

Bostjan Pregelj

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

212
citations

933447

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1058476

14
g-index

25
all docs

25
docs citations

25
times ranked

196
citing authors

#	ARTICLE	IF	CITATIONS
1	Detection of Flooding and Drying inside a PEM Fuel Cell Stack. Strojinski Vestnik/Journal of Mechanical Engineering, 2013, 59, 56-64.	1.1	37
2	Feedforward-feedback control of a solid oxide fuel cell power system. International Journal of Hydrogen Energy, 2018, 43, 6352-6363.	7.1	31
3	Hybrid explicit model predictive control of a nonlinear process approximated with a piecewise affine model. Journal of Process Control, 2010, 20, 832-839.	3.3	19
4	A model-based approach to battery selection for truck onboard fuel cell-based APU in an anti-idling application. Applied Energy, 2015, 137, 64-76.	10.1	18
5	Control of autothermal reforming reactor of diesel fuel. Journal of Power Sources, 2016, 313, 223-232.	7.8	16
6	Improving the operation of a fuel-cell power unit with supervision control – A simulation study. Journal of Power Sources, 2011, 196, 9419-9428.	7.8	14
7	Feedforward-Feedback Control of a SOFC Power System: A Simulation Study. ECS Transactions, 2015, 68, 3151-3163.	0.5	13
8	Impact of fuel cell and battery size to overall system performance – A diesel fuel-cell APU case study. Applied Energy, 2016, 182, 365-375.	10.1	13
9	Tuning of a tracking multi-parametric predictive controller using local linear analysis. IET Control Theory and Applications, 2012, 6, 669.	2.1	10
10	A Diesel-Powered Fuel Cell APU – Reliability Issues and Mitigation Approaches. IEEE Transactions on Industrial Electronics, 2017, 64, 6660-6670.	7.9	10
11	Model predictive control of ITER plasma current and shape using singular-value decomposition. Fusion Engineering and Design, 2018, 129, 158-163.	1.9	9
12	An assessment of water conditions in a PEM fuel cell stack using Electrochemical Impedance Spectroscopy. , 2012, , .		7
13	Pattern recognition-based supervision of indirect adaptation for better disturbance handling. ISA Transactions, 2007, 46, 561-568.	5.7	4
14	Control of an afterburner in a diesel fuel cell power unit under variable load. Journal of Power Sources, 2017, 338, 117-128.	7.8	3
15	Disturbance rejection tuning of a tracking multi-parametric predictive controller. , 2009, , .		2
16	Local Decay of Residuals in Dual Gradient Method Applied to MPC Studied using Active Set Approach. , 2017, , .		2
17	Plasma current and shape control for ITER using fast online MPC. , 2016, , .		1
18	Improving Operation of a 2.5kW SOFC Power System with Supervisory Control. ECS Transactions, 2017, 78, 265-274.	0.5	1

#	ARTICLE	IF	CITATIONS
19	Soft inequality constraints in gradient method and fast gradient method for quadratic programming. Optimization and Engineering, 2019, 20, 749-767.	2.4	1
20	Model predictive control of resistive wall mode for ITER. Fusion Engineering and Design, 2020, 160, 111877.	1.9	1
21	Hybrid multi-parametric model predictive control of a nonlinear process approximated with a piecewise affine model. , 2009, , .		0
22	Model of an 8-kW Fuel Cell Based Power Unit for Operation Monitoring, Optimization and Control Testing. , 2013, , .		0
23	Finite-word-length FPGA implementation of model predictive control for ITER resistive wall mode control. Fusion Engineering and Design, 2021, 169, 112480.	1.9	0
24	Tracking Explicit Model Predictive Controllers for Low-Level Control Applications. Advances in Industrial Control, 2013, , 77-100.	0.5	0
25	Local Decay of Residuals in Dual Gradient Method with Soft State Constraints. Lecture Notes in Electrical Engineering, 2020, , 73-86.	0.4	0