Wasif Naeem

List of Publications by Year
in descending order

54	1,368	567247	414395
papers	citations	15	32
		h-index	g-index

54	54	54	1121
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A sequence models-based real-time multi-person action recognition method with monocular vision. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 1877-1887.	4.9	2
2	An Integrated Risk Assessment and Collision Avoidance Methodology for an Autonomous Catamaran with Fuzzy Weighting Functions. , 2022, , .		0
3	Pose Estimation based on a Dual Quaternion Feedback Particle Filter. , 2022, , .		0
4	Multi-person vision tracking approach based on human body localization features. Advances in Manufacturing, 2021, 9, 496-508.	6.1	1
5	Humanoid motion planning of robotic arm based on human arm action feature and reinforcement learning. Mechatronics, 2021, 78, 102630.	3.3	11
6	Robot Dynamic Collision Detection Method Based on Obstacle Point Cloud Envelope Model. Communications in Computer and Information Science, 2021, , 370-378.	0.5	0
7	A Multiobjective Optimization Approach for COLREGs-Compliant Path Planning of Autonomous Surface Vehicles Verified on Networked Bridge Simulators. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 1167-1179.	8.0	68
8	RBPF-MSIS: Toward Rao-Blackwellized Particle Filter SLAM for Autonomous Underwater Vehicle With Slow Mechanical Scanning Imaging Sonar. IEEE Systems Journal, 2020, 14, 3301-3312.	4.6	18
9	An Adaptive fuzzy-PD inertial control strategy for a DFIG wind turbine for frequency support. Journal of Applied Materials and Technology, 2020, 2, 14-26.	0.5	0
10	Slip signal analysis on a Baxter robot. IFAC-PapersOnLine, 2019, 52, 19-24.	0.9	3
11	Experimental Validation of an Integral Sliding Mode-Based LQG for the Pitch Control of a UAV-mimicking Platform. Advances in Electrical and Electronic Engineering, 2019, 17, .	0.3	9
12	Fuzzy Rule-Based Energy Management Strategy for a Parallel Mild-Hybrid Electric Bus. , 2018, , .		0
13	Modelling and Estimation for Uncertain Systems with Transmission Delays, Packet Dropouts, and Out-of-Order Packets. Complexity, 2018, 2018, 1-15.	1.6	3
14	Cooperative Slip Detection Using a Dual-Arm Baxter Robot. Communications in Computer and Information Science, 2018, , 246-258.	0.5	0
15	Multiple robots formation manoeuvring and collision avoidance strategy. International Journal of Automation and Computing, 2017, 14, 696-705.	4.5	4
16	A cooperative formationâ€‘based collision avoidance approach for a group of autonomous vehicles. International Journal of Adaptive Control and Signal Processing, 2017, 31, 489-506.	4.1	7
17	Distributed weighted fusion estimation for uncertain networked systems with transmission time-delay and cross-correlated noises. Neurocomputing, 2017, 270, 54-65.	5.9	22
18	Heuristic Based Terminal Iterative Learning Control of ISBM Reheating Processes. Communications in Computer and Information Science, 2017, , 262-271.	0.5	0

