Carme Torras GenÃs

List of Publications by Year
in descending order

199 papers	4,209 citations	218677 26 h-index	182427 51 g-index
209 all docs	209 docs citations	209 times ranked	3251 citing authors

#	ARTICLE	IF	CITATIONS
1	Introducing CARESSER: A framework for in situ learning robot social assistance from expert knowledge and demonstrations. User Modeling and User-Adapted Interaction, 2023, 33, 441-496.	3.8	8
2	An inextensible model for the robotic manipulation of textiles. Applied Mathematical Modelling, 2022, 101, 832-858.	4.2	5
3	Perturbation-Based Stiffness Inference in Variable Impedance Control. IEEE Robotics and Automation Letters, 2022, 7, 8823-8830.	5.1	8
4	Do I Have a Personality? Endowing Care Robots with Context-Dependent Personality Traits. International Journal of Social Robotics, 2021, 13, 2081-2102.	4.6	17
5	Task-Adaptive Robot Learning From Demonstration With Gaussian Process Models Under Replication. IEEE Robotics and Automation Letters, 2021, 6, 966-973.	5.1	11
6	Robust and adaptive door operation with a mobile robot. Intelligent Service Robotics, 2021, 14, 409-425.	2.6	33
7	A topological extension of movement primitives for curvature modulation and sampling of robot motion. Autonomous Robots, 2021, 45, 725-735.	4.8	0
8	Topological representation of cloth state for robot manipulation. Autonomous Robots, 2021, 45, 737-754.	4.8	5
9	Automatic Learning of Cognitive Exercises for Socially Assistive Robotics. , 2021, , .		1
10	The ethical issues of social assistive robotics: A critical literature review. Technology in Society, 2021, 67, 101726.	9.4	48
11	Are Preferences Useful for Better Assistance?. ACM Transactions on Human-Robot Interaction, 2021, 10, 1-19.	4.1	5
12	Human to Robot Whole-Body Motion Transfer. , 2021, , .		7
13	Reinforcement Learning of Bimanual Robot Skills. Springer Tracts in Advanced Robotics, 2020, , .	0.4	5
14	Short-Term Human–Robot Interaction Adaptability in Real-World Environments. International Journal of Social Robotics, 2020, 12, 639-657.	4.6	20
15	Dynamic Cloth Manipulation with Deep Reinforcement Learning. , 2020, , .		51
16	Discovering SOCIABLE: Using a Conceptual Model to Evaluate the Legibility and Effectiveness of Backchannel Cues in an Entertainment Scenario. , 2020, , .		9
17	A Versatile Gripper for Cloth Manipulation. IEEE Robotics and Automation Letters, 2020, 5, 6520-6527.	5.1	21
18	Evaluation of an exercise-enabling control interface for powered wheelchair users: a feasibility study with Duchenne muscular dystrophy. Journal of NeuroEngineering and Rehabilitation, 2020, 17, 142.	4.6	1

