

Marcelo H Ang

List of Publications by Year in descending order

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219
papers

4,671
citations

236925

25
h-index

149698

56
g-index

226
all docs

226
docs citations

226
times ranked

4288
citing authors

#	ARTICLE	IF	CITATIONS
1	A Brain Controlled Wheelchair to Navigate in Familiar Environments. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2010, 18, 590-598.	4.9	449
2	Why Robots? A Survey on the Roles and Benefits of Social Robots in the Therapy of Children with Autism. International Journal of Social Robotics, 2013, 5, 593-618.	4.6	413
3	Perception, Planning, Control, and Coordination for Autonomous Vehicles. Machines, 2017, 5, 6.	2.2	397
4	Controlling a Wheelchair Indoors Using Thought. IEEE Intelligent Systems, 2007, 22, 18-24.	4.0	211
5	Multivehicle Cooperative Driving Using Cooperative Perception: Design and Experimental Validation. IEEE Transactions on Intelligent Transportation Systems, 2015, 16, 663-680.	8.0	172
6	Autonomous Exploration and Mapping System Using Heterogeneous UAVs and UGVs in GPS-Denied Environments. IEEE Transactions on Vehicular Technology, 2019, 68, 1339-1350.	6.3	130
7	A Survey on Perception Methods for Human-Robot Interaction in Social Robots. International Journal of Social Robotics, 2014, 6, 85-119.	4.6	100
8	A General Pipeline for 3D Detection of Vehicles. , 2018, , .		91
9	The Impact of Cooperative Perception on Decision Making and Planning of Autonomous Vehicles. IEEE Intelligent Transportation Systems Magazine, 2015, 7, 39-50.	3.8	90
10	Trajectory generation for open-contoured structures in robotic fibre placement. Robotics and Computer-Integrated Manufacturing, 2007, 23, 380-394.	9.9	84
11	Stiffness Customization and Patterning for Property Modulation of Silicone-Based Soft Pneumatic Actuators. Soft Robotics, 2017, 4, 251-260.	8.0	74
12	Nonlinear Double-Integral Observer and Application to Quadrotor Aircraft. IEEE Transactions on Industrial Electronics, 2015, 62, 1189-1200.	7.9	72
13	Synthetic 2D LIDAR for precise vehicle localization in 3D urban environment. , 2013, , .		70
14	A Brain-Controlled Wheelchair Based on P300 and Path Guidance. , 0, , .		69
15	A Two-Stage Optimized Next-View Planning Framework for 3-D Unknown Environment Exploration, and Structural Reconstruction. IEEE Robotics and Automation Letters, 2017, 2, 1680-1687.	5.1	67
16	Situation-aware decision making for autonomous driving on urban road using online POMDP. , 2015, , .		62
17	Singularity robust algorithm in serial manipulators. Robotics and Computer-Integrated Manufacturing, 2009, 25, 122-134.	9.9	61
18	Shape Prior Deformation for Categorical 6D Object Pose and Size Estimation. Lecture Notes in Computer Science, 2020, , 530-546.	1.3	53

