

Urbano Jose C Nunes

List of Publications by Year in descending order

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187
papers

5,427
citations

147801

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h-index

138484

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191
all docs

191
docs citations

191
times ranked

4990
citing authors

#	ARTICLE	IF	CITATIONS
1	Spatial filtering based on Riemannian distance to improve the generalization of ErrP classification. <i>Neurocomputing</i> , 2022, 470, 236-246.	5.9	5
2	Sort and Deep-SORT Based Multi-Object Tracking for Mobile Robotics: Evaluation with New Data Association Metrics. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 1319.	2.5	26
3	Visuo-auditory stimuli with semantic, temporal and spatial congruence for a P300-based BCI: An exploratory test with an ALS patient in a completely locked-in state. <i>Journal of Neuroscience Methods</i> , 2022, 379, 109661.	2.5	4
4	GPU-accelerated uncapacitated facility location and semi-dense SymStereo pipelines for piecewise-planar-based 3D reconstruction. <i>Journal of Real-Time Image Processing</i> , 2021, 18, 445-461.	3.5	0
5	A Reinforcement Learning Assisted Eye-Driven Computer Game Employing a Decision Tree-Based Approach and CNN Classification. <i>IEEE Access</i> , 2021, 9, 46011-46021.	4.2	4
6	A Self-Paced BCI With a Collaborative Controller for Highly Reliable Wheelchair Driving: Experimental Tests With Physically Disabled Individuals. <i>IEEE Transactions on Human-Machine Systems</i> , 2021, 51, 109-119.	3.5	42
7	Human Activity Recognition for Indoor Robotics: A Deep Learning Based Approach Using a Human Detection Stage. , 2021, , .		3
8	A User Identification System based on Code-modulated Visual Evoked Potentials with LED Stimulation. , 2021, , .		0
9	Spatiotemporal 2D Skeleton-based Image for Dynamic Gesture Recognition Using Convolutional Neural Networks. , 2021, , .		1
10	Cross-Subject Zero Calibration Driver's Drowsiness Detection: Exploring Spatiotemporal Image Encoding of EEG Signals for Convolutional Neural Network Classification. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2021, 29, 905-915.	4.9	33
11	CNN-based Approaches For Cross-Subject Classification in Motor Imagery: From the State-of-The-Art to DynamicNet. , 2021, , .		10
12	A Deep Learning-based Indoor Scene Classification Approach Enhanced with Inter-Object Distance Semantic Features. , 2021, , .		4
13	Reinforcement Learning Aided Robot-Assisted Navigation: A Utility and RRT Two-Stage Approach. <i>International Journal of Social Robotics</i> , 2020, 12, 689-707.	4.6	8
14	An Experimental Study of the Accuracy vs Inference Speed of RGB-D Object Recognition in Mobile Robotics. , 2020, , .		2
15	Deep-Learning based Global and Semantic Feature Fusion for Indoor Scene Classification. , 2020, , .		7
16	Regenerative braking system modeling by fuzzy Q-Learning. <i>Engineering Applications of Artificial Intelligence</i> , 2020, 93, 103712.	8.1	15
17	Expressive Robotic Head for Human-Robot Interaction Studies. <i>IFMBE Proceedings</i> , 2020, , 1627-1637.	0.3	0
18	Improving Local Motion Planning with a Reinforcement Learning Approach. , 2020, , .		2

