

# Carlo S Regazzoni

## List of Publications by Year in descending order

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Version: 2024-02-01

356  
papers

4,419  
citations

236912

25  
h-index

223791

46  
g-index

363  
all docs

363  
docs citations

363  
times ranked

2792  
citing authors

#	ARTICLE	IF	CITATIONS
1	Abnormal event detection in videos using generative adversarial nets. , 2017, , .		305
2	Synthesis of unequally spaced arrays by simulated annealing. IEEE Transactions on Signal Processing, 1996, 44, 119-122.	5.3	287
3	Spectrum sensing: A distributed approach for cognitive terminals. IEEE Journal on Selected Areas in Communications, 2007, 25, 546-557.	14.0	190
4	The Evolution of First Person Vision Methods: A Survey. IEEE Transactions on Circuits and Systems for Video Technology, 2015, 25, 744-760.	8.3	142
5	Real-time video-shot detection for scene surveillance applications. IEEE Transactions on Image Processing, 2000, 9, 69-79.	9.8	107
6	Special issue on video communications, processing, and understanding for third generation surveillance systems. Proceedings of the IEEE, 2001, 89, 1355-1539.	21.3	90
7	Distributed data fusion for real-time crowding estimation. Signal Processing, 1996, 53, 47-63.	3.7	88
8	Distributed architectures and logical-task decomposition in multimedia surveillance systems. Proceedings of the IEEE, 2001, 89, 1419-1440.	21.3	64
9	A distributed surveillance system for detection of abandoned objects in unmanned railway environments. IEEE Transactions on Vehicular Technology, 2000, 49, 2013-2026.	6.3	61
10	Video Analytics for Surveillance: Theory and Practice [From the Guest Editors. IEEE Signal Processing Magazine, 2010, 27, 16-17.	5.6	61
11	A distributed probabilistic system for adaptive regulation of image processing parameters. IEEE Transactions on Systems, Man, and Cybernetics, 1996, 26, 1-20.	5.0	58
12	Dual camera intelligent sensor for high definition 360 degrees surveillance. IET Computer Vision, 2005, 152, 250.	1.3	58
13	Vehicle recognition and tracking from road image sequences. IEEE Transactions on Vehicular Technology, 1999, 48, 301-318.	6.3	56
14	Image stabilization algorithms for video-surveillance applications. , 0, , .		56
15	Cognitive Radios With Multiple Antennas Exploiting Spatial Opportunities. IEEE Transactions on Signal Processing, 2010, 58, 4453-4459.	5.3	53
16	Particle PHD Filtering for Multi-Target Visual Tracking. , 2007, , .		52
17	Advanced image-processing tools for counting people in tourist site-monitoring applications. Signal Processing, 2001, 81, 1017-1040.	3.7	46
18	Automatic detection and indexing of video-event shots for surveillance applications. IEEE Transactions on Multimedia, 2002, 4, 459-471.	7.2	43

#	ARTICLE	IF	CITATIONS
19	Use of Time-Frequency Analysis and Neural Networks for Mode Identification in a Wireless Software-Defined Radio Approach. <i>Eurasip Journal on Advances in Signal Processing</i> , 2004, 2004, 1.	1.7	43
20	A probabilistic approach to the coupled reconstruction and restoration of underwater acoustic images. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 1998, 20, 9-22.	13.9	41
21	Designing for action: An evaluation of Social Recipes in reducing food waste. <i>International Journal of Human Computer Studies</i> , 2017, 100, 18-32.	5.6	41
22	A Sequential Classifier for Hand Detection in the Framework of Egocentric Vision. , 2014, , .		40
23	Online Nonparametric Bayesian Activity Mining and Analysis From Surveillance Video. <i>IEEE Transactions on Image Processing</i> , 2016, 25, 2089-2102.	9.8	39
24	Bayesian Tracking for Video Analytics. <i>IEEE Signal Processing Magazine</i> , 2010, 27, 46-55.	5.6	38
25	A new approach to vector median filtering based on space filling curves. <i>IEEE Transactions on Image Processing</i> , 1997, 6, 1025-1037.	9.8	36
26	Content-based retrieval and real time detection from video sequences acquired by surveillance systems. , 0, , .		35
27	Classification of Unattended and Stolen Objects in Video-Surveillance System. , 2006, , .		35
28	Learning Switching Models for Abnormality Detection for Autonomous Driving. , 2018, , .		35
29	Multiple object tracking under heavy occlusions by using Kalman filters based on shape matching. , 0, , .		34
30	Tracker-Level Fusion for Robust Bayesian Visual Tracking. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2015, 25, 776-789.	8.3	32
31	AI-Based Abnormality Detection at the PHY-Layer of Cognitive Radio by Learning Generative Models. <i>IEEE Transactions on Cognitive Communications and Networking</i> , 2020, 6, 21-34.	7.9	31
32	HOS-based generalized noise pdf models for signal detection optimization. <i>Signal Processing</i> , 1998, 65, 267-281.	3.7	30
33	Interaction Analysis with a Bayesian Trajectory Model. <i>IEEE Intelligent Systems</i> , 2010, 25, 32-40.	4.0	30
34	A real-time vision system for crowding monitoring. , 0, , .		28
35	A change-detection method for multiple object localization in real scenes. , 0, , .		27
36	Multisensor data fusion for autonomous vehicle navigation in risky environments. <i>IEEE Transactions on Vehicular Technology</i> , 2002, 51, 1165-1185.	6.3	27