#	Article	IF	Citations
19	COLREGs-Compliant Path Planning for Autonomous Surface Vehicles: A Multiobjective Optimization Approach * *The authors should like to thank Innovate UK, grant reference, TSB 102308, for the funding of this project. IFAC-PapersOnLine, 2017, 50, 13662-13667.	0.9	37
20	Cooperative mapping and exploration using counter-rotational potential fields. , 2016, , .		1
21	Underwater surveying and mapping using rotational potential fields for multiple autonomous vehicles. , 2016, , .		2
22	A Reactive COLREGs-Compliant Navigation Strategy for Autonomous Maritime Navigation. IFAC-PapersOnLine, 2016, 49, 207-213.	0.9	47
23	An active PID-based inertial control of a doubly-fed induction generator. , 2016, , .		2
24	Distributed fusion estimation for uncertain systems with cross-correlated noises and transmission delays. , 2016, , .		1
25	Cooperative obstacle avoidance using bidirectional artificial potential fields. , 2016, , .		7
26	Investigating the effect of PID controller on inertial response in doubly fed induction generator (DFIG). , 2016, , .		3
27	Security analysis of stochastic networked control systems under false data injection attacks. , 2016, , .		5
28	Multi-UAVs formation autopilot design and performance analysis under interconnection topologies. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2016, 230, 469-484.	1.3	0
29	Heading control of UWV and performance analysis subject to hydrodynamic disturbances. , 2015, , .		0
30	ADAPTIVE IDENTIFICATION OF UNDERWATER GLIDER USING U-MODEL FOR DEPTH & PITCH CONTROL UNDER HYDRODYNAMIC DISTURBANCES. Jurnal Teknologi (Sciences and Engineering), 2015, 74, .	0.4	8
31	Optimizing the efficiency of the sub-map technique for large-scale simultaneous localization and mapping. Transactions of the Institute of Measurement and Control, 2015, 37, 329-344.	1.7	1
32	Co-operative tensegrity-based formation control algorithm for a multi-aircraft system. , 2015, , .		4
33	Formation stability analysis of unmanned multi-vehicles under interconnection topologies. International Journal of Control, 2015, 88, 754-767.	1.9	4
34	Improved APF strategies for dual-arm local motion planning. Transactions of the Institute of Measurement and Control, 2015, 37, 73-90.	1.7	29
35	Decentralised formation control and stability analysis for multi-vehicle cooperative manoeuvre. IEEE/CAA Journal of Automatica Sinica, 2014, 1, 92-100.	13.1	9
36	An automatic COLREGs-compliant obstacle avoidance system for an unmanned surface vehicle. Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment, 2014, 228, 108-121.	0.5	27

#	Article	IF	Citations
37	Stability Analysis and Implementation of a Decentralized Formation Control Strategy for Unmanned Vehicles. IEEE Transactions on Control Systems Technology, 2014, 22, 706-720.	5.2	62
38	Synthesis of Multi-robot Formation Manoeuvre and Collision Avoidance. Communications in Computer and Information Science, 2014, , 533-542.	0.5	1
39	An intelligent configuration-sampling based local motion planner for robotic manipulators. , 2013, , .		5
40	Dynamic Tensegrity Based Cooperative Control of Uninhabited Vehicles. Communications in Computer and Information Science, 2013, , 486-495.	0.5	4
41	A Decision Support Framework for Collision Avoidance of Unmanned Maritime Vehicles. Communications in Computer and Information Science, 2013, , 549-557.	0.5	6
42	A review on improving the autonomy of unmanned surface vehicles through intelligent collision avoidance manoeuvres. Annual Reviews in Control, 2012, 36, 267-283.	7.9	358
43	Tensegrity-based formation control of unmanned vehicles. , 2012, , .		5
44	COLREGs-based collision avoidance strategies for unmanned surface vehicles. Mechatronics, 2012, 22, 669-678.	3.3	169
45	A decentralised control strategy for formation flight of unmanned aerial vehicles. , 2012, , .		10
46	Novel decentralised formation control for unmanned vehicles. , 2012, , .		9
47	An integrated multi-sensor data fusion algorithm and autopilot implementation in an uninhabited surface craft. Ocean Engineering, 2012, 39, 43-52.	4.3	30
48	Evasive Decision Making in Uninhabited Maritime Vehicles. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 12833-12838.	0.4	4
49	SpaciMS: spatial and temporal operando resolution of reactions within catalytic monoliths. Analyst, The, 2010, 135, 2260.	3.5	60
50	An Automatic Collision Avoidance Strategy for Unmanned Surface Vehicles. Communications in Computer and Information Science, 2010, , 184-191.	0.5	5
51	Observer Kalman filter identification of an autonomous underwater vehicle. Control Engineering Practice, 2007, 15, 727-739.	5.5	56
52	Soft Computing Design of a Linear Quadratic Gaussian Controller for an Unmanned Surface Vehicle. , 2006, , .		12
53	An online genetic algorithm based model predictive control autopilot design with experimental verification. International Journal of Control, 2005, 78, 1076-1090.	1.9	30
54	Adaptive tuning of a Kalman filter via fuzzy logic for an intelligent AUV navigation system. Control Engineering Practice, 2004, 12, 1531-1539.	5.5	207