

Ioannis Arvanitakis

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

240
citations

1478458

6
h-index

1474186

9
g-index

17
all docs

17
docs citations

17
times ranked

261
citing authors

#	ARTICLE	IF	CITATIONS
1	Piecewise Affine Modeling and Constrained Optimal Control for a Pneumatic Artificial Muscle. IEEE Transactions on Industrial Electronics, 2014, 61, 904-916.	7.9	72
2	A New Approach for Broken Rotor Bar Detection in Induction Motors Using Frequency Extraction in Stray Flux Signals. IEEE Transactions on Industry Applications, 2019, 55, 3501-3511.	4.9	61
3	Analysis of Stray Flux Spectral Components in Induction Machines under Rotor Bar Breakages at Various Locations. , 2018, , .		21
4	FEM approach for diagnosis of induction machines' non-adjacent broken rotor bars by short-time Fourier transform spectrogram. Journal of Engineering, 2019, 2019, 4566-4570.	1.1	13
5	Mobile robot navigation in unknown environment based on exploration principles. , 2016, , .		11
6	On the broken rotor bar diagnosis using time-frequency analysis: Is one spectral representation enough for the characterisation of monitored signals? IET Electric Power Applications, 2019, 13, 932-942.	1.8	10
7	Switching model predictive control of a pneumatic artificial muscle. International Journal of Control, Automation and Systems, 2013, 11, 1223-1231.	2.7	8
8	Induction Motors Torque Analysis via Frequency Extraction for Reliable Broken Rotor Bar Detection. , 2020, , .		7
9	Trajectory optimization satisfying the robot's kinodynamic constraints for obstacle avoidance. , 2012, , .		6
10	Extraction of Frequency Information for the Reliable Screening of Rotor Electrical Faults Via Torque Monitoring in Induction Motors. IEEE Transactions on Industry Applications, 2021, 57, 5949-5958.	4.9	6
11	Geodesic motion planning on 3D-terrains satisfying the robot's kinodynamic constraints. , 2013, , .		5
12	Mobile Robot Navigation Under Pose Uncertainty in Unknown Environments * *This work has received funding from the European Union Horizon 2020 Research and Innovation Programme under the Grant Agreement No. 644128, AEROWORKS.. IFAC-PapersOnLine, 2017, 50, 12710-12714.	0.9	5
13	Synergistic exploration and navigation of mobile robots under pose uncertainty in unknown environments. International Journal of Advanced Robotic Systems, 2018, 15, 172988141775078.	2.1	5
14	Collaborative mapping and navigation for a mobile robot swarm. , 2017, , .		4
15	FEM Study of Induction Machines Suffering from Rotor Electrical Faults Using Stray Flux Signature Analysis. , 2018, , .		3
16	A critical comparison on attitude estimation: From gaussian approximate filters to coordinate-free dual optimal control. IET Control Theory and Applications, 2021, 15, 1297-1313.	2.1	2
17	A collaborative Unmanned Helicopter control strategy for image compression and wireless transmission. , 2010, , .		1