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37	A noncoherent correlation technique and focused beamforming for ultrasonic underwater imaging: a comparative analysis. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 1994, 41, 621-630.	3.0	26
38	Early fire and smoke detection based on colour features and motion analysis. , 2012, , .		26
39	A voting-based approach for fast object recognition in underwater acoustic images. IEEE Journal of Oceanic Engineering, 1997, 22, 57-65.	3.8	24
40	Intelligent cognitive radio jamming - a game-theoretical approach. Eurasip Journal on Advances in Signal Processing, 2014, 2014, .	1.7	24
41	Robust tracking of humans and vehicles in cluttered scenes with occlusions. , 0, , .		21
42	People Count Estimation In Small Crowds. , 2012, , .		21
43	Color-based video stabilization for real-time on-board object detection on high-speed trains. , 0, , .		20
44	A New Method for Real Time Abandoned Object Detection and Owner Tracking. , 2006, , .		20
45	Static force field representation of environments based on agentsâ€™ nonlinear motions. Eurasip Journal on Advances in Signal Processing, 2017, 2017, .	1.7	20
46	Grouping of Rectilinear Segments by the Labeled Hough Transform. CVGIP Image Understanding, 1994, 59, 22-42.	1.3	19
47	The asymmetric generalized Gaussian function: a new HOS-based model for generic noise pdfs. , 0, , .		19
48	Interaction Modeling and Prediction in Smart Spaces: A Bio-Inspired Approach Based on Autobiographical Memory. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2010, 40, 1191-1205.	2.9	19
49	A fictitious play-based game-theoretical approach to alleviating jamming attacks for cognitive radios. , 2014, , .		19
50	Effects of Ambient Lighting Displays on Peripheral Activity Awareness. IEEE Access, 2017, 5, 9318-9335.	4.2	19
51	Re-framing the characteristics of concepts and their relation to learning and cognition in artificial agents. Cognitive Systems Research, 2017, 44, 50-68.	2.7	19
52	Dual camera system for face detection in unconstrained environments. , 0, , .		18
53	W-band physical layer design issues in the context of the DAVID-DCE experiment. International Journal of Satellite Communications and Networking, 2004, 22, 193-215.	1.8	18
54	Radio map fusion for indoor positioning in wireless local area networks. , 2005, , .		18

