

# Tea-Yong Kuc

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Stability guaranteed auto-tuning algorithm of a time-delay controller using a modified Nussbaum function. <i>International Journal of Control</i> , 2014, 87, 1926-1935.	1.9	44
2	Fusing Range Measurements from Ultrasonic Beacons and a Laser Range Finder for Localization of a Mobile Robot. <i>Sensors</i> , 2015, 15, 11050-11075.	3.8	34
3	Genetic algorithm based path planning and dynamic obstacle avoidance of mobile robots. , 0, , .		26
4	Autonomous Navigation Framework for Intelligent Robots Based on a Semantic Environment Modeling. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3219.	2.5	21
5	An Optimized Deep Neural Network Detecting Small and Narrow Rectangular Objects in Google Earth Images. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2020, 13, 1068-1081.	4.9	20
6	Sea-Land Segmentation Using Deep Learning Techniques for Landsat-8 OLI Imagery. <i>Marine Geodesy</i> , 2020, 43, 105-133.	2.0	19
7	Ontology-Based Knowledge Representation in Robotic Systems: A Survey Oriented toward Applications. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4324.	2.5	19
8	Adaptive iterative learning controller with input learning technique for a class of uncertain MIMO nonlinear systems. <i>International Journal of Control, Automation and Systems</i> , 2017, 15, 315-328.	2.7	17
9	An adaptive PID learning control of DC motors. , 0, , .		15
10	Remote-controlled Home Robot Server with Zigbee Sensor Network. , 2006, , .		11
11	A Classification-Lock Tracking Strategy Allowing a Person-Following Robot to Operate in a Complicated Indoor Environment. <i>Sensors</i> , 2018, 18, 3903.	3.8	11
12	An embodiment of stereo vision system for mobile robot for real-time measuring distance and object tracking. , 2007, , .		7
13	An adaptive learning controller for MIMO uncertain feedback linearizable nonlinear systems. <i>Nonlinear Dynamics</i> , 2015, 80, 999-1016.	5.2	7
14	Automatic Elevator Button Localization Using a Combined Detecting and Tracking Framework for Multi-Story Navigation. <i>IEEE Access</i> , 2020, 8, 1118-1134.	4.2	7
15	3D Recognition Based on Sensor Modalities for Robotic Systems: A Survey. <i>Sensors</i> , 2021, 21, 7120.	3.8	7
16	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. <i>Electronics (Switzerland)</i> , 2021, 10, 1444.	3.1	5
17	An intelligent missile autopilot using genetic algorithm. , 0, , .		4
18	Geomagnetic localization of mobile robot. , 2017, , .		4

#	ARTICLE	IF	CITATIONS
19	A robust SLAM algorithm using hybrid map approach. , 2018, , .		4
20	Adaptive PID learning of periodic robot motion. , 0, , .		3
21	Perception, reasoning and learning of multiple agent systems for robot soccer. , 0, , .		3
22	A Novel Color patch System for the Large League MIROSOT. , 2006, , .		3
23	Visual servoing of 8-DOF arm for mobile robot platform. , 2008, , .		3
24	Dynamic visual servoing of mobile robots based on learning control inputs. , 0, , .		2
25	Mobile Robot Design apply to Design Concept. , 2006, , .		2
26	A Simple and Effective Correction Method for Distorted Image from Camera Lens System. , 2006, , .		2
27	Implementation of dialogue system for intelligent service robots. , 2008, , .		2
28	PLL controller for precise velocity tracking of UUV: A new AUV model and its control. , 2015, , .		2
29	A dynamic visual servoing of robot manipulator with eye-in-hand camera. , 2018, , .		2
30	Feature saliency based SLAM of mobile robot. , 2018, , .		2
31	A pallet recognition and rotation algorithm for autonomous logistics vehicle system of a distribution center. , 2021, , .		2
32	Associative memory network controller for robot manipulators with generalized trajectory learning ability. , 0, , .		1
33	Comments on "Output feedback stabilization for uncertain systems: constrained Riccati approach". IEEE Transactions on Automatic Control, 2001, 46, 2044.	5.7	1
34	An Adaptive Motion Learning Architecture for Mobile Robots. , 2006, , .		1
35	Intelligent hybrid hierarchical architecture based object recognition system for robust robot vision. , 2008, , .		1
36	A new design of interpolator for Time to Digital Converter. , 2010, , .		1

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37	Adaptive kinematic control of robot tracking. , 2011, , .		1
38	PLL controller for precise velocity tracking of UUV: A new ROV model and its control. , 2015, , .		1
39	Classification-lock tracking approach applied on person following robot. , 2017, , .		1
40	Automatic Generation of a Simulated Robot from an Ontology-Based Semantic Description. , 2019, , .		1
41	Feature Extraction and Matching Algorithms to Improve Localization Accuracy for Mobile Robots. , 2020, , .		1
42	Wall following navigation algorithm for a disinfecting robot. , 2022, , .		1
43	Learning and extraction of nonlinear mappings using an associative memory. , 0, , .		0
44	Goal directed motion control of 3D human characters. , 0, , .		0
45	Robust object tracking of robot manipulator using low-cost vision system. , 0, , .		0
46	Robust velocity learning and position tracking of nonholonomic mobile robots. , 0, , .		0
47	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
48	An adaptive dynamics control of underwater vehicle based on velocity servo loop. , 2016, , .		0
49	Performance Comparison of Control Design for Unmanned Underwater Vehicle. Journal of Ocean Engineering and Technology, 2018, 32, 131-137.	1.2	0
50	Development of the Load-balanced Bin Packing System. , 2022, , .		0
51	Localization System Through 2D LiDAR based Semantic Feature For Indoor Robot. , 2022, , .		0
52	Vision-based Localization Using by Line with Point for Feature loss. , 2022, , .		0