

# Mehdi Hosseinzadeh

## List of Publications by Year in descending order

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28  
papers

925  
citations

840119

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839053

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28  
docs citations

28  
times ranked

1127  
citing authors

#	ARTICLE	IF	CITATIONS
1	MPC-Based Emergency Vehicle-Centered Multi-Intersection Traffic Control. IEEE Transactions on Control Systems Technology, 2023, 31, 166-178.	3.2	7
2	Reference Governor-based fault-tolerant constrained control. Automatica, 2022, 136, 110089.	3.0	9
3	ROTEC: Robust to early termination command governor for systems with limited computing capacity. Systems and Control Letters, 2022, 161, 105142.	1.3	4
4	Implementing Optimization-Based Control Tasks in Cyber-Physical Systems With Limited Computing Capacity. , 2022, , .		3
5	Reference dependent invariant sets: Sum of squares based computation and applications in constrained control. Automatica, 2021, 129, 109614.	3.0	9
6	Thrust vector control of constrained multibody systems. Automatica, 2021, 129, 109586.	3.0	3
7	UAV geofencing: navigation of UAVs in constrained environments. , 2021, , 567-594.		3
8	A distributed optimal power management system for microgrids with plug&play capabilities. Advanced Control for Applications, 2021, 3, .	0.8	16
9	An Explicit Reference Governor for the Intersection of Concave Constraints. IEEE Transactions on Automatic Control, 2020, 65, 1-11.	3.6	29
10	Constrained Control of Depth of Hypnosis During Induction Phase. IEEE Transactions on Control Systems Technology, 2020, 28, 2490-2496.	3.2	10
11	Constrained Control of Semilinear Fractional-Order Systems: Application in Drug Delivery Systems. , 2020, , .		8
12	Islanding Fault Detection in Microgridsâ€”A Survey. Energies, 2020, 13, 3479.	1.6	16
13	Safety enforcement in closed-loop anesthesiaâ€”A comparison study. Control Engineering Practice, 2020, 105, 104653.	3.2	4
14	Robust control applications in biomedical engineering: Control of depth of hypnosis. , 2020, , 89-125.		17
15	An Explicit Reference Governor Scheme for Closed-Loop Anesthesia. , 2019, , .		12
16	Constrained Control of Linear Systems Subject to Combinations of Intersections and Unions of Concave Constraints. , 2019, 3, 571-576.		21
17	Feasibility and Detection of Replay Attack in Networked Constrained Cyber-Physical Systems. , 2019, , .		23
18	A Distributed Method for Linear Programming Problems With Box Constraints and Time-Varying Inequalities. , 2019, 3, 404-409.		21

#	ARTICLE	IF	CITATIONS
19	Fault-Tolerant Supervisory Controller for a Hybrid AC/DC Micro-Grid. IEEE Transactions on Smart Grid, 2018, 9, 2809-2823.	6.2	80
20	Multi-model robust control of depth of hypnosis. Biomedical Signal Processing and Control, 2018, 40, 443-453.	3.5	22
21	Constrained Control of UAVs in Geofencing Applications. , 2018, , .		43
22	Robust adaptive passivity-based control of open-loop unstable affine nonlinear systems subject to actuator saturation. IET Control Theory and Applications, 2017, 11, 2731-2742.	1.2	27
23	Analysis and detection of a wind system failure in a micro-grid. Journal of Renewable and Sustainable Energy, 2016, 8, .	0.8	32
24	Determination of maximum solar power under shading and converter faultsâ€”A prerequisite for failure-tolerant power management systems. Simulation Modelling Practice and Theory, 2016, 62, 14-30.	2.2	28
25	Performance enhanced model reference adaptive control through switching non-quadratic Lyapunov functions. Systems and Control Letters, 2015, 76, 47-55.	1.3	59
26	Power management of an isolated hybrid AC/DC micro-grid with fuzzy control of battery banks. IET Renewable Power Generation, 2015, 9, 484-493.	1.7	180
27	Robust Optimal Power Management System for a Hybrid AC/DC Micro-Grid. IEEE Transactions on Sustainable Energy, 2015, 6, 675-687.	5.9	233
28	H <sub>2</sub> disturbance attenuation of fuzzy large-scale systems. , 2011, , .		6