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55	Visual-centric surveillance networks and services [Guest Editorial. IEEE Signal Processing Magazine, 2005, 22, 12-15.	5.6	18
56	Unsupervised trajectory pattern classification using hierarchical Dirichlet Process Mixture hidden Markov model. , 2014, , .		18
57	Promoting Social Connectedness through Human Activity-Based Ambient Displays. , 2016, , .		18
58	Bayesian Analysis of Behaviors and Interactions for Situation Awareness in Transportation Systems. IEEE Transactions on Intelligent Transportation Systems, 2016, 17, 313-322.	8.0	18
59	Learning Multi-Modal Self-Awareness Models for Autonomous Vehicles from Human Driving. , 2018, , .		18
60	A multilevel GMRF-based approach to image segmentation and restoration. Signal Processing, 1993, 34, 43-67.	3.7	17
61	Circular arc extraction by direct clustering in a 3D Hough parameter space. Signal Processing, 1995, 41, 203-224.	3.7	17
62	Adaptive camera regulation for investigation of real scenes. IEEE Transactions on Industrial Electronics, 1996, 43, 588-600.	7.9	17
63	Grouping as a Searching Process for Minimum-Energy Configurations of Labelled Random Fields. Computer Vision and Image Understanding, 1996, 64, 157-174.	4.7	17
64	ROC curves for performance evaluation of video sequences processing systems for surveillance applications. , 1999, , .		17
65	Multisensorial Generative and Descriptive Self-Awareness Models for Autonomous Systems. Proceedings of the IEEE, 2020, 108, 987-1010.	21.3	17
66	Distributed spatial reasoning for multisensory image interpretation. Signal Processing, 1993, 32, 217-255.	3.7	16
67	Smart cameras with real-time video object generation. , 0, , .		16
68	Automatic detection of dangerous events for underground surveillance. , 0, , .		15
69	a Multi-Perspective Approach to Anomaly Detection for Self -Aware Embodied Agents. , 2018, , .		15
70	A Dynamic Approach and a New Dataset for Hand-detection in First Person Vision. Lecture Notes in Computer Science, 2015, , 274-287.	1.3	15
71	Extension of IBIS for 3D organ recognition in NMR multislices. Pattern Recognition Letters, 1988, 8, 65-72.	4.2	14
72	Structured Context-Analysis Techniques in Biologically Inspired Ambient-Intelligence Systems. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2005, 35, 106-120.	2.9	14

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73	Crowd Emotion Detection Using Dynamic Probabilistic Models. Lecture Notes in Computer Science, 2014, , 328-337.	1.3	14
74	Towards a unified framework for hand-based methods in First Person Vision. , 2015, , .		14
75	Left/right hand segmentation in egocentric videos. Computer Vision and Image Understanding, 2017, 154, 73-81.	4.7	14
76	Multilevel Anomaly Detection Through Variational Autoencoders and Bayesian Models for Self-Aware Embodied Agents. IEEE Transactions on Multimedia, 2022, 24, 1399-1414.	7.2	14
77	A distributed approach to 3D road scene recognition. IEEE Transactions on Vehicular Technology, 1994, 43, 389-406.	6.3	13
78	Multi-camera object tracking using surprisal observations in visual sensor networks. Eurasip Journal on Advances in Signal Processing, 2016, 2016, .	1.7	13
79	Cognitive Radio as the Facilitator for Advanced Communications Electronic Warfare Solutions. Journal of Signal Processing Systems, 2016, 83, 29-44.	2.1	13
80	Collective Awareness for Abnormality Detection in Connected Autonomous Vehicles. IEEE Internet of Things Journal, 2020, 7, 3774-3789.	8.7	13
81	Grouping of Rectilinear Segments by the Labeled Hough Transform. Computer Vision and Image Understanding, 1994, 59, 22-42.	4.7	13
82	Real-time approach to 3-D object tracking in complex scenes. Electronics Letters, 1994, 30, 475-477.	1.0	12
83	A hierarchical approach to feature extraction and grouping. IEEE Transactions on Image Processing, 2000, 9, 1056-1074.	9.8	12
84	Distributed Cognitive Sensor Network Approach for Surveillance Applications. , 2009, , .		12
85	Clustering Optimization for Abnormality Detection in Semi-Autonomous Systems. , 2019, , .		12
86	Self-Learning Bayesian Generative Models for Jammer Detection in Cognitive-UAV-Radios. , 2020, , .		12
87	Distributed hierarchical regularization system for recognition of planar surfaces. Optical Engineering, 1993, 32, 1167.	1.0	11
88	Higher-order-statistics-based sharpness evaluation of a generalized Gaussian PDF model in impulsive noisy environments. , 0, , .		11
89	A neural network-based image processing system for detection of vandal acts in unmanned railway environments. , 0, , .		11
90	An efficient carrier recovery scheme for high-bit-rate W-band satellite communication systems. , 2005, , .		11

