

Riccardo Antonello

List of Publications by Year in descending order

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papers

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351
citing authors

#	ARTICLE	IF	CITATIONS
1	Drive-by-Wi-Fi: Model-Based Control Over Wireless at 1 kHz. IEEE Transactions on Control Systems Technology, 2022, 30, 1078-1089.	3.2	4
2	Model-Based Policy Search Using Monte Carlo Gradient Estimation With Real Systems Application. IEEE Transactions on Robotics, 2022, 38, 3879-3898.	7.3	6
3	High-Precision Dual-Stage Pointing Mechanism for Miniature Satellite Laser Communication Terminals. IEEE Transactions on Industrial Electronics, 2021, 68, 776-785.	5.2	12
4	Time-Critical Wireless Networked Embedded Systems: Feasibility and Experimental Assessment. IEEE Transactions on Industrial Informatics, 2020, 16, 7732-7742.	7.2	7
5	LaserCube optical communication terminal for nano and micro satellites. Acta Astronautica, 2020, 173, 310-319.	1.7	14
6	Dual Quaternion Delay Compensating Maneuver Regulation for Fully Actuated UAVs. IFAC-PapersOnLine, 2020, 53, 9316-9321.	0.5	1
7	Cooperative Optimization of UAVs Formation Visual Tracking. Robotics, 2019, 8, 52.	2.1	11
8	Embedded systems for time-critical applications over Wi-Fi: design and experimental assessment. , 2019, , ,		2
9	Online Stator Resistance Tracking for Reluctance and Interior Permanent Magnet Synchronous Motors. IEEE Transactions on Industry Applications, 2018, 54, 3405-3414.	3.3	19
10	Enhanced Low-Speed Operations for Sensorless Anisotropic PM Synchronous Motor Drives by a Modified Back-EMF Observer. IEEE Transactions on Industrial Electronics, 2018, 65, 3069-3076.	5.2	43
11	A Dual Quaternion Feedback Linearized Approach for Maneuver Regulation of Rigid Bodies. , 2018, 2, 327-332.		2
12	Use of MEMS Inertial Sensors for Performance Improvement of Low-cost Motion Control Systems. IEEE Journal of Industry Applications, 2016, 5, 78-89.	0.9	8
13	Estimation of load-side position of two mass resonant systems using MEMS accelerometers. , 2016, , ,		3
14	Acceleration Measurement Drift Rejection in Motion Control Systems by Augmented-State Kinematic Kalman Filter. IEEE Transactions on Industrial Electronics, 2016, 63, 1953-1961.	5.2	50
15	Feasible trajectory generation for a dual stage positioning system using a simplified model predictive control approach. , 2015, , ,		1
16	Use of MEMS accelerometers for load position estimation of ball-screw driven table systems. , 2015, , ,		0
17	Benefits of Direct Phase Voltage Measurement in the Rotor Initial Position Detection for Permanent-Magnet Motor Drives. IEEE Transactions on Industrial Electronics, 2015, 62, 6719-6726.	5.2	36
18	Development of a water ski simulator for indoor training with proprioceptive and visual feedback. , 2014, , ,		1

#	ARTICLE	IF	CITATIONS
19	Use of antagonistic shape memory alloy wires in load positioning applications. , 2014, , .		3
20	Force controller tuning for a master-slave system with proximity based haptic feedback. , 2014, , .		3
21	IMU-aided image stabilization and tracking in a HSM-driven camera positioning unit. , 2013, , .		3
22	IMU-based image stabilization in a HSM-driven camera positioning unit. , 2013, , .		2
23	Use of MEMS accelerometers for performance improvement of motion control systems with low resolution position sensors. , 2013, , .		3
24	Performance improvement of motion control systems with low resolution position sensors using MEMS accelerometers. , 2013, , .		4
25	Stability of a telerobotic manipulation system with proximity—Based haptic feedback. , 2012, , .		1
26	A telerobotic manipulation system for an immerse ultrasonic examination using haptic constraints. , 2012, , .		3
27	Exploring the Potential of MEMS Gyroscopes: Successfully Using Sensors in Typical Industrial Motion Control Applications. IEEE Industrial Electronics Magazine, 2012, 6, 14-24.	2.3	27
28	Motion reconstruction with a low-cost MEMS IMU for the automation of human operated specimen manipulation. , 2011, , .		6
29	Use of MEMS gyroscopes in active vibration damping for HSM-driven positioning systems. , 2011, , .		1
30	Realization of an adaptive voltage driver for voice coil motor. Microsystem Technologies, 2005, 11, 663-675.	1.2	5