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19	Sample-Efficient Robot Motion Learning using Gaussian Process Latent Variable Models. , 2020, , .		7
20	Benchmarking Bimanual Cloth Manipulation. IEEE Robotics and Automation Letters, 2020, 5, 1111-1118.	5.1	43
21	Perception of cloth in assistive robotic manipulation tasks. Natural Computing, 2020, 19, 409-431.	3.0	13
22	Cognitive System Framework for Brain-Training Exercise Based on Human-Robot Interaction. Cognitive Computation, 2020, 12, 793-810.	5.2	24
23	A Grasping-Centered Analysis for Cloth Manipulation. IEEE Transactions on Robotics, 2020, 36, 924-936.	10.3	47
24	Dimensionality Reduction with Movement Primitives. Springer Tracts in Advanced Robotics, 2020, , 109-146.	0.4	0
25	Robot Compliant Control. Springer Tracts in Advanced Robotics, 2020, , 53-72.	0.4	0
26	Inverse Kinematics and Relative Arm Positioning. Springer Tracts in Advanced Robotics, 2020, , 25-52.	0.4	0
27	Leveraging Multiple Environments for Learning and Decision Making: a Dismantling Use Case. , 2020, , .		1
28	Contextual Policy Search for Micro-Data Robot Motion Learning through Covariate Gaussian Process Latent Variable Models. , 2020, , .		2
29	Practical Resolution Methods for MDPs in Robotics Exemplified With Disassembly Planning. IEEE Robotics and Automation Letters, 2019, 4, 2282-2288.	5.1	3
30	Exploiting Symmetries in Reinforcement Learning of Bimanual Robotic Tasks. IEEE Robotics and Automation Letters, 2019, 4, 1838-1845.	5.1	9
31	Probabilistic Planning for Robotics with ROSPlan. Lecture Notes in Computer Science, 2019, , 236-250.	1.3	16
32	Learning Robot Policies Using a High-Level Abstraction Persona-Behaviour Simulator. , 2019, , .		7
33	Adapting robot task planning to user preferences: an assistive shoe dressing example. Autonomous Robots, 2019, 43, 1343-1356.	4.8	26
34	Personalized Robot Assistant for Support in Dressing. IEEE Transactions on Cognitive and Developmental Systems, 2019, 11, 363-374.	3.8	29
35	Natural Teaching of Robot-Assisted Rearranging Exercises for Cognitive Training. Lecture Notes in Computer Science, 2019, , 611-621.	1.3	8
36	Task-driven active sensing framework applied to leaf probing. Computers and Electronics in Agriculture, 2018, 147, 166-175.	7.7	9

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37	Reward-Weighted GMM and Its Application to Action-Selection in Robotized Shoe Dressing. Advances in Intelligent Systems and Computing, 2018, , 141-152.	0.6	1
38	Resource-Based Modality Selection in Robot-Assisted Cognitive Training. , 2018, , .		2
39	Dimensionality Reduction for Dynamic Movement Primitives and Application to Bimanual Manipulation of Clothes. IEEE Transactions on Robotics, 2018, 34, 602-615.	10.3	39
40	Deciding the different robot roles for patient cognitive training. International Journal of Human Computer Studies, 2018, 117, 20-29.	5.6	23
41	Teaching a Robot the Semantics of Assembly Tasks. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 670-692.	9.3	46
42	Robot motion adaptation through user intervention and reinforcement learning. Pattern Recognition Letters, 2018, 105, 67-75.	4.2	13
43	Active garment recognition and target grasping point detection using deep learning. Pattern Recognition, 2018, 74, 629-641.	8.1	62
44	Adaptive Modality Selection Algorithm in Robot-Assisted Cognitive Training. , 2018, , .		1
45	Interleaving Hierarchical Task Planning and Motion Constraint Testing for Dual-Arm Manipulation. , 2018, , .		4
46	Joining High-Level Symbolic Planning with Low-Level Motion Primitives in Adaptive HRI: Application to Dressing Assistance. , 2018, , .		16
47	â€œElbows Outâ€"Predictive Tracking of Partially Occluded Pose for Robot-Assisted Dressing. IEEE Robotics and Automation Letters, 2018, 3, 3598-3605.	5.1	15
48	Dimensionality Reduction in Learning Gaussian Mixture Models of Movement Primitives for Contextualized Action Selection and Adaptation. IEEE Robotics and Automation Letters, 2018, 3, 3922-3929.	5.1	7
49	Adaptable Multimodal Interaction Framework for Robot-Assisted Cognitive Training. , 2018, , .		3
50	Xarxes socials i companyia robÃ²tica: tecnologia, Ã¨tica, i ciÃ¨ncia-ficciÃ³. Metode, 2018, , .	0.1	0
51	Relational reinforcement learning with guided demonstrations. Artificial Intelligence, 2017, 247, 295-312.	5.8	26
52	Combining Semantic and Geometric Features for Object Class Segmentation of Indoor Scenes. IEEE Robotics and Automation Letters, 2017, 2, 49-55.	5.1	37
53	Efficient interactive decision-making framework for robotic applications. Artificial Intelligence, 2017, 247, 187-212.	5.8	22
54	A cognitive architecture for automatic gardening. Computers and Electronics in Agriculture, 2017, 138, 69-79.	7.7	16

