

# Carlo S Regazzoni

## List of Publications by Year in Descending Order

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

286  
papers

3,067  
citations

25  
h-index

44  
g-index

363  
ext. papers

3,773  
ext. citations

3.8  
avg, IF

5.26  
L-index

#	Paper	IF	Citations
286	Probabilistic anomaly detection methods using learned models from time-series data for multimedia self-aware systems <b>2022</b> , 449-479		
285	An Emergent Self-Awareness Module for Physical Layer Security in Cognitive UAV Radios. <i>IEEE Transactions on Cognitive Communications and Networking</i> , <b>2022</b> , 1-1	6.6	1
284	Active Inference Integrated with Imitation Learning for Autonomous Driving. <i>IEEE Access</i> , <b>2022</b> , 1-1	3.5	0
283	Modeling Perception in Autonomous Vehicles via 3D Convolutional Representations on LiDAR. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2021</b> , 1-12	6.1	
282	<b>2021</b> ,		1
281	Observational Learning: Imitation Through an Adaptive Probabilistic Approach <b>2021</b> ,		1
280	Detection of Abnormal Motion by Estimating Scene Flows of Point Clouds for Autonomous Driving <b>2021</b> ,		1
279	. <i>IEEE Internet of Things Journal</i> , <b>2021</b> , 8, 3224-3241	10.7	0
278	Learning Self-Awareness for Autonomous Vehicles: Exploring Multisensory Incremental Models. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2021</b> , 22, 3372-3386	6.1	5
277	. <i>IEEE Transactions on Multimedia</i> , <b>2021</b> , 1-1	6.6	5
276	Data-driven transition matrix estimation in probabilistic learning models for autonomous driving. <i>Signal Processing</i> , <b>2021</b> , 188, 108170	4.4	2
275	Smart Jammer Detection for Self-Aware Cognitive UAV Radios <b>2020</b> ,		3
274	AI-Based Abnormality Detection at the PHY-Layer of Cognitive Radio by Learning Generative Models. <i>IEEE Transactions on Cognitive Communications and Networking</i> , <b>2020</b> , 6, 21-34	6.6	19
273	. <i>IEEE Internet of Things Journal</i> , <b>2020</b> , 7, 3774-3789	10.7	8
272	Multisensorial Generative and Descriptive Self-Awareness Models for Autonomous Systems. <i>Proceedings of the IEEE</i> , <b>2020</b> , 108, 987-1010	14.3	11
271	Self-awareness in Intelligent Vehicles: Experience Based Abnormality Detection. <i>Advances in Intelligent Systems and Computing</i> , <b>2020</b> , 216-228	0.4	
270	Self-Learning Bayesian Generative Models for Jammer Detection in Cognitive-UAV-Radios <b>2020</b> ,		3

269	Self-awareness in intelligent vehicles: Feature based dynamic Bayesian models for abnormality detection. <i>Robotics and Autonomous Systems</i> , <b>2020</b> , 134, 103652	3.5	0
268	Anomaly Detection in Video Data Based on Probabilistic Latent Space Models <b>2020</b> ,		6
267	Optimization of Probabilistic Switching Models Based on a Two-Step Clustering Approach <b>2020</b> ,		4
266	Deep Learning for Spectrum Anomaly Detection in Cognitive mmWave Radios <b>2020</b> ,		2
265	Continual Learning Of Predictive Models In Video Sequences Via Variational Autoencoders <b>2020</b> ,		1
264	Learning Probabilistic Awareness Models for Detecting Abnormalities in Vehicle Motions. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2020</b> , 21, 1308-1320	6.1	8
263	Clustering Optimization for Abnormality Detection in Semi-Autonomous Systems <b>2019</b> ,		6
262	Learning a Switching Bayesian Model for Jammer Detection in the Cognitive-Radio-Based Internet of Things <b>2019</b> ,		6
261	Introduction to the Special Section on Deep Learning for Visual Surveillance. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2019</b> , 29, 2535-2537	6.4	1
260	. <i>IEEE Signal Processing Magazine</i> , <b>2019</b> , 36, 148-147	9.4	
259	Interference mitigation in wideband radios using spectrum correlation and neural network. <i>IET Communications</i> , <b>2019</b> , 13, 1336-1347	1.3	3
258	Prediction of Multi-target Dynamics Using Discrete Descriptors: an Interactive Approach <b>2019</b> ,		5
257	Learning Dynamic Jamming Models in Cognitive Radios <b>2019</b> , 1987-2023		
256	Towards a Deeper Understanding of the Behavioural Implications of Bidirectional Activity-Based Ambient Displays in Ambient Assisted Living Environments. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 11817, 108-151	0.9	4
255	Dynamic Bayesian Approach for decision-making in Ego-Things <b>2019</b> ,		7
254	Exploiting ST-Based Representation for High Sampling Rate Dynamic Signals. <i>Lecture Notes on Data Engineering and Communications Technologies</i> , <b>2019</b> , 203-217	0.4	2
253	Jammer detection in M-QAM-OFDM by learning a Dynamic Bayesian Model for the Cognitive Radio <b>2019</b> ,		5
252	Incremental Learning of Abnormalities in Autonomous Systems <b>2019</b> ,		3

