

Saverio Farsoni

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

358
citations

1040056

9
h-index

839539

18
g-index

30
all docs

30
docs citations

30
times ranked

349
citing authors

#	ARTICLE	IF	CITATIONS
1	Complete and Consistent Payload Identification During Human-Robot Collaboration: A Safety-Oriented Procedure. Springer Proceedings in Advanced Robotics, 2022, , 15-28.	1.3	2
2	Improving the Feasibility of DS-based Collision Avoidance Using Non-Linear Model Predictive Control. , 2022, , .		1
3	Application of Data-Driven Fault Diagnosis Design Techniques to a Wind Turbine Test-Rig. Lecture Notes in Networks and Systems, 2021, , 23-38.	0.7	0
4	Fuzzy and Neural Network Approaches to Wind Turbine Fault Diagnosis. Applied Sciences (Switzerland), 2021, 11, 5035.	2.5	9
5	Toward Future Automatic Warehouses: An Autonomous Depalletizing System Based on Mobile Manipulation and 3D Perception. Applied Sciences (Switzerland), 2021, 11, 5959.	2.5	9
6	Simulation and Experimental Validation of Fuzzy Control Techniques for Wind Turbine System and Hydroelectric Plant. , 2021, , .		0
7	Design and Validation of a Fault Tolerant Fuzzy Control for a Wind Park High-Fidelity Simulator. , 2021, , .		0
8	Safety barrier functions and multi-camera tracking for human-robot shared environment. Robotics and Autonomous Systems, 2020, 124, 103388.	5.1	51
9	Technical and Functional Validation of a Teleoperated Multirobots Platform for Minimally Invasive Surgery. IEEE Transactions on Medical Robotics and Bionics, 2020, 2, 148-156.	3.2	10
10	Augmented Reality and Robotic-Assistance for Percutaneous Nephrolithotomy. IEEE Robotics and Automation Letters, 2020, 5, 4556-4563.	5.1	13
11	Dynamic Motion Planning for Autonomous Assistive Surgical Robots. Electronics (Switzerland), 2019, 8, 957.	3.1	18
12	Safety-oriented robot payload identification using collision-free path planning and decoupling motions. Robotics and Computer-Integrated Manufacturing, 2019, 59, 189-200.	9.9	11
13	Real-Time Identification of Robot Payload Using a Multirate Quaternion-Based Kalman Filter and Recursive Total Least-Squares. , 2018, , .		7
14	Data-Driven Techniques for the Fault Diagnosis of a Wind Turbine Benchmark. International Journal of Applied Mathematics and Computer Science, 2018, 28, 247-268.	1.5	19
15	Compensation of Load Dynamics for Admittance Controlled Interactive Industrial Robots Using a Quaternion-Based Kalman Filter. IEEE Robotics and Automation Letters, 2017, 2, 672-679.	5.1	33
16	A Versatile Ultrasound Simulation System for Education and Training in High-Fidelity Emergency Scenarios. IEEE Journal of Translational Engineering in Health and Medicine, 2017, 5, 1-9.	3.7	14
17	A low-cost high-fidelity ultrasound simulator with the inertial tracking of the probe pose. Control Engineering Practice, 2017, 59, 183-193.	5.5	8
18	Data-Driven Fault Diagnosis of a Wind Farm Benchmark Model. Energies, 2017, 10, 866.	3.1	13

#	ARTICLE	IF	CITATIONS
19	Design of an ultrasound simulator with probe pose tracking and medical dataset processing and visualization. IFAC-PapersOnLine, 2015, 48, 377-382.	0.9	3
20	Chemical Process Disturbance Compensation as a Fault Tolerant Control Problem. IFAC-PapersOnLine, 2015, 48, 1102-1107.	0.9	0
21	Active Fault-Tolerant Control of Offshore Wind Farm Installations. IFAC-PapersOnLine, 2015, 48, 1351-1356.	0.9	4
22	Wind turbine simulator fault diagnosis via fuzzy modelling and identification techniques. Sustainable Energy, Grids and Networks, 2015, 1, 45-52.	3.9	22
23	Fault Diagnosis of a Wind Turbine Benchmark via Identified Fuzzy Models. IEEE Transactions on Industrial Electronics, 2015, 62, 3775-3782.	7.9	89
24	Residual Generator Fuzzy Identification for Wind Turbine Benchmark Fault Diagnosis. Machines, 2014, 2, 275-298.	2.2	9
25	Fault tolerant control design for a wind farm benchmark via fuzzy modelling and identification. , 2014, , .		2
26	Fault tolerant control of an offshore wind turbine model via identified fuzzy prototypes. , 2014, , .		6
27	Active fault tolerant control of wind turbines using identified nonlinear filters. , 2013, , .		3
28	Robust actuator fault diagnosis of a wind turbine benchmark model. , 2013, , .		1