

Hamzah Ahmad

List of Publications by Year in descending order

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papers

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57
docs citations

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times ranked

303
citing authors

#	ARTICLE	IF	CITATIONS
1	Hâž Filter with Fuzzy Logic Estimation to Refrain Finite Escape Time. Lecture Notes in Electrical Engineering, 2022, , 303-312.	0.3	1
2	Hâž Filter with Fuzzy Logic Estimation: An Analysis to Refrain Finite Escape Time (FET). Lecture Notes in Electrical Engineering, 2022, , 909-921.	0.3	0
3	Intermittent Measurement and Finite Escape Time Correlations Study in Hâž Filter in Navigation. Lecture Notes in Electrical Engineering, 2022, , 601-611.	0.3	0
4	FRIT-based integral action state feedback controller tuning using PSO for a liquid slosh suppression system. Bulletin of Electrical Engineering and Informatics, 2022, 11, 1260-1271.	0.6	1
5	Model-Free Tuning of Laguerre Network for Impedance Matching in Bilateral Teleoperation System. Lecture Notes in Electrical Engineering, 2021, , 329-343.	0.3	0
6	An Analysis of State Covariance of Mobile Robot Navigation in Unstructured Environment Based on ROS. Lecture Notes in Electrical Engineering, 2021, , 259-270.	0.3	0
7	A Fictitious Reference Iterative Tuning Method for Buck Converter-Powered DC Motor Control System. Lecture Notes in Electrical Engineering, 2020, , 47-58.	0.3	2
8	Analysis of Mobile Robot Path Planning with Artificial Potential Fields. Lecture Notes in Electrical Engineering, 2019, , 181-196.	0.3	1
9	Diagonalization of Covariance Matrix in Simultaneous Localization and Mapping of Mobile Robot. Lecture Notes in Electrical Engineering, 2019, , 285-297.	0.3	1
10	Investigating State Covariance Properties During Finite Escape Time in Hâž Filter SLAM. Lecture Notes in Electrical Engineering, 2019, , 271-283.	0.3	1
11	Data Association Analysis in Simultaneous Localization and Mapping Problem. International Journal of Integrated Engineering, 2019, 11, .	0.2	0
12	A Resonant Type AC Magnetometer for Evaluation of Magnetic Nanoparticles. Lecture Notes in Mechanical Engineering, 2018, , 93-99.	0.3	1
13	An AC Magnetometer using Automatic Frequency Switching of a Resonant Excitation Coil for Magnetic Nanoparticles Characterization. , 2018, , .		4
14	Kalman filter estimation of RLC parameters for UMP transmission line. MATEC Web of Conferences, 2018, 150, 01017.	0.1	0
15	Detection of Metallic Contaminant in Aluminium Soda Can Using TMR Sensor. Lecture Notes in Mechanical Engineering, 2018, , 527-535.	0.3	1
16	A Solution to Partial Observability in Extended Kalman Filter Mobile Robot Navigation. Telkomnika (Telecommunication Computing Electronics and Control), 2018, 16, 134.	0.6	4
17	A Solution to Partial Observability in Extended Kalman Filter Mobile Robot Navigation. Telkomnika (Telecommunication Computing Electronics and Control), 2018, 16, 134.	0.6	2
18	Kalman Filter Estimation of Impedance Parameters for Medium Transmission Line. Telkomnika (Telecommunication Computing Electronics and Control), 2018, 16, 900.	0.6	1