#	ARTICLE	IF	CITATIONS
19	A walk-through programmed robot for welding in shipyards. <i>Industrial Robot</i> , 1999, 26, 377-388.	2.1	51
20	Curb-intersection feature based Monte Carlo Localization on urban roads. , 2012, , .		51
21	2D3D-Matchnet: Learning To Match Keypoints Across 2D Image And 3D Point Cloud. , 2019, , .		51
22	Specifying and achieving passive compliance based on manipulator structure. <i>IEEE Transactions on Automation Science and Engineering</i> , 1995, 11, 504-515.	2.3	50
23	Autonomic mobile sensor network with self-coordinated task allocation and execution. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2006, 36, 315-327.	2.9	44
24	Detection of Activities by Wireless Sensors for Daily Life Surveillance: Eating and Drinking. <i>Sensors</i> , 2009, 9, 1499-1517.	3.8	43
25	Car detection for autonomous vehicle: LIDAR and vision fusion approach through deep learning framework. , 2017, , .		43
26	Controlling a wheelchair using a BCI with low information transfer rate. , 2007, , .		39
27	Design and control of an end-effector for industrial finishing applications. <i>Robotics and Computer-Integrated Manufacturing</i> , 2018, 53, 240-253.	9.9	37
28	Singularities of Euler and Roll-Pitch-Yaw Representations. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 1987, AES-23, 317-324.	4.7	36
29	Force Measurement Toward the Instability Theory of Soft Pneumatic Actuators. <i>IEEE Robotics and Automation Letters</i> , 2017, 2, 985-992.	5.1	36
30	Motion Planning for Mobile Manipulators – A Systematic Review. <i>Machines</i> , 2022, 10, 97.	2.2	36
31	Pedestrian Notification Methods in Autonomous Vehicles for Multi-Class Mobility-on-Demand Service. , 2016, , .		34
32	Incremental sampling-based algorithm for risk-aware planning under motion uncertainty. , 2014, , .		33
33	Autonomous golf cars for public trial of mobility-on-demand service. , 2015, , .		32
34	Trajectory optimization for autonomous overtaking with visibility maximization. , 2017, , .		32
35	Identification and Analysis of Robot Manipulator Singularities. <i>International Journal of Robotics Research</i> , 1992, 11, 248-259.	8.5	30
36	Customizable soft pneumatic finger actuators for hand orthotic and prosthetic applications. , 2015, , .		28

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37	A modular architecture for inverse robot kinematics. IEEE Transactions on Automation Science and Engineering, 1989, 5, 555-568.	2.3	26
38	Compliant motion using a mobile manipulator: an operational space formulation approach to aircraft canopy polishing. Advanced Robotics, 2005, 19, 613-634.	1.8	26
39	Multi-robot mobility enhanced hop-count based localization in ad hoc networks. Robotics and Autonomous Systems, 2007, 55, 244-252.	5.1	26
40	Mapping with synthetic 2D LIDAR in 3D urban environment. , 2013, , .		26
41	Tip-trajectory tracking control of single-link flexible robots by output redefinition. IET Control Theory and Applications, 2000, 147, 580-587.	1.7	25
42	Dynamic Identification of the KUKA LBR iiwa Robot With Retrieval of Physical Parameters Using Global Optimization. IEEE Access, 2020, 8, 108018-108031.	4.2	25
43	A greedy strategy for tracking a locally predictable target among obstacles. , 0, , .		24
44	Efficient L-shape fitting of laser scanner data for vehicle pose estimation. , 2015, , .		24
45	Teleoperation of On-Road Vehicles via Immersive Telepresence Using Off-the-shelf Components. Advances in Intelligent Systems and Computing, 2016, , 1419-1433.	0.6	23
46	Soft Robotic Pad Maturing for Practical Applications. Soft Robotics, 2020, 7, 30-43.	8.0	23
47	Multiple-UUV Approach for Enhancing Connectivity in Underwater Ad-hoc Sensor Networks. , 0, , .		22
48	Autonomy for mobility on demand. , 2012, , .		22
49	Vehicle motion intention reasoning using cooperative perception on urban road. , 2014, , .		22
50	Detection of activities for daily life surveillance: Eating and drinking. , 2008, , .		20
51	A general framework for road marking detection and analysis. , 2013, , .		20
52	Geometric path tracking algorithm for autonomous driving in pedestrian environment. , 2016, , .		20
53	Robust LIDAR Localization for Autonomous Driving in Rain. , 2018, , .		19
54	Cooperative perception for autonomous vehicle control on the road: Motivation and experimental results. , 2013, , .		18