#	ARTICLE	IF	CITATIONS
19	CNN-based Human Detection Using a 3D LiDAR onboard a UAV. , 2020, , .		9
20	Detection of Stressful Situations Using GSR While Driving a BCI-controlled Wheelchair. , 2019, 2019, 1651-1656.		4
21	Weighted Euclidean Steiner Trees for Disaster-Aware Network Design. , 2019, , .		7
22	Mobile Robot Localization with Reinforcement Learning Map Update Decision aided by an Absolute Indoor Positioning System. , 2019, , .		5
23	Naturally embedded SSVEP phase tagging in a P300-based BCI: LSC-4Q speller*. , 2019, , .		1
24	Reinforcement Learning Motion Planning for an EOG-centered Robot Assisted Navigation in a Virtual Environment. , 2019, , .		1
25	Absolute Indoor Positioning-aided Laser-based Particle Filter Localization with a Refinement Stage. , 2019, , .		6
26	Markerless Multi-View-based Multi-User Head Tracking System for Virtual Reality Applications. , 2019, , .		3
27	A study of the environmental impacts of intelligent automated vehicle control at intersections via V2V and V2I communications. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2019, 23, 41-59.	4.2	26
28	Set-Membership Position Estimation With GNSS Pseudorange Error Mitigation Using Lane-Boundary Measurements. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 185-194.	8.0	8
29	Parallel refinement of slanted 3D reconstruction using dense stereo induced from symmetry. Journal of Real-Time Image Processing, 2019, 16, 1037-1055.	3.5	6
30	Real-Time Deep ConvNet-Based Vehicle Detection Using 3D-LIDAR Reflection Intensity Data. Advances in Intelligent Systems and Computing, 2018, , 475-486.	0.6	8
31	Multimodal vehicle detection: fusing 3D-LIDAR and color camera data. Pattern Recognition Letters, 2018, 115, 20-29.	4.2	148
32	Double ErrP Detection for Automatic Error Correction in an ERP-Based BCI Speller. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2018, 26, 26-36.	4.9	53
33	Generalization of ErrP-Calibration for Different Error-Rates in P300-Based BCIs. , 2018, , .		4
34	Robot-Assisted Navigation for a Robotic Walker with Aided User Intent. , 2018, , .		7
35	HMAPs - Hybrid Height- Voxel Maps for Environment Representation. , 2018, , .		2
36	Multimodal CNN Pedestrian Classification: A Study on Combining LIDAR and Camera Data. , 2018, , .		25

#	ARTICLE	IF	CITATIONS
37	Measuring the impact of reinforcement learning on an electrooculography-only computer game. , 2018, , .		4
38	Modular software architecture for human-robot interaction applied to the InterBot mobile robot. , 2018, , .		11
39	Extrinsic calibration of multi-modal sensor arrangements with non-overlapping field-of-view. Machine Vision and Applications, 2017, 28, 141-155.	2.7	10
40	Editorial Introduction to the Special Issue on Safety and Security of Intelligent Vehicles [Guest Editorial]. IEEE Intelligent Transportation Systems Magazine, 2017, 9, 6-7.	3.8	0
41	Pure visual imagery as a potential approach to achieve three classes of control for implementation of BCI in non-motor disorders. Journal of Neural Engineering, 2017, 14, 046026.	3.5	29
42	Cooperative GNSS positioning aided by road-features measurements. Transportation Research Part C: Emerging Technologies, 2017, 79, 42-57.	7.6	15
43	Emotional state detection based on EMG and EOG biosignals: A short survey. , 2017, , .		17
44	ISR-RobotHead: Robotic head with LCD-based emotional expressiveness. , 2017, , .		5
45	ISR-AIWALKER: Robotic Walker for Intuitive and Safe Mobility Assistance and Gait Analysis. IEEE Transactions on Human-Machine Systems, 2017, 47, 1110-1122.	3.5	39
46	3D point cloud downsampling for 2D indoor scene modelling in mobile robotics. , 2017, , .		11
47	Importance Weighted Import Vector Machine for Unsupervised Domain Adaptation. IEEE Transactions on Cybernetics, 2017, 47, 3280-3292.	9.5	17
48	Dynamic Bayesian network for semantic place classification in mobile robotics. Autonomous Robots, 2017, 41, 1161-1172.	4.8	26
49	A Multilevel Body Motion-Based Human Activity Analysis Methodology. IEEE Transactions on Cognitive and Developmental Systems, 2017, 9, 16-29.	3.8	12
50	SSIV 2017 Welcome. , 2017, , .		0
51	DepthCN: Vehicle detection using 3D-LIDAR and ConvNet. , 2017, , .		53
52	Introduction to SSIV 2016. , 2016, , .		0
53	Control of Brain Activity in hMT+/V5 at Three Response Levels Using fMRI-Based Neurofeedback/BCI. PLoS ONE, 2016, 11, e0155961.	2.5	11
54	High-resolution LIDAR-based depth mapping using bilateral filter. , 2016, , .		43