251	Learning Dynamic Jamming Models in Cognitive Radios <b>2018</b> , 1-37		
250	Unsupervised Trajectory Modeling Based on Discrete Descriptors for Classifying Moving Objects in Video Sequences <b>2018</b> ,		2
249	a Multi-Perspective Approach to Anomaly Detection for Self -Aware Embodied Agents <b>2018</b> ,		12
248	ANOMALY DETECTION IN CROWDS USING MULTI SENSORY INFORMATION <b>2018</b> ,		2
247	Fast but Not Deep: Efficient Crowd Abnormality Detection with Local Binary Tracklets <b>2018</b> ,		4
246	Learning Switching Models for Abnormality Detection for Autonomous Driving <b>2018</b> ,		24
245	<b>2018</b> ,		14
244	Hierarchy of Gans for Learning Embodied Self-Awareness Model <b>2018</b> ,		5
243	Effects of Ambient Lighting Displays on Peripheral Activity Awareness. <i>IEEE Access</i> , <b>2017</b> , 5, 9318-9335	3.5	14
242	Re-framing the characteristics of concepts and their relation to learning and cognition in artificial agents. <i>Cognitive Systems Research</i> , <b>2017</b> , 44, 50-68	4.8	12
241	Designing for action: An evaluation of Social Recipes in reducing food waste. <i>International Journal of Human Computer Studies</i> , <b>2017</b> , 100, 18-32	4.6	25
240	Average consensus-based asynchronous tracking <b>2017</b> ,		2
239	Jammer detection algorithm for wide-band radios using spectral correlation and neural networks <b>2017</b> ,		3
238	Unsupervised understanding of location and illumination changes in egocentric videos. <i>Pervasive and Mobile Computing</i> , <b>2017</b> , 40, 414-429	3.5	4
237	Defense against jamming attacks in wide-band radios using cyclic spectral analysis and compressed sensing <b>2017</b> ,		1
236	Energy Detection in Multi-user Relay Networks. <i>Wireless Personal Communications</i> , <b>2017</b> , 97, 3891-3900	1.9	
235	Dynamic representations for autonomous driving <b>2017</b> ,		3
234	Modeling and classification of trajectories based on a Gaussian process decomposition into discrete components <b>2017</b> ,		2