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55	A parallel autonomy research platform. , 2017, , .		18
56	An Ensemble of Cooperative Extended Kohonen Maps for Complex Robot Motion Tasks. Neural Computation, 2005, 17, 1411-1445.	2.2	17
57	Motion planning using cooperative perception on urban road. , 2013, , .		17
58	Fabric-based actuator modules for building soft pneumatic structures with high payload-to-weight ratio. , 2017, , .		17
59	The Operational Space Formulation implementation to aircraft canopy polishing using a mobile manipulator. , 0, , .		16
60	Scene Recognition and Object Detection in a Unified Convolutional Neural Network on a Mobile Manipulator. , 2018, , .		16
61	A neural network control system with parallel adaptive enhancements applicable to nonlinear servomechanisms. IEEE Transactions on Industrial Electronics, 1994, 41, 269-277.	7.9	15
62	Passive Compliance from Robot Limbs and its Usefulness in Robotic Automation. Journal of Intelligent and Robotic Systems: Theory and Applications, 1997, 20, 1-21.	3.4	15
63	Numerical Approach to Reachability-Guided Sampling-Based Motion Planning Under Differential Constraints. IEEE Robotics and Automation Letters, 2017, 2, 1232-1239.	5.1	15
64	Generalâ€­purpose inverse kinematics transformations for robotic manipulators. Journal of Field Robotics, 1987, 4, 527-549.	0.7	14
65	Local Voronoi Decomposition for multi-agent task allocation. , 2009, , .		14
66	Multi-vehicle motion coordination using V2V communication. , 2015, , .		14
67	Autonomous personal mobility scooter for multi-class mobility-on-demand service. , 2016, , .		14
68	Design and fabrication of a shape-morphing soft pneumatic actuator: Soft robotic pad. , 2017, , .		14
69	Vehicle Detection, Tracking and Behavior Analysis in Urban Driving Environments Using Road Context. , 2018, , .		14
70	A mathematical model for a pneumatically actuated robotic fibre placement system. Robotica, 2002, 20, 545-551.	1.9	13
71	Real-Time Visual-Inertial Localization Using Semantic Segmentation Towards Dynamic Environments. IEEE Access, 2020, 8, 155047-155059.	4.2	13
72	Fabrication of Pressure Sensor Using Electrospinning Method for Robotic Tactile Sensing Application. Nanomaterials, 2021, 11, 1320.	4.1	13

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73	General framework of the force and compliant motion control for macro mini manipulator. , 2013, , .		12
74	A Convolutional Network for Joint Deraining and Dehazing from A Single Image for Autonomous Driving in Rain. , 2019, , .		12
75	Analysis and design of robotic manipulators with multiple interchangeable wrists. IEEE Transactions on Automation Science and Engineering, 1989, 5, 223-230.	2.3	11
76	A Flexible Control Architecture for Mobile Robots: An Application for a Walking Robot. Journal of Intelligent and Robotic Systems: Theory and Applications, 2001, 30, 29-48.	3.4	11
77	A Virtual Reality Simulator for Remote Interventional Radiology: Concept and Prototype Design. IEEE Transactions on Biomedical Engineering, 2006, 53, 1696-1700.	4.2	11
78	IMM Filter based Sensor Scheduling for Maneuvering Target Tracking in Wireless Sensor Networks. , 2007, , .		11
79	Adaptive discriminative metric learning for facial expression recognition. IET Biometrics, 2012, 1, 160-167.	2.5	11
80	Autonomous vehicle planning system design under perception limitation in pedestrian environment. , 2015, , .		11
81	Real-time human-robot interaction in complex environment using kinect v2 image recognition. , 2015, , .		11
82	Safe Path Planning with Gaussian Process Regulated Risk Map. , 2019, , .		11
83	Robust Object Tracking Algorithm for Autonomous Vehicles in Complex Scenes. Remote Sensing, 2021, 13, 3234.	4.0	11
84	Task decoupling in robot manipulators. Journal of Intelligent and Robotic Systems: Theory and Applications, 1995, 14, 283-302.	3.4	10
85	Omnidirectional Image Matching for Vision-Based Robot Localization. , 2006, , .		10
86	Probabilistic Ants (PAnts) in Multi-Agent Patrolling. , 2009, , .		10
87	Utilizing the infrastructure to assist autonomous vehicles in a mobility on demand context. , 2012, , .		10
88	Multi-class autonomous vehicles for mobility-on-demand service. , 2016, , .		10
89	Traffic light status detection using movement patterns of vehicles. , 2016, , .		10
90	Control and modeling of an end-effector in a macro-mini manipulator system for industrial applications. , 2017, , .		10