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55	Social activity recognition based on probabilistic merging of skeleton features with proximity priors from RGB-D data. , 2016, , .		24
56	3D object tracking using RGB and LIDAR data. , 2016, , .		48
57	3D object tracking in driving environment: A short review and a benchmark dataset. , 2016, , .		4
58	3D Lidar-based static and moving obstacle detection in driving environments: An approach based on voxels and multi-region ground planes. Robotics and Autonomous Systems, 2016, 83, 299-311.	5.1	181
59	A New Hybrid Motion Planner: Applied in a Brain-Actuated Robotic Wheelchair. IEEE Robotics and Automation Magazine, 2016, 23, 82-93.	2.0	38
60	Welcome message from the program chairs of IEEE ITSC 2016. , 2016, , .		0
61	Probabilistic Social Behavior Analysis by Exploring Body Motion-Based Patterns. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2016, 38, 1679-1691.	13.9	14
62	Piecewise-planar reconstruction using two views. Image and Vision Computing, 2016, 46, 47-63.	4.5	5
63	Real-time Application for Monitoring Human Daily Activity and Risk Situations in Robot-Assisted Living. Advances in Intelligent Systems and Computing, 2016, , 449-461.	0.6	6
64	Toward a reliable gaze-independent hybrid BCI combining visual and natural auditory stimuli. Journal of Neuroscience Methods, 2016, 261, 47-61.	2.5	12
65	ISRUC-Sleep: A comprehensive public dataset for sleep researchers. Computer Methods and Programs in Biomedicine, 2016, 124, 180-192.	4.7	175
66	Two-Stage Static/Dynamic Environment Modeling Using Voxel Representation. Advances in Intelligent Systems and Computing, 2016, , 465-476.	0.6	7
67	Polar-Grid Representation and Kriging-Based 2.5D Interpolation for Urban Environment Modelling. , 2015, , .		2
68	Workshop on Safety and Security of Intelligent Vehicles (SSIV). , 2015, , .		0
69	Simultaneous Segmentation and Superquadrics Fitting in Laser-Range Data. IEEE Transactions on Vehicular Technology, 2015, 64, 441-452.	6.3	20
70	Probabilistic human daily activity recognition towards robot-assisted living. , 2015, , .		21
71	Applying probabilistic Mixture Models to semantic place classification in mobile robotics. , 2015, , .		14
72	Collaborative Vehicle Self-Localization Using Multi-GNSS Receivers and V2V/V2I Communications. , 2015, , .		11

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73	Detection and Tracking of Moving Objects Using 2.5D Motion Grids. , 2015, , .		33
74	A novel vision-based human-machine interface for a robotic walker framework. , 2015, , .		5
75	A two-step automatic sleep stage classification method with dubious range detection. Computers in Biology and Medicine, 2015, 59, 42-53.	7.0	47
76	Multiplatooning Leaders Positioning and Cooperative Behavior Algorithms of Communicant Automated Vehicles for High Traffic Capacity. IEEE Transactions on Intelligent Transportation Systems, 2015, 16, 1172-1187.	8.0	74
77	Perception and Planning for Autonomous Vehicles [Guest Editorial]. IEEE Intelligent Transportation Systems Magazine, 2015, 7, 6-7.	3.8	1
78	Electrical vehicle modeling: A fuzzy logic model for regenerative braking. Expert Systems With Applications, 2015, 42, 8504-8519.	7.6	68
79	Iris Recognition using Robust Localization and Nonsampled Contourlet Based Features. Journal of Signal Processing Systems, 2015, 81, 111-128.	2.1	18
80	Distributed dense stereo matching for 3D reconstruction using parallel-based processing advantages. , 2015, , .		1
81	Facial Expression Recognition based on EOG toward Emotion Detection for Human-Robot Interaction. , 2015, , .		10
82	Mobility, Accessibility and Safety of People with Cerebral Palsy. , 2015, , .		0
83	A probabilistic approach for human everyday activities recognition using body motion from RGB-D images. , 2014, , .		56
84	An RRT-based navigation approach for mobile robots and automated vehicles. , 2014, , .		9
85	Road Detection Using High Resolution LIDAR. , 2014, , .		20
86	Modelling an Electric Vehicle Powertrain on Bench. , 2014, , .		7
87	Pedestrian detection combining RGB and dense LIDAR data. , 2014, , .		120
88	Using the GPU for fast symmetry-based dense stereo matching in high resolution images. , 2014, , .		4
89	Eigenvalue decay: A new method for neural network regularization. Neurocomputing, 2014, 124, 33-42.	5.9	60
90	Special Issue on Perception and Navigation for Autonomous Vehicles [From the Guest Editors]. IEEE Robotics and Automation Magazine, 2014, 21, 26-27.	2.0	12