233	Static force field representation of environments based on agents' nonlinear motions. <i>Eurasip Journal on Advances in Signal Processing</i> , <b>2017</b> , 2017,	1.9	14
232	Left/right hand segmentation in egocentric videos. <i>Computer Vision and Image Understanding</i> , <b>2017</b> , 154, 73-81	4.3	9
231	Active estimation of motivational spots for modeling dynamic interactions <b>2017</b> ,		2
230	Abnormal event detection in videos using generative adversarial nets <b>2017</b> ,		162
229	Cyclostationary-based jammer detection for wideband radios using compressed sensing and artificial neural network. <i>International Journal of Distributed Sensor Networks</i> , <b>2017</b> , 13, 155014771774890	1.7	2
228	Defense against stealthy jamming attacks in wide-band radios: A physical layer approach <b>2017</b> ,		1
227	<b>2017</b> ,		1
226	Stealthy jammer detection algorithm for wide-band radios: A physical layer approach <b>2017</b> ,		2
225	Hand pose recognition in First Person Vision through graph spectral analysis <b>2017</b> ,		3
224	Presenting a Real-Time Activity-Based Bidirectional Framework for Improving Social Connectedness. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 356-367	0.9	1
223	Evaluating Human Activity-Based Ambient Lighting Displays for Effective Peripheral Communication <b>2017</b> ,		2
222	Multi-camera object tracking using surprisal observations in visual sensor networks. <i>Eurasip Journal on Advances in Signal Processing</i> , <b>2016</b> , 2016,	1.9	8
221	Cognitive Radio as the Facilitator for Advanced Communications Electronic Warfare Solutions. <i>Journal of Signal Processing Systems</i> , <b>2016</b> , 83, 29-44	1.4	6
220	Online Nonparametric Bayesian Activity Mining and Analysis From Surveillance Video. <i>IEEE Transactions on Image Processing</i> , <b>2016</b> , 25, 2089-102	8.7	33
219	Bayesian Analysis of Behaviors and Interactions for Situation Awareness in Transportation Systems. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2016</b> , 17, 313-322	6.1	10
218	A Hierarchical Bayesian Model for Crowd Emotions. <i>Frontiers in Computational Neuroscience</i> , <b>2016</b> , 10, 63	3.5	4
217	CNN-aware binary MAP for general semantic segmentation <b>2016</b> ,		4
216	Promoting Social Connectedness through Human Activity-Based Ambient Displays <b>2016</b> ,		13

215	Improving Awareness and Social Connectedness through the Social Hue <b>2016,</b>		7
214	A Cognitive Control-Inspired Approach to Object Tracking. <i>IEEE Transactions on Image Processing,</i> <b>2016,</b> 25, 2697-2711	8.7	7
213	GPU Accelerated Left/Right Hand-Segmentation in First Person Vision. <i>Lecture Notes in Computer Science,</i> <b>2016,</b> 504-517	0.9	3
212	The Evolution of First Person Vision Methods: A Survey. <i>IEEE Transactions on Circuits and Systems for Video Technology,</i> <b>2015,</b> 25, 744-760	6.4	124
211	Optimizing Superpixel Clustering for Real-Time Egocentric-Vision Applications. <i>IEEE Signal Processing Letters,</i> <b>2015,</b> 22, 469-473	3.2	5
210	Bio-inspired relevant interaction modelling in cognitive crowd management. <i>Journal of Ambient Intelligence and Humanized Computing,</i> <b>2015,</b> 6, 171-192	3.7	8
209	Correlation-based self-correcting tracking. <i>Neurocomputing,</i> <b>2015,</b> 152, 345-358	5.4	8
208	Cyclostationary-based jammer detection algorithm for wide-band radios using compressed sensing <b>2015,</b>		8
207	A particle filter based sequential trajectory classifier for behavior analysis in video surveillance <b>2015,</b>		7
206	Opportunistic Spectrum Access of Sparse Wideband in Stand-Alone and Cooperative Cognitive Radio Networks <b>2015,</b>		3
205	Towards a unified framework for hand-based methods in First Person Vision <b>2015,</b>		14
204	. <i>IEEE Transactions on Circuits and Systems for Video Technology,</i> <b>2015,</b> 25, 776-789	6.4	24
203	Online pedestrian group walking event detection using spectral analysis of motion similarity graph <b>2015,</b>		8
202	Filtering SVM frame-by-frame binary classification in a detection framework <b>2015,</b>		8
201	Compressed sensing based jammer detection algorithm for wide-band cognitive radio networks <b>2015,</b>		4
200	Advantages of dynamic analysis in HOG-PCA feature space for video moving object classification <b>2015,</b>		1
199	Perception of emotions from crowd dynamics <b>2015,</b>		4
198	A bio-inspired logical process for saliency detections in cognitive crowd monitoring <b>2015,</b>		4