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55	Dual REPS: A Generalization of Relative Entropy Policy Search Exploiting Bad Experiences. IEEE Transactions on Robotics, 2017, 33, 978-985.	10.3	6
56	3D Human Pose Tracking Priors using Geodesic Mixture Models. International Journal of Computer Vision, 2017, 122, 388-408.	15.6	28
57	Demonstration-free contextualized probabilistic movement primitives, further enhanced with obstacle avoidance. , 2017, , .		7
58	A taxonomy of preferences for physically assistive robots. , 2017, , .		11
59	Scene Understanding Using Deep Learning. , 2017, , 373-382.		14
60	Semantic segmentation priors for object discovery. , 2016, , .		3
61	Service Robots for Citizens of the Future. European Review, 2016, 24, 17-30.	0.7	18
62	Execution Fault Recovery in Robot Programming by Demonstration Using Multiple Models. IEEE Latin America Transactions, 2016, 14, 517-523.	1.6	1
63	Personalization Framework for Adaptive Robotic Feeding Assistance. Lecture Notes in Computer Science, 2016, , 22-31.	1.3	23
64	A 3D descriptor to detect task-oriented grasping points in clothing. Pattern Recognition, 2016, 60, 936-948.	8.1	13
65	Robot-Aided Cloth Classification Using Depth Information and CNNs. Lecture Notes in Computer Science, 2016, , 16-23.	1.3	13
66	Learning Physical Collaborative Robot Behaviors From Human Demonstrations. IEEE Transactions on Robotics, 2016, 32, 513-527.	10.3	213
67	Action Recognition Based on Efficient Deep Feature Learning in the Spatio-Temporal Domain. IEEE Robotics and Automation Letters, 2016, 1, 984-991.	5.1	25
68	Incremental Learning of Skills in a Task-Parameterized Gaussian Mixture Model. Journal of Intelligent and Robotic Systems: Theory and Applications, 2016, 82, 81-99.	3.4	9
69	User Evaluation of an Interactive Learning Framework for Single-Arm and Dual-Arm Robots. Lecture Notes in Computer Science, 2016, , 52-61.	1.3	6
70	3D Sensor planning framework for leaf probing. , 2015, , .		12
71	A friction-model-based framework for Reinforcement Learning of robotic tasks in non-rigid environments. , 2015, , .		39
72	Safe robot execution in model-based reinforcement learning. , 2015, , .		9

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73	Variable symmetry breaking in numerical constraint problems. Artificial Intelligence, 2015, 229, 105-125.	5.8	3
74	Consistent Depth Video Segmentation Using Adaptive Surface Models. IEEE Transactions on Cybernetics, 2015, 45, 266-278.	9.5	16
75	Growth Signatures of Rosette Plants from Time-Lapse Video. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2015, 12, 1470-1478.	3.0	35
76	DaLI: Deformation and Light Invariant Descriptor. International Journal of Computer Vision, 2015, 115, 136-154.	15.6	30
77	Lie Algebra-Based Kinematic Prior for 3D Human Pose Tracking. , 2015, , .		2
78	Planning robot manipulation to clean planar surfaces. Engineering Applications of Artificial Intelligence, 2015, 39, 23-32.	8.1	39
79	Closed-Loop Inverse Kinematics for Redundant Robots: Comparative Assessment and Two Enhancements. IEEE/ASME Transactions on Mechatronics, 2015, 20, 944-955.	5.8	97
80	Active learning of manipulation sequences. , 2014, , .		12
81	Using ToF and RGBD cameras for 3D robot perception and manipulation in human environments. Intelligent Service Robotics, 2014, 7, 211-220.	2.6	27
82	Recognizing Point Clouds Using Conditional Random Fields. , 2014, , .		4
83	Dimensionality reduction for probabilistic movement primitives. , 2014, , .		20
84	Dimensionality reduction and motion coordination in learning trajectories with Dynamic Movement Primitives. , 2014, , .		12
85	Realtime tracking and grasping of a moving object from range video. , 2014, , .		23
86	New Geometric Approaches to the Analysis and Design of Stewartâ€"Gough Platforms. IEEE/ASME Transactions on Mechatronics, 2014, 19, 445-455.	5.8	22
87	Robust surface tracking in range image sequences. , 2014, 35, 37-44.		1
88	Learning RGB-D descriptors of garment parts for informed robot grasping. Engineering Applications of Artificial Intelligence, 2014, 35, 246-258.	8.1	37
89	ToF cameras for active vision in robotics. Sensors and Actuators A: Physical, 2014, 218, 10-22.	4.1	38
90	Learning weakly correlated causeâ€"effects for gardening with a cognitive system. Engineering Applications of Artificial Intelligence, 2014, 36, 178-194.	8.1	4