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91	Assisted navigation for a brain-actuated intelligent wheelchair. <i>Robotics and Autonomous Systems</i> , 2013, 61, 245-258.	5.1	82
92	Automatic sleep staging: A computer assisted approach for optimal combination of features and polysomnographic channels. <i>Expert Systems With Applications</i> , 2013, 40, 7046-7059.	7.6	107
93	Learning to segment roads for traffic analysis in urban images. , 2013, , .		7
94	Fast and Accurate Calibration of a Kinect Sensor. , 2013, , .		39
95	A spacecraft game controlled with a brain-computer interface using SSVEP with phase tagging. , 2013, , .		11
96	Pedestrian detection based on LIDAR-driven sliding window and relational parts-based detection. , 2013, , .		8
97	Intelligent traffic management at intersections: Legacy mode for vehicles not equipped with V2V and V2I communications. , 2013, , .		26
98	Pedestrian detection in far infrared images. <i>Integrated Computer-Aided Engineering</i> , 2013, 20, 347-360.	4.6	79
99	Fusing LIDAR, camera and semantic information: A context-based approach for pedestrian detection. <i>International Journal of Robotics Research</i> , 2013, 32, 371-384.	8.5	50
100	Improving the Generalization Capacity of Cascade Classifiers. <i>IEEE Transactions on Cybernetics</i> , 2013, 43, 2135-2146.	9.5	14
101	IROS 2012 - Robotics for Quality of Life and Sustainable Development [Society News]. <i>IEEE Robotics and Automation Magazine</i> , 2013, 20, 110-114.	2.0	0
102	ISRobotCar: The autonomous electric vehicle project. , 2012, , .		9
103	Can stereo vision replace a Laser Rangefinder?. , 2012, , .		7
104	Intelligent traffic management at intersections supported by V2V and V2I communications. , 2012, , .		52
105	Autonomous electric vehicle: Steering and path-following control systems. , 2012, , .		21
106	Platooning with DSRC-based IVC-enabled autonomous vehicles: Adding infrared communications for IVC reliability improvement. , 2012, , .		26
107	RobChair: Experiments evaluating Brain-Computer Interface to steer a semi-autonomous wheelchair. , 2012, , .		7
108	Comparison of a row-column speller vs. a novel lateral single-character speller: Assessment of BCI for severe motor disabled patients. <i>Clinical Neurophysiology</i> , 2012, 123, 1168-1181.	1.5	88

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109	Evaluation of Brain-computer Interfaces in Accessing Computer and other Devices by People with Severe Motor Impairments. <i>Procedia Computer Science</i> , 2012, 14, 283-292.	2.0	25
110	Inter-vehicle sensor fusion for accurate vehicle localization supported by V2V and V2I communications. , 2012, , .		27
111	A Minimal Solution for the Extrinsic Calibration of a Camera and a Laser-Rangefinder. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2012, 34, 2097-2107.	13.9	140
112	Adaptive automatic sleep stage classification under covariate shift. , 2012, 2012, 2259-62.		18
113	Platooning With IVC-Enabled Autonomous Vehicles: Strategies to Mitigate Communication Delays, Improve Safety and Traffic Flow. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2012, 13, 91-106.	8.0	256
114	Introduction to the Special Issue on Emergent Cooperative Technologies in Intelligent Transportation Systems. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2012, 13, 1-5.	8.0	27
115	Awareness of Road Scene Participants for Autonomous Driving. , 2012, , 1383-1432.		24
116	Algorithms for management of a multi-platooning system of IVC-enabled autonomous vehicles, with high traffic capacity. , 2011, , .		9
117	Electric vehicle simulator for energy consumption studies in electric mobility systems. , 2011, , .		68
118	Playing Tetris with non-invasive BCI. , 2011, , .		48
119	GIBS block speller: Toward a gaze-independent P300-based BCI. , 2011, 2011, 6360-4.		17
120	Evaluation of Boosting-SVM and SRM-SVM cascade classifiers in laser and vision-based pedestrian detection. , 2011, , .		11
121	Wheelchair navigation assisted by Human-Machine shared-control and a P300-based Brain Computer Interface. , 2011, , .		26
122	Wheelchair navigation assisted by human-machine shared-control and a P300-based Brain Computer Interface. , 2011, , .		4
123	Statistical spatial filtering for a P300-based BCI: Tests in able-bodied, and patients with cerebral palsy and amyotrophic lateral sclerosis. <i>Journal of Neuroscience Methods</i> , 2011, 195, 270-281.	2.5	116
124	Extending a smart wheelchair navigation by stress sensors. , 2011, , .		4
125	Efficient feature selection for sleep staging based on maximal overlap discrete wavelet transform and SVM. , 2011, 2011, 3306-9.		41
126	Welcome message from conference general chair. , 2010, , .		0

