

Yin-Tien Wang

List of Publications by Year in descending order

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46
papers

205
citations

1307594

7
h-index

1199594

12
g-index

46
all docs

46
docs citations

46
times ranked

175
citing authors

#	ARTICLE	IF	CITATIONS
1	Simulation of Mechanical Systems With Multiple Frictional Contacts. Journal of Mechanical Design, Transactions of the ASME, 1994, 116, 571-580.	2.9	31
2	Grinding force control in an automatic surface finishing system. Journal of Materials Processing Technology, 2005, 170, 367-373.	6.3	29
3	Visual SLAM and Moving-object Detection for a Small-size Humanoid Robot. International Journal of Advanced Robotic Systems, 2010, 7, 13.	2.1	28
4	Obstacle avoidance and role assignment algorithms for robot formation control. , 2007, , .		10
5	Improvement of speeded-up robust features for robot visual simultaneous localization and mapping. Robotica, 2014, 32, 533-549.	1.9	10
6	Sequentially switched fuzzy-model-based control for wheeled mobile robot with visual odometry. Applied Mathematical Modelling, 2017, 47, 765-776.	4.2	10
7	Forward position analysis of 6-3 Linapod parallel manipulators. Meccanica, 2012, 47, 1271-1282.	2.0	8
8	Detection of moving objects in image plane for robot navigation using monocular vision. Eurasip Journal on Advances in Signal Processing, 2012, 2012, .	1.7	8
9	Modelling and simulation of an automatic grinding system using a hand grinder. International Journal of Advanced Manufacturing Technology, 2004, 23, 874.	3.0	7
10	Computationally efficient algorithm for simultaneous localization and mapping (SLAM). , 2013, , .		6
11	Robot mapping using local invariant feature detectors. Engineering Computations, 2014, 31, 297-316.	1.4	6
12	Computationally efficient algorithm for vision-based simultaneous localization and mapping of mobile robots. Engineering Computations, 2017, 34, 1217-1239.	1.4	5
13	Image-based Control of an Autonomous Robot with Omnidirectional Vision. , 2007, , .		4
14	Dynamic role assignment algorithm for robot formation control. , 2007, , .		4
15	Detection and tracking of moving objects in SLAM using vision sensors. , 2011, , .		4
16	A generalized framework of dynamic role assignment for robot formation control. International Journal of Control, Automation and Systems, 2010, 8, 1288-1295.	2.7	3
17	Data association and map management for robot SLAM using local invariant features. , 2013, , .		3
18	Enhanced Simultaneous Localization and Mapping (ESLAM) for Mobile Robots. International Journal of Humanoid Robotics, 2017, 14, 1750007.	1.1	3

#	ARTICLE	IF	CITATIONS
19	Laser-range-finder localization based fuzzy control for mobile robots. Engineering Computations, 2017, 34, 2409-2421.	1.4	3
20	Improved visual odometry system based on kinect RGB-D sensor. , 2017, , .		3
21	Robot Visual Simultaneous Localization and Mapping in Dynamic Environments. Advanced Science Letters, 2012, 8, 229-234.	0.2	3
22	MULTIPLE-OBSTACLE AVOIDANCE IN ROLE ASSIGNMENT OF FORMATION CONTROL. International Journal of Robotics and Automation, 2012, 27, .	0.1	3
23	AIN-Based Action Selection Mechanism for Soccer Robot Systems. Journal of Control Science and Engineering, 2009, 2009, 1-10.	1.0	2
24	Design of T-S fuzzy controller for two-wheeled mobile robot. , 2011, , .		2
25	Robot Simultaneous Localization and Mapping Using Speeded-Up Robust Features. Applied Mechanics and Materials, 2013, 284-287, 2142-2146.	0.2	2
26	Grey modeling and control of a thermal barrel in plastic molding processes. , 0, , .		1
27	Term formation control for soccer robot systems. , 0, , .		1
28	Feature extracted algorithm for simultaneous localization and mapping (SLAM). , 2015, , .		1
29	Enhanced visual odometry algorithm based on elite selection method and voting system. , 2017, , .		1
30	Laser Welding on Cerclage Wire Joining in Femur Surgery. Applied Sciences (Switzerland), 2020, 10, 2407.	2.5	1
31	Contact force analysis on two-fingered robot grasping. Proceedings of the Institution of Mechanical Engineers, Part K: Journal of Multi-body Dynamics, 2021, 235, 260-270.	0.8	1
32	Robot-Assisted Double-Pulse Gas Metal Arc Welding for Wire and Arc Additive Manufacturing. Mechanisms and Machine Science, 2020, , 360-370.	0.5	1
33	Moving Object Detection Using Monocular Vision. Advances in Intelligent Systems and Computing, 2013, , 183-192.	0.6	1
34	Grinding force models in finishing processes. , 0, , .		0
35	Design an action select mechanism for soccer robots system using artificial immune network. , 0, , .		0
36	An Analysis on Sliding of Biped Robots. , 2010, , .		0

#	ARTICLE	IF	CITATIONS
37	Contact Force Analysis in Static Two-Fingered Robot Grasping. , 2013, , .		0
38	Calibration of RGB-D Sensors for Robot SLAM. Applied Mechanics and Materials, 0, 479-480, 677-681.	0.2	0
39	Enhanced simultaneous localization and map building. , 2014, , .		0
40	Improved SLAM algorithm using fuzzy filter and curvature data association. , 2014, , .		0
41	Calibrated kinect sensors for robot simultaneous localization and mapping. , 2014, , .		0
42	Using MATLAB as auxiliary tool in visual localization for mobile robots. , 2018, , .		0
43	Planar Robot Position and Orientation Measurement Using a Monocular Vision. Communications in Computer and Information Science, 2011, , 132-139.	0.5	0
44	Robot Pose and Velocity Estimation Using a Binocular Vision. Communications in Computer and Information Science, 2011, , 140-146.	0.5	0
45	Multiple-Obstacle Avoidance and Role Reassignment in Robot Formation Control. Advanced Science Letters, 2011, 4, 2864-2868.	0.2	0
46	Visual Moving Objects Tracking Using Shape Detectors and Object Models. Lecture Notes in Computer Science, 2017, , 187-192.	1.3	0