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91	Cascaded Refinement Network for Point Cloud Completion with Self-supervision. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, PP, 1-1.	13.9	10
92	Development and Grasp Stability Estimation of Sensorized Soft Robotic Hand. Frontiers in Robotics and AI, 2021, 8, 619390.	3.2	10
93	Effect of different prestretching index and preloading on actuation behaviors of dielectric elastomer actuator. Journal of Materials Research and Technology, 2021, 15, 4064-4073.	5.8	10
94	Neuro-adaptive motion control with velocity observer in operational space formulation. Robotics and Computer-Integrated Manufacturing, 2011, 27, 829-842.	9.9	9
95	Vehicle Dynamics of Redundant Mobile Robots with Powered Caster Wheels. , 2006, , 221-228.		9
96	Singularity Handling on Puma in Operational Space Formulation. Lecture Notes in Control and Information Sciences, 2001, , 491-500.	1.0	9
97	A compliant end-effector coupling for vertical assembly: design and evaluation. Robotics and Computer-Integrated Manufacturing, 1997, 13, 21-30.	9.9	8
98	Singularity robust manipulator control using virtual joints. , 0, , .		8
99	Tracking of cell population from time lapse and end point confocal microscopy images with multiple hypothesis Kalman smoothing filters. , 2010, , .		8
100	Mid-ranging control of a macro/mini manipulator. , 2015, , .		8
101	Mechanism of a Learning Robot Manipulator for Laparoscopic Surgical Training. Advances in Intelligent Systems and Computing, 2013, , 17-26.	0.6	8
102	Singularity-Free Joint Actuation in Omnidirectional Mobile Platforms With Powered Offset Caster Wheels. Journal of Mechanical Design, Transactions of the ASME, 2008, 130, .	2.9	7
103	Sensor fusion for localization, mapping and navigation in an indoor environment. , 2014, , .		7
104	Spatio-temporal motion features for laser-based moving objects detection and tracking. , 2014, , .		7
105	A Bayesian filtering approach to incorporate 2D/3D time-lapse confocal images for tracking angiogenic sprouting cells interacting with the gel matrix. Medical Image Analysis, 2014, 18, 211-227.	11.6	7
106	Fast Joint Compatibility Branch and Bound for feature cloud matching. , 2016, , .		7
107	Semantic mapping and semantics-boosted navigation with path creation on a mobile robot. , 2017, , .		7
108	Active Path Clearing Navigation through Environment Reconfiguration in Presence of Movable Obstacles. , 2018, , .		7

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109	Fiber pattern optimization for soft robotic pad. <i>Extreme Mechanics Letters</i> , 2020, 41, 101055.	4.1	7
110	Maximal Performance of an Antagonistically Coupled Dielectric Elastomer Actuator System. <i>Soft Robotics</i> , 2021, 8, 200-212.	8.0	7
111	High-bandwidth macro/microactuation for hard-disk drive. , 2000, , .		6
112	Omnidirectional mobile robots with powered caster wheels: design guidelines from kinematic isotropy analysis. , 2005, , .		6
113	TARANTULAS: Mobility-enhanced Wireless Sensor-Actuator Networks. , 0, , .		6
114	Appearance-based SLAM with map loop closing using an omnidirectional camera. , 2007, , .		6
115	Multi-rate operational space control of compliant motion in robotic manipulators. , 2009, , .		6
116	Optimization of Mechatronic Design Quotient Using Genetic Algorithm in Vibration Controllers for Flexible Beams. <i>JVC/Journal of Vibration and Control</i> , 2009, 15, 1603-1626.	2.6	6
117	Road detection and mapping using 3D rolling window. , 2013, , .		6
118	Cooperative autonomous driving using cooperative perception and mirror neuron inspired intention awareness. , 2014, , .		6
119	Self-driving vehicle acknowledgement of pedestrian presence conveyed via Light-Emitting Diodes. , 2015, , .		6
120	A Force Control Method with Positive Feedback for Industrial Finishing Applications. , 2018, , .		6
121	Motion Strategies for People Tracking in Cluttered and Dynamic Environments. <i>Springer Tracts in Advanced Robotics</i> , 2009, , 463-472.	0.4	6
122	Torque distribution and slip minimization in an omnidirectional mobile base. , 0, , .		5
123	Visibility-based exploration in unknown environment containing structured obstacles. , 0, , .		5
124	Cross-dataset facial expression recognition. , 2011, , .		5
125	An online approach for intersection navigation of autonomous vehicle. , 2014, , .		5
126	Learning pedestrian activities for semantic mapping. , 2014, , .		5

