Digital Multimedia Broadcasting</i> , 2017 , 2017, 1-2	0.8	
2	Quantitative Assessment of the Intracranial Vasculature of Infants and Adults Using iCafe (Intracranial Artery Feature Extraction). <i>Frontiers in Neurology</i> , 2021 , 12, 668298	4.1	
1	Deep Open Snake Tracker for Vessel Tracing. <i>Lecture Notes in Computer Science</i> , 2021 , 579-589	0.9	