#	ARTICLE	IF	CITATIONS
19	Data-Driven Impedance Matching in Multilateral Teleoperation Systems. Indonesian Journal of Electrical Engineering and Computer Science, 2018, 10, 713.	0.7	2
20	Detection and analysis of activity recognition for and rehabilitation. , 2017, , .		1
21	Three Fingered Gripper Grasping Analysis of Different Objects Using Fuzzy Logic Controller. Advanced Science Letters, 2017, 23, 5102-5106.	0.2	2
22	Investigation on intermittent observation in mobile robot localization with fuzzy logic technique. , 2016, , .		1
23	Examining the eigenvalues effect to the computational cost in mobile robot simultaneous localization and mapping. Computers and Electrical Engineering, 2016, 56, 659-673.	3.0	5
24	Fuzzy logic based centralized power sharing scheme. , 2016, , .		1
25	An Assembly Sequence Planning Approach with a Multi-state Particle Swarm Optimization. Lecture Notes in Computer Science, 2016, , 841-852.	1.0	3
26	DESIGN AND ANALYSIS OF FLC AND FEEDBACK CONTROL FOR THREE FINGER GRIPPER SYSTEM. Jurnal Teknologi (Sciences and Engineering), 2016, 78, .	0.3	0
27	A Multi-state Gravitational Search Algorithm for Combinatorial Optimization Problems. , 2015, , .		0
28	The impact of cross-correlation on mobile robot localization. International Journal of Control, Automation and Systems, 2015, 13, 1251-1261.	1.6	7
29	Sufficient Condition for Estimation in DesigningHâžFilter-Based SLAM. Mathematical Problems in Engineering, 2015, 2015, 1-14.	0.6	3
30	An Improved Multi-state Particle Swarm Optimization for Discrete Optimization Problems. , 2015, , .		2
31	Rule-based multi-state gravitational search algorithm for discrete optimization problem. , 2015, , .		0
32	An assembly sequence planning approach with a rule-based multi-state gravitational search algorithm. International Journal of Advanced Manufacturing Technology, 2015, 79, 1363-1376.	1.5	25
33	Distinguish Sea Turtle and Fish Using Sound Technique in Designing Acoustic Deterrent Device. Telkomnika (Telecommunication Computing Electronics and Control), 2015, 13, 1305.	0.6	2
34	Analyzing the mobile robot localization performance in partially observable conditions. , 2014, , .		0
35	Estimation behavior of intermittent measurement in EKF-based SLAM. , 2014, , .		0
36	Intelligent control of robot gripper considering feature conditions. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
37	Electrical circuit model of a vanadium redox flow battery using extended Kalman filter. Journal of Power Sources, 2013, 239, 284-293.	4.0	91
38	The effect of intermittent measurement in Simultaneous Localization and Mapping. , 2013, , .		1
39	Extended Kalman filter-based mobile robot localization with intermittent measurements. Systems Science and Control Engineering, 2013, 1, 113-126.	1.8	65
40	Fuzzy Logic Controller Design for A Robot Grasping System with Different Membership Functions. IOP Conference Series: Materials Science and Engineering, 2013, 53, 012051.	0.3	4
41	Periodic Boundary Value Problems For Systems of First-Order Differential Equations with Impulses. Springer Proceedings in Mathematics and Statistics, 2013, , 525-534.	0.1	1
42	Estimating the State-of-Charge of all-Vanadium Redox Flow Battery using a Divided, Open-circuit Potentiometric Cell. Elektronika Ir Elektrotehnika, 2013, 19, .	0.4	19
43	Acoustic Strength of Green Turtle and Fish Based on FFT Analysis. International Journal of Advanced Computer Science and Applications, 2013, 4, .	0.5	1
44	Robot localization and mapping problem with bounded noise uncertainties. , 2012, , .		2
45	A Novel Multi-state Particle Swarm Optimization for Discrete Combinatorial Optimization Problems. , 2012, , .		11
46	Adaptive Speed Control for Autonomous Mobile Robot Using Fuzzy Logic Controller. Communications in Computer and Information Science, 2012, , 67-74.	0.4	0
47	H $\hat{\alpha}$ Filter-SLAM: A Sufficient Condition for Estimation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 3159-3164.	0.4	5
48	Robotic Mapping and Localization Considering Unknown Noise Statistics. Journal of System Design and Dynamics, 2011, 5, 70-82.	0.3	15
49	Covariance inflation efficiency in H $\hat{\alpha}$ filter based SLAM. , 2011, , .		1
50	Intermittent Measurement in Robotic Localization and Mapping with FIM Statistical Bounds. IEEJ Transactions on Electronics, Information and Systems, 2011, 131, 1223-1232.	0.1	10
51	Robot localization and mapping problem with unknown noise characteristics. , 2010, , .		10
52	Feasibility study of partial observability in H $\hat{\alpha}$ filtering for robot localization and mapping problem. , 2010, , .		6
53	An Approach of Fuzzy Logic H $\hat{\alpha}$ Filter in Mobile Robot Navigation Considering Non-Gaussian Noise. , 0, , .		0
54	An Improved Multi-State Particle Swarm Optimization for Discrete Combinatorial Optimization Problems. International Journal of Simulation: Systems, Science and Technology, 0, , .	0.0	1

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55	A Novel Multi-State Gravitational Search Algorithm for Discrete Optimization Problems. International Journal of Simulation: Systems, Science and Technology, 0, , .	0.0	0