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127	Design and control of an end-effector module for industrial finishing applications. , 2016, , .		5
128	Modelling and control of a 2-link mobile manipulator with virtual prototyping. , 2016, , .		5
129	Intelligent robotic system for autonomous exploration and active SLAM in unknown environments. , 2017, , .		5
130	A hybrid approach of candidate region extraction for robust traffic light recognition. , 2017, , .		5
131	A 3D Convolutional Neural Network Towards Real-Time Amodal 3D Object Detection. , 2018, , .		5
132	Motion Planning for 3-D Target Tracking among Obstacles. Springer Tracts in Advanced Robotics, 2010, , 267-279.	0.4	5
133	Multi-Scale Feature Aggregation by Cross-Scale Pixel-to-Region Relation Operation for Semantic Segmentation. IEEE Robotics and Automation Letters, 2021, 6, 5889-5896.	5.1	5
134	Safe Path Planning with Multi-Model Risk Level Sets. , 2020, , .		5
135	Online Obstacle Trajectory Prediction for Autonomous Buses. Machines, 2022, 10, 202.	2.2	5
136	NN controller of the constrained robot under unknown constraint. , 0, , .		4
137	TOWARDS PERVASIVE ROBOTICS: COMPLIANT MOTION IN HUMAN ENVIRONMENTS. International Journal of Software Engineering and Knowledge Engineering, 2005, 15, 135-145.	0.8	4
138	An analysis of the operational space control of robots. , 2010, , .		4
139	Mobile sensing and simultaneously node localization in wireless sensor networks for human motion tracking. , 2010, , .		4
140	Metric mapping and topo-metric graph learning of urban road network. , 2013, , .		4
141	Bounds for Kalman filtering with intermittent observations. , 2015, , .		4
142	Probabilistic road context inference for autonomous vehicles. , 2015, , .		4
143	A Novel Link Failure Detection and Switching Algorithm for Dissimilar Redundant UAV Communication. Drones, 2021, 5, 48.	4.9	4
144	Technology Management Educational Initiatives in Asia: A Case Study From the National University of Singapore. Academy of Management Learning and Education, 2009, 8, 444-456.	2.5	4