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91	Self-organizing shape description for tracking and classifying multiple interacting objects. <i>Image and Vision Computing</i> , 2006, 24, 1179-1191.	4.5	11
92	OFDM Recognition Based on Cyclostationary Analysis in an Open Spectrum Scenario. , 2009, , .		11
93	A Hierarchical Bayesian Model for Crowd Emotions. <i>Frontiers in Computational Neuroscience</i> , 2016, 10, 63.	2.1	11
94	A Cognitive Control-Inspired Approach to Object Tracking. <i>IEEE Transactions on Image Processing</i> , 2016, 25, 2697-2711.	9.8	11
95	Dynamic Bayesian Approach for decision-making in Ego-Things. , 2019, , .		11
96	Anomaly Detection in Video Data Based on Probabilistic Latent Space Models. , 2020, , .		11
97	Distributed propagation of a-priori constraints in a Bayesian network of Markov random fields. <i>IEE Proceedings, Part I: Communications, Speech and Vision</i> , 1993, 140, 46.	0.2	10
98	A comparison between spectral and bispectral analysis for ship detection from acoustical time series. , 0, , .		10
99	Statistical morphological filters for binary image processing. , 0, , .		10
100	Neural network-based techniques for efficient detection of variable-bit-rate signals in MC-CDMA systems working over LEO satellite networks. <i>Signal Processing</i> , 2005, 85, 505-522.	3.7	10
101	Comparison among Cognitive Radio Architectures for Spectrum Sensing. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2011, 2011, .	2.4	10
102	Online pedestrian group walking event detection using spectral analysis of motion similarity graph. , 2015, , .		10
103	Bio-inspired relevant interaction modelling in cognitive crowd management. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2015, 6, 171-192.	4.9	10
104	Correlation-based self-correcting tracking. <i>Neurocomputing</i> , 2015, 152, 345-358.	5.9	10
105	Improving Awareness and Social Connectedness through the Social Hue. , 2016, , .		10
106	Opportunistic Spectrum Sensing and Transmissions. <i>Advances in Wireless Technologies and Telecommunication Book Series</i> , 0, , 1-28.	0.4	10
107	Application to locally optimum detection of a new noise model. , 0, , .		9
108	Performance evaluation of MC-CDMA techniques for variable bit-rate transmission in LEO satellite networks. , 0, , .		9

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109	A video surveillance architecture for alarm generation and video sequences retrieval. , 0, , .		9
110	A novel method for graffiti detection using change detection algorithm. , 0, , .		9
111	A bio-inspired system model for interactive surveillance applications. Journal of Ambient Intelligence and Smart Environments, 2011, 3, 147-163.	1.4	9
112	Event Based Switched Dynamic Bayesian Networks for Autonomous Cognitive Crowd Monitoring. Augmented Vision and Reality, 2014, , 93-122.	0.2	9
113	Cyclostationary-based jammer detection algorithm for wide-band radios using compressed sensing. , 2015, , .		9
114	Filtering SVM frame-by-frame binary classification in a detection framework. , 2015, , .		9
115	Prediction of Multi-target Dynamics Using Discrete Descriptors: an Interactive Approach. , 2019, , .		9
116	Learning Probabilistic Awareness Models for Detecting Abnormalities in Vehicle Motions. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 1308-1320.	8.0	9
117	Human body modelling for people localization and tracking from real image sequences. , 1995, , .		8
118	Use of intelligent sensors and software radio technologies for optimal design of reconfigurable multimedia surveillance networks. , 2001, 39, 156-163.		8
119	Guest Editorial: Video Processing and Communications in Real-Time Surveillance Systems. Real Time Imaging, 2001, 7, 381-388.	1.6	8
120	Multisensor surveillance systems based on image and video data. , 0, , .		8
121	A Bio-inspired Learning Approach for the Classification of Risk Zones in a Smart Space. , 2007, , .		8
122	Selective attention automatic focus for cognitive crowd monitoring. , 2013, , .		8
123	Analysis of Energy Detector in Cooperative Relay Networks for Cognitive Radios. , 2013, , .		8
124	Compressed sensing based jammer detection algorithm for wide-band cognitive radio networks. , 2015, , .		8
125	Perception of emotions from crowd dynamics. , 2015, , .		8
126	Hierarchy of Gans for Learning Embodied Self-Awareness Model. , 2018, , .		8