197	Perception of Human Activities - A Means to Support Connectedness Between the Elderly and Their Caregivers <b>2015</b> ,		6
196	Application of Bayesian Techniques to Behavior Analysis in Maritime Environments. <i>Smart Innovation, Systems and Technologies</i> , <b>2015</b> , 175-183	0.5	2
195	Convolutional Neural Networks for Detecting and Mapping Crowds in First Person Vision Applications. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 475-485	0.9	1
194	E-COmate: What's Your Non-consumption?. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 486-499	0.9	0
193	A Dynamic Approach and a New Dataset for Hand-detection in First Person Vision. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 274-287	0.9	13
192	Event Based Switched Dynamic Bayesian Networks for Autonomous Cognitive Crowd Monitoring. <i>Augmented Vision and Reality</i> , <b>2014</b> , 93-122		5
191	Realistic Modeling of Agents in Crowd Simulations <b>2014</b> ,		4
190	Exploiting an event based state estimator in presence of sparse measurements in video analytics <b>2014</b> ,		1
189	Design implications for a community-based social recipe system <b>2014</b> ,		1
188	Energy Detection in Multihop Cooperative Diversity Networks: An Analytical Study. <i>International Journal of Distributed Sensor Networks</i> , <b>2014</b> , 10, 453248	1.7	4
187	Asymptotic detection performance of energy detector in fixed-gain cooperative relay networks <b>2014</b> ,		1
186	A fictitious play-based game-theoretical approach to alleviating jamming attacks for cognitive radios <b>2014</b> ,		15
185	Online Bayesian learning and classification of ship-to-ship interactions for port safety <b>2014</b> ,		1
184	A Sequential Classifier for Hand Detection in the Framework of Egocentric Vision <b>2014</b> ,		32
183	Bio-inspired probabilistic model for crowd emotion detection <b>2014</b> ,		6
182	Crowd Emotion Detection Using Dynamic Probabilistic Models. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 328-337	0.9	10
181	Unsupervised trajectory pattern classification using hierarchical Dirichlet Process Mixture hidden Markov model <b>2014</b> ,		16
180	Intelligent cognitive radio jamming - a game-theoretical approach. <i>Eurasip Journal on Advances in Signal Processing</i> , <b>2014</b> , 2014,	1.9	18

179	Event definition for stability preservation in bio-inspired cognitive crowd monitoring <b>2013</b> ,		2
178	<b>2013</b> ,		6
177	Analysis of Energy Detector in Cooperative Relay Networks for Cognitive Radios <b>2013</b> ,		6
176	Computationally Efficient Compressive Sensing in Wideband Cognitive Radios <b>2013</b> ,		4
175	Improved Throughput Performance in Wideband Cognitive Radios via Compressive Sensing <b>2013</b> ,		2
174	Security in Cognitive Radio Networks. <i>Advances in Wireless Technologies and Telecommunication Book Series</i> , <b>2013</b> , 301-335	0.2	4
173	People Count Estimation In Small Crowds <b>2012</b> ,		11
172	Distributed cognitive radio architecture with automatic frequency switching <b>2012</b> ,		4
171	Performance Evaluation of Multi-camera Visual Tracking <b>2012</b> ,		3
170	Resource coordination in Wireless Sensor Networks by combinatorial auction based method <b>2012</b> ,		3
169	A Bayesian Network for online evaluation of sparse features based multitarget tracking <b>2012</b> ,		4
168	Early fire and smoke detection based on colour features and motion analysis <b>2012</b> ,		21
167	Comparison among Cognitive Radio Architectures for Spectrum Sensing. <i>Eurasip Journal on Wireless Communications and Networking</i> , <b>2011</b> , 2011,	3.2	6
166	A bio-inspired system model for interactive surveillance applications. <i>Journal of Ambient Intelligence and Smart Environments</i> , <b>2011</b> , 3, 147-163	2.2	5
165	Efficient framework for extended visual object tracking <b>2011</b> ,		2
164	A general Bayesian algorithm for visual object tracking based on sparse features <b>2011</b> ,		2
163	Interaction modeling in automotive applications: A cognitive approach <b>2011</b> ,		1
162	Online failure detection and correction for Bayesian sparse feature-based object tracking <b>2011</b> ,		3