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145	A Searching and Tracking Framework for Multi-Robot Observation of Multiple Moving Targets. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2004, 8, 14-22.	0.9	4
146	Scalable Cooperative Localization with Minimal Sensor Configuration. Springer Tracts in Advanced Robotics, 2016, , 89-104.	0.4	4
147	Guidelines for Robot-to-Human Handshake From the Movement Nuances in Human-to-Human Handshake. Frontiers in Robotics and AI, 2022, 9, 758519.	3.2	4
148	Robot arm-wrist coordination. Part 1. Quantitative rating. Journal of Field Robotics, 1990, 7, 167-180.	0.7	3
149	Reinforcement learning of cooperative behaviors for multi-robot tracking of multiple moving targets. , 2005, , .		3
150	Multi-robot concurrent learning of cooperative behaviours for the tracking of multiple moving targets. International Journal of Vehicle Autonomous Systems, 2006, 4, 196.	0.2	3
151	Design of Vibration Controllers for Flexible Beams Using the Mechatronic Design Quotient (MDQ) Approach. JVC/Journal of Vibration and Control, 2007, 13, 65-94.	2.6	3
152	Particle filter for target tracking in multi-modality wireless sensor networks. , 2008, , .		3
153	System integration: Application towards autonomous navigation in cluttered environments. , 2016, , .		3
154	Obstacle-guided informed planning towards robot navigation in cluttered environments. , 2017, , .		3
155	Connected Cooperative Control of Autonomous Vehicles During Unexpected Road Situations. Mechanical Engineering, 2017, 139, S3-S7.	0.1	3
156	Towards Precise Vehicle-Free Point Cloud Mapping: An On-vehicle System with Deep Vehicle Detection and Tracking. , 2018, , .		3
157	Multi-class Fleet Sizing and Mobility on Demand Service. Advances in Intelligent Systems and Computing, 2019, , 37-49.	0.6	3
158	Vehicle Autonomy Using Cooperative Perception for Mobility-on-Demand Systems. Mechanisms and Machine Science, 2015, , 331-360.	0.5	3
159	BIMS-PU: Bi-Directional and Multi-Scale Point Cloud Upsampling. IEEE Robotics and Automation Letters, 2022, 7, 7447-7454.	5.1	3
160	<title>Telemufacturing workcell over the Internet</title>. , 1998, 3524, 230.		2
161	A modal feedback control law for vibration control of multi-link flexible robots. , 1998, , .		2
162	Wheel-ground interaction modelling and torque distribution for a redundant mobile robot. , 0, , .		2

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163	Slip modelling, detection and control for redundantly actuated wheeled mobile robots. , 2008, , .		2
164	The Operational Space Formulation with Neural-Network Adaptive Motion Control. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 12775-12780.	0.4	2
165	Resource constrained particle filtering for real-time multi-target tracking in sensor networks. , 2009, , .		2
166	The Matrix-Based Framework: Its Role as a Job-Agent Supervisory Controller. Advanced Robotics, 2009, 23, 1663-1686.	1.8	2
167	An Integrated Software Package for Advanced Industrial Robot Applications. Mechanisms and Machine Science, 2016, , 261-269.	0.5	2
168	Shape Programming Using Triangular and Rectangular Soft Robot Primitives. Micromachines, 2019, 10, 236.	2.9	2
169	Socially-Acceptable Walking Parameters for Wheelchair Automation. , 2019, , .		2
170	Autonomous Navigation in Dynamic Environments with Multi-Modal Perception Uncertainties. , 2021, , .		2
171	Integration of Soft Computing Towards Autonomous Legged Robots. Studies in Fuzziness and Soft Computing, 2003, , 323-352.	0.8	2
172	Observations and guidelines on interpolation with radial basis function network for one dimensional approximation problem. , 0, , .		1
173	Robust observer-based controller and its application in robot control. , 2005, , .		1
174	Unified force and motion control using an open system real-time architecture on a 7 DOF PA-10 robot. , 0, , .		1
175	Human motion tracking in a wireless network of mobile and static sensors. , 2011, , .		1
176	Stochastic tracking of migrating live cells interacting with 3D gel environment using augmented-space particle filters. , 2011, , .		1
177	Simultaneous tracking of cell nuclei and conduit parameters from time-lapse confocal microscopy images. , 2011, , .		1
178	Adaptive optimal control for linear discrete time-varying systems. , 2013, , .		1
179	Stability of switched linear systems under dwell time switching with piece wise quadratic functions. , 2014, , .		1
180	Hamiltonian exploitation in underactuated robot system inversion. , 2014, , .		1