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127	Interference mitigation in wideband radios using spectrum correlation and neural network. IET Communications, 2019, 13, 1336-1347.	2.2	8
128	Smart Jammer Detection for Self-Aware Cognitive UAV Radios. , 2020, , .		8
129	Learning Self-Awareness for Autonomous Vehicles: Exploring Multisensory Incremental Models. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 3372-3386.	8.0	8
130	On Future Development of Autonomous Systems: A Report of the Plenary Panel at IEEE ICASâ€™21. , 2021, , .		8
131	A real-time model-based method for 3-D object orientation estimation in outdoor scenes. IEEE Signal Processing Letters, 1997, 4, 248-251.	3.6	7
132	Non-Gaussian characterization of DS/CDMA noise in few-user systems with complex signature sequences. IEEE Transactions on Signal Processing, 1999, 47, 234-237.	5.3	7
133	Change detection methods for automatic scene analysis by using mobile surveillance cameras. , 0, , .		7
134	Cooperative multisensor system for real-time face detection and tracking in uncontrolled conditions. , 2005, , .		7
135	Neural Networks Mode Classification based on Frequency Distribution Features. , 2007, , .		7
136	Multi-Modal Data Fusion Techniques and Applications. , 2009, , 213-237.		7
137	Bio-inspired probabilistic model for crowd emotion detection. , 2014, , .		7
138	A particle filter based sequential trajectory classifier for behavior analysis in video surveillance. , 2015, , .		7
139	Jammer detection algorithm for wide-band radios using spectral correlation and neural networks. , 2017, , .		7
140	Learning a Switching Bayesian Model for Jammer Detection in the Cognitive-Radio-Based Internet of Things. , 2019, , .		7
141	Deep Learning for Spectrum Anomaly Detection in Cognitive mmWave Radios. , 2020, , .		7
142	Distributed belief revision for adaptive image processing regulation. Lecture Notes in Computer Science, 1992, , 87-91.	1.3	7
143	Perception of Human Activities - A Means to Support Connectedness Between the Elderly and Their Caregivers. , 2015, , .		7
144	An Emergent Self-Awareness Module for Physical Layer Security in Cognitive UAV Radios. IEEE Transactions on Cognitive Communications and Networking, 2022, 8, 888-906.	7.9	7

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145	Data Fusion Approach To Obstacle Detection And Identification. , 1989, , .		6
146	A Framework For High-Compression Coding Of Color Images. , 1989, , .		6
147	Speeding up scene recognition by using an associative noise-like coding memory. , 0, , .		6
148	Local density evaluation and tracking of multiple objects from complex image sequences. , 0, , .		6
149	Distributed extended Kalman filtering network for estimation and tracking of multiple objects. Electronics Letters, 1994, 30, 1202-1203.	1.0	6
150	Localisation and tracking of multiple unknown objects in real environments. Electronics Letters, 1995, 31, 355-356.	1.0	6
151	Video-radio fusion approach for target tracking in smart spaces. , 2007, , .		6
152	A particle filter based fusion framework for video-radio tracking in smart spaces. , 2007, , .		6
153	Online failure detection and correction for Bayesian sparse feature-based object tracking. , 2011, , .		6
154	Improved Throughput Performance in Wideband Cognitive Radios via Compressive Sensing. , 2013, , .		6
155	Energy Detection in Multihop Cooperative Diversity Networks: An Analytical Study. International Journal of Distributed Sensor Networks, 2014, 10, 453248.	2.2	6
156	CNN-aware binary MAP for general semantic segmentation. , 2016, , .		6
157	ANOMALY DETECTION IN CROWDS USING MULTI SENSORY INFORMATION. , 2018, , .		6
158	Fast but Not Deep: Efficient Crowd Abnormality Detection with Local Binary Tracklets. , 2018, , .		6
159	Self-awareness in intelligent vehicles: Feature based dynamic Bayesian models for abnormality detection. Robotics and Autonomous Systems, 2020, 134, 103652.	5.1	6
160	Image processing applications to airport surface movements radar surveillance and tracking. , 0, , .		5
161	HOS-based noise models for signal detection optimization in non-Gaussian environments. , 0, , .		5
162	A new HOS-based model for signal detection in non-Gaussian noise: an application to underwater acoustic communications. , 0, , .		5

