Tea-Yong Kuc

List of Publications by Year
in descending order

52 papers	321 citations	1163117 8 h-index	1125743 13 g-index
52 all docs	52 docs citations	52 times ranked	309 citing authors

#	Article	IF	Citations
1	Development of the Load-balanced Bin Packing System. , 2022, , .		0
2	Localization System Through 2D LiDAR based Semantic Feature For Indoor Robot. , 2022, , .		0
3	Vision-based Localization Using by Line with Point for Feature loss. , 2022, , .		0
4	Wall following navigation algorithm for a disinfecting robot. , 2022, , .		1
5	Ontology-Based Knowledge Representation in Robotic Systems: A Survey Oriented toward Applications. Applied Sciences (Switzerland), 2021, 11, 4324.	2.5	19
6	Development of a Simple Robotic Driver System (SimRoDS) to Test Fuel Economy of Hybrid Electric and Plug-In Hybrid Electric Vehicles Using Fuzzy-PI Control. Electronics (Switzerland), 2021, 10, 1444.	3.1	5
7	3D Recognition Based on Sensor Modalities for Robotic Systems: A Survey. Sensors, 2021, 21, 7120.	3.8	7
8	A pallet recognition and rotation algorithm for autonomous logistics vehicle system of a distribution center. , 2021, , .		2
9	Sea-Land Segmentation Using Deep Learning Techniques for Landsat-8 OLI Imagery. Marine Geodesy, 2020, 43, 105-133.	2.0	19
10	Autonomous Navigation Framework for Intelligent Robots Based on a Semantic Environment Modeling. Applied Sciences (Switzerland), 2020, 10, 3219.	2.5	21
11	Automatic Elevator Button Localization Using a Combined Detecting and Tracking Framework for Multi-Story Navigation. IEEE Access, 2020, 8, 1118-1134.	4.2	7
12	An Optimized Deep Neural Network Detecting Small and Narrow Rectangular Objects in Google Earth Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 1068-1081.	4.9	20
13	Feature Extraction and Matching Algorithms to Improve Localization Accuracy for Mobile Robots. , 2020, , .		1
14	Automatic Generation of a Simulated Robot from an Ontology-Based Semantic Description. , 2019, , .		1
15	A dynamic visual servoing of robot manipulator with eye-in-hand camera. , 2018, , .		2
16	A robust SLAM algorithm using hybrid map approach. , 2018, , .		4
17	Feature saliency based SLAM of mobile robot. , 2018, , .		2
18	A Classification-Lock Tracking Strategy Allowing a Person-Following Robot to Operate in a Complicated Indoor Environment â€. Sensors, 2018, 18, 3903.	3.8	11

#	Article	IF	Citations
19	Performance Comparison of Control Design for Unmanned Underwater Vehicle. Journal of Ocean Engineering and Technology, 2018, 32, 131-137.	1.2	0
20	Adaptive iterative learning controller with input learning technique for a class of uncertain MIMO nonlinear systems. International Journal of Control, Automation and Systems, 2017, 15, 315-328.	2.7	17
21	Geomagnetic localization of mobile robot. , 2017, , .		4
22	Classification-lock tracking approach applied on person following robot. , 2017, , .		1
23	An adaptive dynamics control of underwater vehicle based on velocity servo loop. , 2016, , .		0
24	PLL controller for precise velocity tracking of UUV: A new AUV model and its control. , 2015, , .		2
25	PLL controller for precise velocity tracking of UUV: A new ROV model and its control. , 2015, , .		1
26	An adaptive learning controller for MIMO uncertain feedback linearizable nonlinear systems. Nonlinear Dynamics, 2015, 80, 999-1016.	5.2	7
27	Fusing Range Measurements from Ultrasonic Beacons and a Laser Range Finder for Localization of a Mobile Robot. Sensors, 2015, 15, 11050-11075.	3.8	34
28	Stability guaranteed auto-tuning algorithm of a time-delay controller using a modified Nussbaum function. International Journal of Control, 2014, 87, 1926-1935.	1.9	44
29	Adaptive kinematic control of robot tracking. , 2011, , .		1
30	A geospatial technique for detecting distance and Reflection Angle between real and virtual objects. International Journal of Control, Automation and Systems, 2010, 8, 1133-1140.	2.7	0
31	A new design of interpolator for Time to Digital Converter. , 2010, , .		1
32	Implementation of dialogue system for intelligent service robots. , 2008, , .		2
33	Visual servoing of 8-DOF arm for mobile robot platform. , 2008, , .		3
34	Intelligent hybrid hierarchical architecture based object recognition system for robust robot vision. , 2008, , .		1
35	An embodiment of stereo vision system for mobile robot for real-time measuring distance and object tracking. , 2007, , .		7
36	Mobile Robot Design apply to Design Concept. , 2006, , .		2

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37	A Simple and Effective Correction Method for Distorted Image from Camera Lens System. , 2006, , .		2
38	An Adaptive Motion Learning Architecture for Mobile Robots. , 2006, , .		1
39	Remote-controlled Home Robot Server with Zigbee Sensor Network. , 2006, , .		11
40	A Novel Color patch System for the Large League MIROSOT. , 2006, , .		3
41	Comments on "Output feedback stabilization for uncertain systems: constrained Riccati approach". IEEE Transactions on Automatic Control, 2001, 46, 2044.	5.7	1
42	Learning and extraction of nonlinear mappings using an associative memory. , 0, , .		0
43	Associative memory network controller for robot manipulators with generalized trajectory learning ability. , 0, , .		1
44	An intelligent missile autopilot using genetic algorithm. , 0, , .		4
45	An adaptive PID learning control of DC motors. , 0, , .		15
46	Genetic algorithm based path planning and dynamic obstacle avoidance of mobile robots. , 0, , .		26
47	Goal directed motion control of 3D human characters. , 0, , .		0
48	Adaptive PID learning of periodic robot motion. , 0, , .		3
49	Robust object tracking of robot manipulator using low-cost vision system. , 0, , .		0
50	Dynamic visual servoing of mobile robots based on learning control inputs. , 0, , .		2
51	Perception, reasoning and learning of multiple agent systems for robot soccer. , 0, , .		3
52	Robust velocity learning and position tracking of nonholonomic mobile robots. , 0, , .		0