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91	Geodesic Finite Mixture Models. , 2014, , .		5
92	Positioning Two Redundant Arms for Cooperative Manipulation of Objects. Mechanisms and Machine Science, 2014, , 121-129.	0.5	0
93	Robots socials. Un punt de trobada entre ciÃ¨ncia i ficciÃ³. Metode, 2014, .	0.1	1
94	Robotized Plant Probing: Leaf Segmentation Utilizing Time-of-Flight Data. IEEE Robotics and Automation Magazine, 2013, 20, 50-59.	2.0	52
95	Force-based robot learning of pouring skills using parametric hidden Markov models. , 2013, , .		46
96	A robot learning from demonstration framework to perform force-based manipulation tasks. Intelligent Service Robotics, 2013, 6, 33-51.	2.6	107
97	Local stimulus disambiguation with global motion filters predicts adaptive surround modulation. Neural Networks, 2013, 46, 32-39.	5.9	0
98	FINDDD: A fast 3D descriptor to characterize textiles for robot manipulation. , 2013, , .		24
99	External force estimation during compliant robot manipulation. , 2013, , .		69
100	A Joint Model for 2D and 3D Pose Estimation from a Single Image. , 2013, , .		75
101	OUTDOOR VIEW RECOGNITION BASED ON LANDMARK GROUPING AND LOGISTIC REGRESSION. International Journal of Pattern Recognition and Artificial Intelligence, 2013, 27, 1355004.	1.2	0
102	Turingâ€™s algorithmic lens: From computability to complexity theory. Arbor, 2013, 189, a080.	0.3	0
103	Effects of Human-Machine Integration on the Construction of Identity. , 2013, , 574-591.		2
104	POMDP approach to robotized clothes separation. , 2012, , .		23
105	Single image 3D human pose estimation from noisy observations. , 2012, , .		78
106	Redundant inverse kinematics: Experimental comparative review and two enhancements. , 2012, , .		29
107	Kinematic BÃ©zier Maps. IEEE Transactions on Systems, Man, and Cybernetics, 2012, 42, 1215-1230.	5.0	11
108	Using depth and appearance features for informed robot grasping of highly wrinkled clothes. , 2012, , .		89