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163	Circuit realization of Markov random fields for analog image processing. International Journal of Circuit Theory and Applications, 1998, 26, 477-498.	2.0	5
164	Correlation bandwidth characteristics for paths between base station and building roofs. IEEE Transactions on Vehicular Technology, 1999, 48, 295-300.	6.3	5
165	Remote cable-based video surveillance applications: the AVS-RIO project. , 0, , .		5
166	SOM based algorithm for video surveillance system parameter optimal selection. , 0, , .		5
167	Maximum likelihood estimation of carrier offset in a variable bit rate orthogonal multicarrier CDMA. , 0, , .		5
168	From multi-sensor surveillance towards smart interactive spaces. , 2003, , .		5
169	A novel positioning system for static location estimation employing WLAN in indoor environment. , 0, , .		5
170	A multi-feature object association framework for overlapped field of view multi-camera video surveillance systems. , 0, , .		5
171	MAP Particle Selection in Shape-Based Object Tracking. , 2007, , .		5
172	Tracking by using dynamic shape model learning in the presence of occlusion. , 2007, , .		5
173	Tracking Using Continuous Shape Model Learning in the Presence of Occlusion. Eurasip Journal on Advances in Signal Processing, 2008, 2008, .	1.7	5
174	Multitarget tracking with a corner-based particle filter. , 2009, , .		5
175	Distributed cognitive radio architecture with automatic frequency switching. , 2012, , .		5
176	Resource coordination in Wireless Sensor Networks by combinatorial auction based method. , 2012, , .		5
177	Computationally Efficient Compressive Sensing in Wideband Cognitive Radios. , 2013, , .		5
178	Asymptotic detection performance of energy detector in fixed-gain cooperative relay networks. , 2014, , .		5
179	Opportunistic Spectrum Access of Sparse Wideband in Stand-Alone and Cooperative Cognitive Radio Networks. , 2015, , .		5
180	Optimizing Superpixel Clustering for Real-Time Egocentric-Vision Applications. IEEE Signal Processing Letters, 2015, 22, 469-473.	3.6	5

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181	Towards a Deeper Understanding of the Behavioural Implications of Bidirectional Activity-Based Ambient Displays in Ambient Assisted Living Environments. Lecture Notes in Computer Science, 2019, , 108-151.	1.3	5
182	Jammer detection in M-QAM-OFDM by learning a Dynamic Bayesian Model for the Cognitive Radio. , 2019, , .		5
183	Learning Of Linear Video Prediction Models In A Multi-Modal Framework For Anomaly Detection. , 2021, , .		5
184	Data-driven transition matrix estimation in probabilistic learning models for autonomous driving. Signal Processing, 2021, 188, 108170.	3.7	5
185	Modeling Perception in Autonomous Vehicles via 3D Convolutional Representations on LiDAR. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 14608-14619.	8.0	5
186	Automatic Modulation Classification in Cognitive-IoT Radios using Generalized Dynamic Bayesian Networks. , 2021, , .		5
187	A new adaptive approach to picture coding. Annales Des Telecommunications/Annals of Telecommunications, 1990, 45, 503-518.	2.5	4
188	Integration of multisensor data for overcrowding estimation. , 0, , .		4
189	A Coupled Mrf Model for Sar Image Restoration and Edge-Extraction. , 0, , .		4
190	An adaptive probabilistic model for straight edge-extraction within a multilevel MRF framework. , 0, , .		4
191	A MULTILEVEL FUSION APPROACH TO OBJECT IDENTIFICATION IN OUTDOOR ROAD SCENES. International Journal of Pattern Recognition and Artificial Intelligence, 1995, 09, 23-65.	1.2	4
192	A Belief-Based Approach for Adaptive Image Processing. International Journal of Pattern Recognition and Artificial Intelligence, 1997, 11, 359-392.	1.2	4
193	Multimedia communication techniques for remote cable-based video-surveillance systems. , 0, , .		4
194	"A multi-resolution outdoor dual camera system for robust video-event metadata extraction". , 0, , .		4
195	A real-time algorithm for error recovery in remote video-based surveillance applications. Signal Processing: Image Communication, 2002, 17, 165-186.	3.2	4
196	An agent-based approach for tracking people in indoor complex environments. , 0, , .		4
197	A mode identification system for a reconfigurable terminal using wigner distribution and non-parametric classifiers. , 0, , .		4
198	Multicamera object tracking in video surveillance applications. , 2004, , .		4