161	Distributed Intelligent Surveillance Systems Modeling for Performance Evaluation. <i>Studies in Computational Intelligence</i> , <b>2011</b> , 23-45	0.8	
160	Fast and correspondence-less camera motion estimation based on voting mechanism and morton codes <b>2010</b> ,		2
159	A comparison among cooperative spectrum sensing approaches for cognitive radios <b>2010</b> ,		2
158	GHT based implementation of the expectation maximization for mixtures of multi-Gaussians and its applications to video tracking <b>2010</b> ,		1
157	Bayesian Tracking for Video Analytics. <i>IEEE Signal Processing Magazine</i> , <b>2010</b> , 27, 46-55	9.4	23
156	Video Analytics for Surveillance: Theory and Practice [From the Guest Editors]. <i>IEEE Signal Processing Magazine</i> , <b>2010</b> , 27, 16-17	9.4	47
155	Cognitive Radios With Multiple Antennas Exploiting Spatial Opportunities. <i>IEEE Transactions on Signal Processing</i> , <b>2010</b> , 58, 4453-4459	4.8	41
154	Human action recognition using the motion of interest points <b>2010</b> ,		1
153	Interaction Analysis with a Bayesian Trajectory Model. <i>IEEE Intelligent Systems</i> , <b>2010</b> , 25, 32-40	4.2	26
152	Interaction Modeling and Prediction in Smart Spaces: A Bio-Inspired Approach Based on Autobiographical Memory. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , <b>2010</b> , 40, 1191-1205		16
151	A Comparison between Stand-Alone and Distributed Architectures for Spectrum Hole Detection <b>2010</b> ,		1
150	Driver Behavior Assessment by On-board/Off-board Video Context Analysis. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 450-459	0.9	1
149	Multi-Modal Data Fusion Techniques and Applications <b>2009</b> , 213-237		5
148	Signal classification based on spectral redundancy and neural network ensembles <b>2009</b> ,		2
147	Bayesian Bio-inspired Model for Learning Interactive Trajectories <b>2009</b> ,		3
146	OFDM Recognition Based on Cyclostationary Analysis in an Open Spectrum Scenario <b>2009</b> ,		11
145	Multitarget tracking with a corner-based particle filter <b>2009</b> ,		2
144	Distributed Cognitive Sensor Network Approach for Surveillance Applications <b>2009</b> ,		7

143	Heterogeneous Sensors Data Fusion Issues for Harbour Security. <i>NATO Science for Peace and Security Series C: Environmental Security</i> , <b>2009</b> , 233-241	0.3	
142	Bio-inspired Cognitive Radio for Dynamic Spectrum Access <b>2009</b> , 131-154		
141	Embodied Cognition-Based Distributed Spectrum Sensing for Autonomic Wireless Systems <b>2009</b> , 179-203		
140	Multiple cue adaptive tracking of deformable objects with Particle Filter <b>2008</b> ,		2
139	Feature Classification for Robust Shape-Based Collaborative Tracking and Model Updating. <i>Eurasip Journal on Image and Video Processing</i> , <b>2008</b> , 2008, 1-21	2.5	2
138	Tracking Using Continuous Shape Model Learning in the Presence of Occlusion. <i>Eurasip Journal on Advances in Signal Processing</i> , <b>2008</b> , 2008,	1.9	2
137	Tracking by using dynamic shape model learning in the presence of occlusion <b>2007</b> ,		3
136	Particle PHD Filtering for Multi-Target Visual Tracking <b>2007</b> ,		42
135	A particle filter based fusion framework for video-radio tracking in smart spaces <b>2007</b> ,		6
134	A Comparison of Different Approaches to Nonlinear Shift Estimation for Object Tracking <b>2007</b> ,		1
133	A Bio-inspired Learning Approach for the Classification of Risk Zones in a Smart Space <b>2007</b> ,		5
132	A Nonlinear-Shift Approach to Object Tracking Based on Shape Information <b>2007</b> ,		1
131	MAP Particle Selection in Shape-Based Object Tracking <b>2007</b> ,		3
130	Neural Networks Mode Classification based on Frequency Distribution Features <b>2007</b> ,		3
129	Spectrum sensing: A distributed approach for cognitive terminals. <i>IEEE Journal on Selected Areas in Communications</i> , <b>2007</b> , 25, 546-557	14.2	143
128	Video-radio fusion approach for target tracking in smart spaces <b>2007</b> ,		4
127	Self-organizing shape description for tracking and classifying multiple interacting objects. <i>Image and Vision Computing</i> , <b>2006</b> , 24, 1179-1191	3.7	8
126	A Distributed Wireless Sensor Network for Radio Scene Analysis. <i>International Journal of Distributed Sensor Networks</i> , <b>2006</b> , 2, 201-223	1.7	4