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127	Semantic fusion of laser and vision in pedestrian detection. Pattern Recognition, 2010, 43, 3648-3659.	8.1	41
128	On Exploration of Classifier Ensemble Synergism in Pedestrian Detection. IEEE Transactions on Intelligent Transportation Systems, 2010, 11, 16-27.	8.0	51
129	A cascade classifier applied in pedestrian detection using laser and image-based features. , 2010, , .		19
130	Context-aware pedestrian detection using LIDAR. , 2010, , .		14
131	Assisted navigation based on shared-control, using discrete and sparse human-machine interfaces. , 2010, 2010, 471-4.		13
132	Platooning of autonomous vehicles with intervehicle communications in SUMO traffic simulator. , 2010, , .		70
133	Novel Maximum-Margin Training Algorithms for Supervised Neural Networks. IEEE Transactions on Neural Networks, 2010, 21, 972-984.	4.2	76
134	Camera Pose Estimation Using Images of Planar Mirror Reflections. Lecture Notes in Computer Science, 2010, , 382-395.	1.3	34
135	A Brain Computer Interface methodology based on a visual P300 paradigm. , 2009, , .		10
136	An assisted navigation training framework based on judgment theory using sparse and discrete human-machine interfaces. , 2009, 2009, 4603-6.		0
137	Exploiting LIDAR-based features on pedestrian detection in urban scenarios. , 2009, , .		55
138	A rule-based lens modeling approach for assisted navigation training. , 2009, , .		2
139	Guest Editorial Introducing Perception, Planning, and Navigation for Intelligent Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2009, 10, 375-379.	8.0	16
140	LIDAR and vision-based pedestrian detection system. Journal of Field Robotics, 2009, 26, 696-711.	6.0	156
141	Applications of information theory, genetic algorithms, and neural models to predict oil flow. Communications in Nonlinear Science and Numerical Simulation, 2009, 14, 2870-2885.	3.3	51
142	Trainable classifier-fusion schemes: An application to pedestrian detection. , 2009, , .		99
143	P300 spatial filtering and coherence-based channel selection. , 2009, , .		3
144	Support Vector Machines and Features for Environment Perception in Mobile Robotics. Studies in Computational Intelligence, 2008, , 219-250.	0.9	2