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109	A personal account of Turingâ€™s imprint on the development of computer science. Computer Science Review, 2012, 6, 225-234.	15.3	0
110	General Robot Kinematics Decomposition Without Intermediate Markers. IEEE Transactions on Neural Networks and Learning Systems, 2012, 23, 620-630.	11.3	12
111	Segmenting color images into surface patches by exploiting sparse depth data. , 2011, , .		8
112	Lock-in Time-of-Flight (ToF) Cameras: A Survey. IEEE Sensors Journal, 2011, 11, 1917-1926.	4.7	481
113	Singularity-Invariant Families of Line-Plane 5-S$underline{m P}$ U Platforms. IEEE Transactions on Robotics, 2011, 27, 837-848.	10.3	12
114	Architectural singularities of a class of pentapods. Mechanism and Machine Theory, 2011, 46, 1107-1120.	4.5	16
115	Robot learning from demonstration of force-based tasks with multiple solution trajectories. , 2011, , .		20
116	3D modelling of leaves from color and ToF data for robotized plant measuring. , 2011, , .		48
117	Symmetry Breaking in Numeric Constraint Problems. Lecture Notes in Computer Science, 2011, , 317-324.	1.3	1
118	Robbie, the pioneer robot nanny. Interaction Studies, 2010, 11, 269-273.	0.6	6
119	Camera motion estimation by tracking contour deformation: Precision analysis. Image and Vision Computing, 2010, 28, 474-490.	4.5	2
120	A family of quadratically-solvable 5-SP&#x0332;U parallel robots. , 2010, , .		6
121	Object modeling using a ToF camera under an uncertainty reduction approach. , 2010, , .		26
122	Singularity-Invariant Leg Rearrangements in Stewartâ€"Gough Platforms. , 2010, , 421-428.		21
123	Stratifications of the Euclidean motion group with applications to robotics. Geometriae Dedicata, 2009, 141, 19-32.	0.3	0
124	Rapid learning of humanoid body schemas with Kinematic BÃ©zier Maps. , 2009, , .		18
125	Partially Flagged Parallel Manipulators: Singularity Charting and Avoidance. IEEE Transactions on Robotics, 2009, 25, 771-784.	10.3	16
126	On $Delta$-Transforms. IEEE Transactions on Robotics, 2009, 25, 1225-1236.	10.3	14

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127	Straightening-Free Algorithm for the Singularity Analysis of Stewart-Gough Platforms with Collinear/Coplanar Attachments. , 2009, , 359-366.		0
128	Recovering epipolar direction from two affine views of a planar object. Computer Vision and Image Understanding, 2008, 112, 195-209.	4.7	2
129	Learning Inverse Kinematics: Reduced Sampling Through Decomposition Into Virtual Robots. IEEE Transactions on Systems, Man, and Cybernetics, 2008, 38, 1571-1577.	5.0	20
130	Architecture singularities in flagged parallel manipulators. , 2008, , .		7
131	Visually-Guided Robot Navigation: From Artificial to Natural Landmarks. Springer Tracts in Advanced Robotics, 2008, , 287-296.	0.4	3
132	Outdoor Landmark-view Recognition Based on Bipartite-graph Matching and Logistic Regression. Proceedings - IEEE International Conference on Robotics and Automation, 2007, , .	0.0	2
133	Depth from the visual motion of a planar target induced by zooming. Proceedings - IEEE International Conference on Robotics and Automation, 2007, , .	0.0	3
134	Flagged Parallel Manipulators. , 2007, 23, 1013-1023.		14
135	Zoom Control to Compensate Camera Translation Within a Robot Egomotion Estimation Approach. Lecture Notes in Control and Information Sciences, 2007, , 81-88.	1.0	0
136	Natural Landmark Detection for Visually-Guided Robot Navigation. Lecture Notes in Computer Science, 2007, , 555-566.	1.3	3
137	Exploiting Single-Cycle Symmetries in Branch-and-Prune algorithms. , 2007, , 864-871.		1
138	Distance bound for nonconvex polyhedral models in close proximity. Journal of Field Robotics, 2006, 22, S35-S50.	0.7	0
139	Stratifying the singularity loci of a class of parallel manipulators. , 2006, 22, 23-32.		13
140	Affine Epipolar Direction from Two Views of a Planar Contour. Lecture Notes in Computer Science, 2006, , 944-955.	1.3	3
141	A branch-and-prune solver for distance constraints. , 2005, 21, 176-187.		35
142	Using PSOMs to Learn Inverse Kinematics Through Virtual Decomposition of the Robot. Lecture Notes in Computer Science, 2005, , 701-708.	1.3	5
143	Speeding Up the Learning of Robot Kinematics Through Function Decomposition. IEEE Transactions on Neural Networks, 2005, 16, 1504-1512.	4.2	13
144	Natural Inspiration for Artificial Adaptivity: Some Neurocomputing Experiences in Robotics. Lecture Notes in Computer Science, 2005, , 32-45.	1.3	1