125	A New Method for Real Time Abandoned Object Detection and Owner Tracking <b>2006</b> ,		13
124	Classification of Unattended and Stolen Objects in Video-Surveillance System <b>2006</b> ,		25
123	Dynamic Scene Reconstruction for Efficient Remote Surveillance <b>2006</b> ,		3
122	Dynamic Scene Reconstruction for 3D Virtual Guidance. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 179-186.9		1
121	Structured context-analysis techniques in biologically inspired ambient-intelligence systems. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , <b>2005</b> , 35, 106-120		13
120	Visual-centric surveillance networks and services [Guest Editorial]. <i>IEEE Signal Processing Magazine</i> , <b>2005</b> , 22, 12-15	9-4	13
119	Cooperative multisensor system for real-time face detection and tracking in uncontrolled conditions <b>2005</b> ,		4
118	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> , <b>2005</b> , 85, 505-522	4-4	6
117	<b>2005</b> ,		9
116	Dual camera intelligent sensor for high definition 360 degrees surveillance. <i>IET Computer Vision</i> , <b>2005</b> , 152, 250		46
115	Video and Radio Attributes Extraction For Heterogeneous Location Estimation <b>2005</b> , 63-87		1
114	VIDEO PROCESSING AND UNDERSTANDING TOOLS FOR AUGMENTED MULTISENSOR PERCEPTION AND MOBILE USER INTERACTION IN SMART SPACES. <i>International Journal of Image and Graphics</i> , <b>2005</b> , 05, 679-698	0.5	2
113	Radio map fusion for indoor positioning in wireless local area networks <b>2005</b> ,		14
112	Inferring Cause/Effect Relationships in Multi-sensor Ambient Intelligence Systems. <i>Lecture Notes in Computer Science</i> , <b>2005</b> , 100-107	0.9	
111	W-band physical layer design issues in the context of the DAVIDDCE experiment. <i>International Journal of Satellite Communications and Networking</i> , <b>2004</b> , 22, 193-215	1.7	15
110	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> , <b>2004</b> , 2004, 1	1.9	28
109	From multi-sensor surveillance towards smart interactive spaces <b>2003</b> ,		3
108	. <i>IEEE Transactions on Vehicular Technology</i> , <b>2002</b> , 51, 1165-1185	6.8	19