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181	A generalized underactuated robot system inversion method using Hamiltonian formalism. , 2015, , .		1
182	Detection and state estimation of moving objects on a moving base for indoor navigation. , 2016, , .		1
183	Conditional Compatibility Branch and Bound for Feature Cloud Matching. , 2018, , .		1
184	Displacement improvement from variable pre-stretch diaphragm type Dielectric Elastomer Actuator. , 2018, , .		1
185	An Integrated Algorithm for Autonomous Navigation of a Mobile Robot in an Unknown Environment. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2008, 12, 328-335.	0.9	1
186	Realizing Robust Control of Autonomous Vehicles. Springer Proceedings in Advanced Robotics, 2017, , 374-386.	1.3	1
187	Work with me, not for me: Relationship between robotic assistance and performance in subacute and chronic stroke patients. Journal of Rehabilitation and Assistive Technologies Engineering, 2019, 6, 205566831988158.	0.9	1
188	Context-Aware Intention and Trajectory Prediction for Urban Driving Environment. Springer Proceedings in Advanced Robotics, 2020, , 339-349.	1.3	1
189	Robot arm&€wrist coordination. Part 2. Design guidelines. Journal of Field Robotics, 1990, 7, 181-195.	0.7	0
190	Critical issues in robotics. Robotics and Autonomous Systems, 1997, 21, iii-iv.	5.1	0
191	Control of a tip-loaded flexible-link robot using shaped input command. , 1998, , .		0
192	On the Design of Joint Trajectory for a Flexible-Link Robot. , 1998, , 22.		0
193	<title>Machines accessed via Internet issues and architecture</title>. , 1999, , .		0
194	Adaptive Friction Compensation for Operational Space Tracking Control with Global Asymptotic Stability. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2004, 37, 181-186.	0.4	0
195	Mechatronic Design Quotient Approach in Beam Vibration Suppression Design using Linear Dampers. , 2006, , .		0
196	Job-agents: How to coordinate them?. , 2007, , .		0
197	Evaluation and optimization of passive vibration controller design for flexible beams. Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics, 2008, , .	0.0	0
198	Parallel force and motion control using adaptive observer-controller. , 2008, , .		0

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199	An energy efficient cooperative optimal harvesting algorithm for Mobile Sensor Networks. , 2008, , .		0
200	Neuro-Adaptive Motion Controller with Velocity Observer for Operational Space Formulation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 13755-13760.	0.4	0
201	Robotics: The New Emerging Applications. , 2008, , .		0
202	Automated tracking of biological cells in an “in-vitro” environment using active contours and distance measures. , 2011, , .		0
203	Weighted biased linear discriminant analysis for misalignment-robust facial expression recognition. , 2011, , .		0
204	Improving Positioning Accuracy using a General Framework for Macro Mini Manipulation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 225-230.	0.4	0
205	Achieving mobility on demand using autonomous vehicles. , 2015, , .		0
206	A preliminary study of the RADOE project. , 2015, , .		0
207	An Impedance Controller for Surface Alignment. , 2016, , .		0
208	A force control structure based on the concept of virtual plant. , 2016, , .		0
209	Learning Low-Rank Images for Robust All-Day Feature Matching. , 2019, , .		0
210	Target-driven Model Learning for Collision-aware Planar Object Pushing. , 2019, , .		0
211	Improved Fabrication of Soft Robotic Pad for Wearable Assistive Devices. Biosystems and Biorobotics, 2019, , 401-405.	0.3	0
212	Multi-Robot Concurrent Learning in Museum Problem. , 2007, , 65-74.		0
213	Dorothy Robotubby: A Robotic Nanny. Lecture Notes in Computer Science, 2012, , 118-127.	1.3	0
214	Passive Dynamic Analysis: Motivation for Use and Method Extension. , 2012, , .		0
215	Design of a Sensing Limited Autonomous Robotic System. Advances in Intelligent Systems and Computing, 2013, , 641-648.	0.6	0
216	Hybrid Position-Orientation Decoupling in Robot Manipulators. , 1994, , 329-338.		0

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217	Matrix-based Supervisory Controller of Transition-Function Specified Robot Controllers. , 2006, , 229-236.		0
218	Stochastic tracking of migrating live cells interacting with 3D gel environment using augmented-space particle filters. , 2011, , .		0
219	Stochastic optimization of a chain sliding mode controller for the mobile robot maneuvering. , 2011, , .		0