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145	Visual P300-based BCI to steer a wheelchair: A Bayesian approach. , 2008, 2008, 658-61.		58
146	Improving the Generalization Properties of Neural Networks: an Application to Vehicle Detection. , 2008, , .		12
147	On Integration of Features and Classifiers for Robust Vehicle Detection. , 2008, , .		13
148	Adaptation of powered wheelchairs for quadriplegic patients with reduced strength. , 2008, , .		7
149	Special Issue on ITSC 2006. IEEE Transactions on Intelligent Transportation Systems, 2008, 9, 1-4.	8.0	4
150	Smooth Trajectory Planning for Fully Automated Passengers Vehicles: Spline and Clothoid Based Methods and Its Simulation. , 2008, , 169-182.		39
151	Single-Trial EEG Classification of Movement Related Potential. , 2007, , .		7
152	An outdoor guidepath navigation system for AMRs based on robust detection of magnetic markers. , 2007, , .		10
153	Real-time architecture for mobile assistant robots. , 2007, , .		0
154	Real-Time Labeling of Places using Support Vector Machines. , 2007, , .		21
155	A Lidar and Vision-based Approach for Pedestrian and Vehicle Detection and Tracking. , 2007, , .		121
156	Trajectory planning and sliding-mode control based trajectory-tracking for cybercars. Integrated Computer-Aided Engineering, 2007, 14, 33-47.	4.6	61
157	Data fusion and path-following controllers comparison for autonomous vehicles. Nonlinear Dynamics, 2007, 49, 445-462.	5.2	25
158	A Fast Firing Binaural System for Ultrasonic Pattern Recognition. Journal of Intelligent and Robotic Systems: Theory and Applications, 2007, 50, 141-162.	3.4	5
159	Towards a Robust Vision-Based Obstacle Perception with Classifier Fusion in Cybercars. Lecture Notes in Computer Science, 2007, , 1089-1096.	1.3	2
160	Communications Requirements for Autonomous Mobile Robots: Analysis and Examples. , 2006, , 91-98.		0
161	Particle swarm-based olfactory guided search. Autonomous Robots, 2006, 20, 277-287.	4.8	172
162	COMMUNICATIONS REQUIREMENTS FOR AUTONOMOUS MOBILE ROBOTS: ANALYSIS AND EXAMPLES. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 91-98.	0.4	5

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163	Guest Editorial: Special Issue on Robotics Technologies for Intelligent Road Vehicles. Autonomous Robots, 2005, 19, 115-116.	4.8	2
164	Path-following control of mobile robots in presence of uncertainties. IEEE Transactions on Robotics, 2005, 21, 252-261.	10.3	111
165	Fusion of Odometry with Magnetic Sensors Using Kalman Filters and Augmented System Models for Mobile Robot Navigation. , 2005, , .		16
166	Data Fusion for Robotic Assembly Tasks Based on Human Skills. , 2004, 20, 941-952.		28
167	Path following control of a robotic wheelchair. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2004, 37, 179-184.	0.4	2
168	Using distributed systems in real-time control of autonomous vehicles. Robotica, 2003, 21, 271-281.	1.9	13
169	Lie algebra application to mobile robot control: a tutorial. Robotica, 2003, 21, 483-493.	1.9	56
170	Ultrasonic reflectors recognition with a fast firing system. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 285-291.	0.4	2
171	SpreadNose Distributed agents for environmental monitoring. , 2003, , .		4
172	Fuzzy control: cloning and Kalman-based learning. , 2002, , .		0
173	Olfaction-based mobile robot navigation. Thin Solid Films, 2002, 418, 51-58.	1.8	178
174	A Wheelchair Steered through Voice Commands and Assisted by a Reactive Fuzzy-Logic Controller. Journal of Intelligent and Robotic Systems: Theory and Applications, 2002, 34, 301-314.	3.4	123
175	Industrial Powder Coating Systems: Sensor-Based Spray Trajectory Control. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2001, 34, 109-114.	0.4	3
176	RobChair - A Semi-Autonomous Wheelchair for Disabled People. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1998, 31, 509-513.	0.4	7
177	Connectionist reinforcement learning of robot control skills. , 1998, , .		0
178	Sensor-based 3-D autonomous surface-following control. Mathematics and Computers in Simulation, 1996, 41, 429-444.	4.4	3
179	3D Surface-Tracking with a robot manipulator. Journal of Intelligent and Robotic Systems: Theory and Applications, 1996, 15, 401-417.	3.4	7
180	Integrating force, tactile and proximity sensing for a flexible robotic system through a modular design. , 1991, , 247-255.		0

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181	A distributed system for robotic multi-sensor integration. Industrial Metrology, 1990, 1, 217-229.	0.3	9
182	Explicit force control for manipulators with active observers. , 0, , .		6
183	Compliant motion control with stochastic active observers. , 0, , .		9
184	Reactive local navigation. , 0, , .		11
185	Path-tracking controller with an anti-collision behaviour of a bi-steerable cybernetic car. , 0, , .		8
186	Sensor fusion for precise autonomous vehicle navigation in outdoor semi-structured environments. , 0, , .		31
187	Fast Line, Arc/Circle and Leg Detection from Laser Scan Data in a Player Driver. , 0, , .		108