107	A real-time algorithm for error recovery in remote video-based surveillance applications. <i>Signal Processing: Image Communication</i> , <b>2002</b> , 17, 165-186	2.8	3
106	Extending Real Time Change-Detection Techniques to Mosaic Backgrounds and Mobile Camera Sequences in Surveillance Systems. <i>IETE Journal of Research</i> , <b>2002</b> , 48, 151-161	0.9	1
105	. <i>IEEE Transactions on Multimedia</i> , <b>2002</b> , 4, 459-471	6.6	35
104	Intelligence Distribution of a Third Generation People Counting System Transmitting Information Over an Urban Digital Radio Link <b>2002</b> , 251-265		
103	Advanced image-processing tools for counting people in tourist site-monitoring applications. <i>Signal Processing</i> , <b>2001</b> , 81, 1017-1040	4.4	39
102	Special issue on video communications, processing, and understanding for third generation surveillance systems. <i>Proceedings of the IEEE</i> , <b>2001</b> , 89, 1355-1539	14.3	70
101	. <i>Proceedings of the IEEE</i> , <b>2001</b> , 89, 1419-1440	14.3	47
100	Use of intelligent sensors and software radio technologies for optimal design of reconfigurable multimedia surveillance networks <b>2001</b> , 39, 156-163		7
99	Distribution of Intelligence and Radio Link Configurability in Wireless Video-based Surveillance Networks <b>2001</b> , 129-142		1
98	A distributed surveillance system for detection of abandoned objects in unmanned railway environments. <i>IEEE Transactions on Vehicular Technology</i> , <b>2000</b> , 49, 2013-2026	6.8	47
97	A hierarchical approach to feature extraction and grouping. <i>IEEE Transactions on Image Processing</i> , <b>2000</b> , 9, 1056-74	8.7	11
96	Real-time video-shot detection for scene surveillance applications. <i>IEEE Transactions on Image Processing</i> , <b>2000</b> , 9, 69-79	8.7	83
95	Correlation bandwidth characteristics for paths between base station and building roofs. <i>IEEE Transactions on Vehicular Technology</i> , <b>1999</b> , 48, 295-300	6.8	1
94	Vehicle recognition and tracking from road image sequences. <i>IEEE Transactions on Vehicular Technology</i> , <b>1999</b> , 48, 301-318	6.8	36
93	Statistical morphological skeleton for representing and coding noisy shapes. <i>IET Computer Vision</i> , <b>1999</b> , 146, 85		2
92	ROC curves for performance evaluation of video sequences processing systems for surveillance applications <b>1999</b> ,		9
91	Non-Gaussian characterization of DS/CDMA noise in few-user systems with complex signature sequences. <i>IEEE Transactions on Signal Processing</i> , <b>1999</b> , 47, 234-237	4.8	5
90	Real-time error correction algorithm for noise-corrupted JPEG bit-streams. <i>Electronics Letters</i> , <b>1999</b> , 35, 1147	1.1	1

89	Use of Advanced Video Surveillance and Communication Technologies for Remote Monitoring of Protected Sites <b>1999</b> , 154-164		4
88	Performance Evaluation Strategies of an Image Processing System for Surveillance Applications <b>1999</b> , 76-90		7
87	Circuit realization of Markov random fields for analog image processing. <i>International Journal of Circuit Theory and Applications</i> , <b>1998</b> , 26, 477-498	2	4
86	HOS-based generalized noise pdf models for signal detection optimization. <i>Signal Processing</i> , <b>1998</b> , 65, 267-281	4.4	23
85	A probabilistic approach to the coupled reconstruction and restoration of underwater acoustic images. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>1998</b> , 20, 9-22	13.3	33
84	Group-membership reinforcement for straight edges based on Bayesian networks. <i>IEEE Transactions on Image Processing</i> , <b>1998</b> , 7, 1321-39	8.7	3
83	A Belief-Based Approach for Adaptive Image Processing. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , <b>1997</b> , 11, 359-392	1.1	3
82	A new approach to vector median filtering based on space filling curves. <i>IEEE Transactions on Image Processing</i> , <b>1997</b> , 6, 1025-37	8.7	31
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37	SOM based algorithm for video surveillance system parameter optimal selection		3
36	Maximum likelihood estimation of carrier offset in a variable bit rate orthogonal multicarrier CDMA		2

35	A novel method for graffiti detection using change detection algorithm	8
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33	A video surveillance architecture for alarm generation and video sequences retrieval	4
32	Multisensor surveillance systems based on image and video data	5
31	Robust tracking of humans and vehicles in cluttered scenes with occlusions	15
30	"A multi-resolution outdoor dual camera system for robust video-event metadata extraction"	1
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