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199	VIDEO PROCESSING AND UNDERSTANDING TOOLS FOR AUGMENTED MULTISENSOR PERCEPTION AND MOBILE USER INTERACTION IN SMART SPACES. International Journal of Image and Graphics, 2005, 05, 679-698.	1.5	4
200	A Distributed Wireless Sensor Network for Radio Scene Analysis. International Journal of Distributed Sensor Networks, 2006, 2, 201-223.	2.2	4
201	Dynamic Scene Reconstruction for Efficient Remote Surveillance. , 2006, , .		4
202	Multiple cue adaptive tracking of deformable objects with Particle Filter. , 2008, , .		4
203	Signal classification based on spectral redundancy and neural network ensembles. , 2009, , .		4
204	Bayesian Bio-inspired Model for Learning Interactive Trajectories. , 2009, , .		4
205	A Bayesian Network for online evaluation of sparse features based multitarget tracking. , 2012, , .		4
206	Performance Evaluation of Multi-camera Visual Tracking. , 2012, , .		4
207	Realistic Modeling of Agents in Crowd Simulations. , 2014, , .		4
208	A bio-inspired logical process for saliency detections in cognitive crowd monitoring. , 2015, , .		4
209	Unsupervised understanding of location and illumination changes in egocentric videos. Pervasive and Mobile Computing, 2017, 40, 414-429.	3.3	4
210	Dynamic representations for autonomous driving. , 2017, , .		4
211	Stealthy jammer detection algorithm for wide-band radios: A physical layer approach. , 2017, , .		4
212	Incremental Learning of Abnormalities in Autonomous Systems. , 2019, , .		4
213	Optimization of Probabilistic Switching Models Based on a Two-Step Clustering Approach. , 2020, , .		4
214	Use of Advanced Video Surveillance and Communication Technologies for Remote Monitoring of Protected Sites. , 1999, , 154-164.		4
215	Hand pose recognition in First Person Vision through graph spectral analysis. , 2017, , .		4
216	Security in Cognitive Radio Networks. Advances in Wireless Technologies and Telecommunication Book Series, 2013, , 301-335.	0.4	4

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217	A long term change detection method for surveillance applications. Lecture Notes in Computer Science, 1997, , 485-492.	1.3	4
218	Active Inference Integrated With Imitation Learning for Autonomous Driving. IEEE Access, 2022, 10, 49738-49756.	4.2	4
219	Integration of Data-Fusion Techniques for Autonomous Vehicle Driving. Proceedings of SPIE, 1990, , .	0.8	3
220	A HOUGH-BASED MATCHING OF 2D LINE SEGMENTS IN A MONOCULAR IMAGE SEQUENCE. International Journal of Pattern Recognition and Artificial Intelligence, 1996, 10, 687-710.	1.2	3
221	A new distance measure for vectorial rank-order filters based on space filling curves. , 0, , .		3
222	Group-membership reinforcement for straight edges based on Bayesian networks. IEEE Transactions on Image Processing, 1998, 7, 1321-1339.	9.8	3
223	Real-time error correction algorithm for noise-corrupted JPEG bit-streams. Electronics Letters, 1999, 35, 1147.	1.0	3
224	A serial acquisition scheme based on statistical-hypothesis-testing for asynchronous DS/CDMA systems. , 0, , .		3
225	A multicamera fusion framework for multiple occluding objects tracking in intelligent monitoring and sport viewing applications. , 0, , .		3
226	Antenna systems with embodied cognition for next generation wireless communications. , 2007, , .		3
227	A Comparison of Different Approaches to Nonlinear Shift Estimation for Object Tracking. , 2007, , .		3
228	A comparison among cooperative spectrum sensing approaches for cognitive radios. , 2010, , .		3
229	Human action recognition using the motion of interest points. , 2010, , .		3
230	A general Bayesian algorithm for visual object tracking based on sparse features. , 2011, , .		3
231	Extended feature-based object tracking in presence of data association uncertainty. , 2011, , .		3
232	Event definition for stability preservation in bio-inspired cognitive crowd monitoring. , 2013, , .		3
233	GPU Accelerated Left/Right Hand-Segmentation in First Person Vision. Lecture Notes in Computer Science, 2016, , 504-517.	1.3	3
234	Average consensus-based asynchronous tracking. , 2017, , .		3

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