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145	Color-Contrast Landmark Detection and Encoding in Outdoor Images. Lecture Notes in Computer Science, 2005, , 612-619.	1.3	6
146	Fusing Visual and Inertial Sensing to Recover Robot Ego-motion. Journal of Field Robotics, 2004, 21, 23-32.	0.7	15
147	MBMUDs: a combinatorial extension of BIBDs showing good optimality behaviour. Journal of Statistical Planning and Inference, 2004, 124, 185-204.	0.6	3
148	Neural learning methods yielding functional invariance. Theoretical Computer Science, 2004, 320, 111-121.	0.9	1
149	Detecting salient cues through illumination-invariant color ratios. Robotics and Autonomous Systems, 2004, 48, 111-130.	5.1	10
150	Detecting salient cues through illumination-invariant color ratios. Robotics and Autonomous Systems, 2004, 48, 111-130.	5.1	4
151	Reducing feasible contacts between polyhedral models to redâ€"blue intersections on the sphere. CAD Computer Aided Design, 2003, 35, 693-705.	2.7	3
152	Comparison of simulated annealing and mean field annealing as applied to the generation of block designs. Neural Networks, 2003, 16, 1421-1428.	5.9	14
153	Contour-based 3D motion recovery while zooming. Robotics and Autonomous Systems, 2003, 44, 219-227.	5.1	7
154	A deterministic algorithm that emulates learning with random weights. Neurocomputing, 2002, 48, 975-1002.	5.9	6
155	A projectively invariant intersection test for polyhedra. Visual Computer, 2002, 18, 405-414.	3.5	8
156	Neural computing increases robot adaptivity. Natural Computing, 2002, 1, 391-425.	3.0	3
157	Sequential Learning in Feedforward Networks: Proactive and Retroactive Interference Minimization. Lecture Notes in Computer Science, 2002, , 1339-1344.	1.3	1
158	Qualitative vision for the guidance of legged robots in unstructured environments. Pattern Recognition, 2001, 34, 1585-1599.	8.1	20
159	Exploiting symmetries within constraint satisfaction searchâ˜†â˜†This paper is an extended and updated version of [16], presented at the IJCAI-99 conference.. Artificial Intelligence, 2001, 129, 133-163.	5.8	47
160	Assessing Image Features for Vision-Based Robot Positioning. Journal of Intelligent and Robotic Systems: Theory and Applications, 2001, 30, 95-118.	3.4	15
161	3D collision detection: a survey. Computers and Graphics, 2001, 25, 269-285.	2.5	414
162	NEURAL COST FUNCTIONS AND SEARCH STRATEGIES FOR THE GENERATION OF BLOCK DESIGNS: AN EXPERIMENTAL EVALUATION. International Journal of Neural Systems, 2001, 11, 187-202.	5.2	5

