

Rainer Palm

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

873
citations

759233

12
h-index

713466

21
g-index

38
all docs

38
docs citations

38
times ranked

507
citing authors

#	ARTICLE	IF	CITATIONS
1	Robust control by fuzzy sliding mode. Automatica, 1994, 30, 1429-1437.	5.0	266
2	Model Based Fuzzy Control. , 1997, , .		153
3	Robust control by adaptive Non-singular Terminal Sliding Mode. Engineering Applications of Artificial Intelligence, 2017, 59, 205-217.	8.1	70
4	Bi-directional navigation intent communication using spatial augmented reality and eye-tracking glasses for improved safety in human-robot interaction. Robotics and Computer-Integrated Manufacturing, 2020, 61, 101830.	9.9	48
5	Fuzzy controller for a sensor guided robot manipulator. Fuzzy Sets and Systems, 1989, 31, 133-149.	2.7	43
6	Control of a redundant manipulator using fuzzy rules. Fuzzy Sets and Systems, 1992, 45, 279-298.	2.7	32
7	Recognition of human grasps by time-clustering and fuzzy modeling. Robotics and Autonomous Systems, 2009, 57, 484-495.	5.1	32
8	Programming by Demonstration of Pick-and-Place Tasks for Industrial Manipulators using Task Primitives. , 2007, , .		30
9	Multiple-step-ahead prediction in control systems with Gaussian process models and TS-fuzzy models. Engineering Applications of Artificial Intelligence, 2007, 20, 1023-1035.	8.1	27
10	Programming-by-Demonstration of reaching motions- A next-state-planner approach. Robotics and Autonomous Systems, 2010, 58, 607-621.	5.1	23
11	Fuzzy-Based Parameter Optimization of Adaptive Unscented Kalman Filter: Methodology and Experimental Validation. IEEE Access, 2020, 8, 54887-54904.	4.2	23
12	Fuzzy system technologies at Siemens R & D. Fuzzy Sets and Systems, 1994, 63, 245-269.	2.7	22
13	Integral Non-Singular Terminal Sliding Mode Controller for nth-Order Nonlinear Systems. IEEE Access, 2019, 7, 102792-102802.	4.2	17
14	Design of a fuzzy gain scheduler using sliding mode control principles. Fuzzy Sets and Systems, 2001, 121, 13-23.	2.7	15
15	ANNIE, a Tool for Integrating Ergonomics in the Design of Car Interiors. , 0, , .		14
16	Direct Fuzzy Adaptation of a Fuzzy Controller. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1996, 29, 4989-4994.	0.4	11
17	Open loop dynamic trajectory generator for a fuzzy gain scheduler. Engineering Applications of Artificial Intelligence, 2003, 16, 213-225.	8.1	10
18	Segmentation and Recognition of Human Grasps for Programming-by-Demonstration using Time-clustering and Fuzzy Modeling. IEEE International Conference on Fuzzy Systems, 2007, , .	0.0	9

#	ARTICLE	IF	CITATIONS
19	Recognition of human-robot motion intentions by trajectory observation. , 2016, , .		8
20	Interpretation of human demonstrations using Mirror Neuron System principles. , 2007, , .		4
21	Velocity potentials and fuzzy modeling of fluid streamlines for obstacle avoidance of mobile robots. , 2015, , .		4
22	Programming-by-Demonstration and Adaptation of Robot Skills by Fuzzy Time Modeling. International Journal of Humanoid Robotics, 2014, 11, 1450009.	1.1	3
23	Improving the Global Performance of a Fuzzy Gain Scheduler by Supervision. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1997, 30, 509-514.	0.4	2
24	Entwurf eines adaptiven robusten "Fuzzy sliding-mode"-Reglers, Teil 1 / Design of an Adaptive and Robust Fuzzy Sliding-mode Controller, Part 1. Automatisierungstechnik, 1999, 47, 549-555.	0.8	1
25	Improving the global performance of a fuzzy gain-scheduler by supervision. Engineering Applications of Artificial Intelligence, 1999, 12, 297-307.	8.1	1
26	Programming-by-Demonstration and adaptation of robot skills by fuzzy-time-modeling. , 2011, , .		1
27	Fuzzy logic and control in Human-Robot Systems -geometrical and kinematic considerations. , 2018, , .		1
28	Grasp Recognition by Fuzzy Modeling and Hidden Markov Models. Advanced Information and Knowledge Processing, 2010, , 25-47.	0.3	1
29	Fuzzy research and applications at Siemens. Fuzzy Sets and Systems, 1994, 68, 361-362.	2.7	0
30	Programming-by-Demonstration of robot skills using fuzzy-time-modeling. , 2010, , .		0
31	Learning and adaptation of robot skills using fuzzy models. , 2010, , .		0
32	Gaussian noise and the intersection problem in Human-Robot Systems - analytical and fuzzy approach. , 2019, , .		0
33	Fuzzy Geometric Approach to Collision Estimation Under Gaussian Noise in Human-Robot Interaction. Studies in Computational Intelligence, 2021, , 191-221.	0.9	0
34	Programming-by-Demonstration of Robot Motions. Advanced Information and Knowledge Processing, 2010, , 1-23.	0.3	0
35	Input Scaling of Fuzzy Controllers. , 1994, , 29-45.		0
36	Fuzzy Regelung. , 1999, , 302-334.		0

#	ARTICLE	IF	CITATIONS
37	Optimal Adjustment of Scaling for Fuzzy Controllers Using Correlation Techniques. , 1999, , 897-915.		0