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163	Architecture-Independent Approximation of Functions. Neural Computation, 2001, 13, 1119-1135.	2.2	8
164	Neural Cost Functions and Search Strategies for the Generation of Block Designs An Experimental Evaluation. International Journal of Neural Systems, 2001, 11, 187-202.	5.2	1
165	Neural Learning Invariant to Network Size Changes. Lecture Notes in Computer Science, 2001, , 33-40.	1.3	2
166	<title>Integration of appearance and geometric methods for the analysis of monocular sequences</title>. , 2000, 3968, 62.		3
167	An efficient algorithm for searching implicit AND/OR graphs with cycles. Artificial Intelligence, 2000, 124, 1-30.	5.8	25
168	Nonlinear system identification using additive dynamic neural networks-two on-line approaches. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2000, 47, 150-165.	0.1	33
169	Guest Editorial: On Adaptive Robots. Connection Science, 1999, 11, 221-224.	3.0	0
170	Self-calibration of a space robot. IEEE Transactions on Neural Networks, 1997, 8, 951-963.	4.2	22
171	Vision-based robot positioning using neural networks. Image and Vision Computing, 1996, 14, 715-732.	4.5	70
172	Automatic recalibration of a space robot: An industrial prototype. Lecture Notes in Computer Science, 1996, , 635-640.	1.3	1
173	Robot adaptivity. Robotics and Autonomous Systems, 1995, 15, 11-23.	5.1	7
174	On-line learning with minimal degradation in feedforward networks. IEEE Transactions on Neural Networks, 1995, 6, 657-668.	4.2	27
175	Efficient reinforcement learning of navigation strategies in an autonomous robot. , 1995, , 185-199.		4
176	Neural approaches to robot control: Four representative applications. Lecture Notes in Computer Science, 1995, , 1016-1035.	1.3	1
177	Robot Adaptivity. , 1995, , 53-71.		0
178	Solving multiloop linkages with limited-range joints. Mechanism and Machine Theory, 1994, 29, 373-391.	4.5	8
179	From Geometric Motion Planning to Neural Motor Control in Robotics. AI Communications, 1993, 6, 3-17.	1.2	10
180	Symbolic Planning versus Neural Control in Robots. Research Notes in Neural Computing, 1993, , 509-523.	0.1	2

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181	Inferring feasible assemblies from spatial constraints. IEEE Transactions on Automation Science and Engineering, 1992, 8, 228-239.	2.3	18
182	A reinforcement connectionist approach to robot path finding in non-maze-like environments. Machine Learning, 1992, 8, 363-395.	5.4	51
183	A Reinforcement Connectionist Approach to Robot Path Finding in Non-Maze-Like Environments. Machine Learning, 1992, 8, 363-395.	5.4	20
184	Autonomous Mobile Robots and Teleoperation. Euro Courses Computer and Information Science, 1992, , 41-53.	0.3	0
185	A Reinforcement Connectionist Approach to Robot Path Finding in Non-Maze-Like Environments. , 1992, , 139-171.		3
186	Minimally disturbing learning. Lecture Notes in Computer Science, 1991, , 162-172.	1.3	0
187	Learning to Avoid Obstacles through Reinforcement. , 1991, , 298-302.		6
188	2D Path Planning: A Configuration Space Heuristic Approach. International Journal of Robotics Research, 1990, 9, 75-91.	8.5	43
189	Operation specialists for automatic programming and monitoring of robotic assembly cells. Robotics and Computer-Integrated Manufacturing, 1989, 6, 269-276.	9.9	2
190	Relaxation and neural learning: Points of convergence and divergence. Journal of Parallel and Distributed Computing, 1989, 6, 217-244.	4.1	24
191	Sensorimotor Integration in Robots. , 1989, , 673-689.		2
192	A group-theoretic approach to the computation of symbolic part relations. IEEE Journal of Robotics and Automation, 1988, 4, 622-634.	2.2	48
193	On the relationship between two models of neural entrainment. Biological Cybernetics, 1987, 57, 313-319.	1.3	2
194	Entrainment in pacemakers characterized by a V-shaped PRC. Journal of Mathematical Biology, 1986, 24, 291-312.	1.9	9
195	Pacemaker neuron model with plastic firing rate: Entrainment and learning ranges. Biological Cybernetics, 1985, 52, 79-91.	1.3	13
196	Depth map from the combination of matched points with active contours. , 0, , .		1
197	Using Laser and Vision to Locate a Robot in an Industrial Environment: A Practical Experience. , 0, , .		5
198	On redundant flagged manipulators. , 0, , .		1

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199	Generating predicate suggestions based on the space of plans: an example of planning with preferences. User Modeling and User-Adapted Interaction, 0, , .	3.8	0