

Pantelis Sopasakis

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4590147/publications.pdf>

Version: 2024-02-01

39
papers

928
citations

623734

14
h-index

713466

21
g-index

39
all docs

39
docs citations

39
times ranked

1003
citing authors

#	ARTICLE	IF	CITATIONS
1	The eNanoMapper database for nanomaterial safety information. Beilstein Journal of Nanotechnology, 2015, 6, 1609-1634.	2.8	92
2	Collaborative development of predictive toxicology applications. Journal of Cheminformatics, 2010, 2, 7.	6.1	91
3	Stochastic model predictive control for constrained discrete-time Markovian switching systems. Automatica, 2014, 50, 2504-2514.	5.0	72
4	Fractional calculus in pharmacokinetics. Journal of Pharmacokinetics and Pharmacodynamics, 2018, 45, 107-125.	1.8	69
5	Embedded nonlinear model predictive control for obstacle avoidance using PANOC. , 2018, , .		68
6	OpEn: Code Generation for Embedded Nonconvex Optimization. IFAC-PapersOnLine, 2020, 53, 6548-6554.	0.9	47
7	Stabilising model predictive control for discrete-time fractional-order systems. Automatica, 2017, 75, 24-31.	5.0	45
8	Aerial navigation in obstructed environments with embedded nonlinear model predictive control. , 2019, , .		45
9	A global piecewise smooth Newton method for fast large-scale model predictive control. Automatica, 2011, 47, 2016-2022.	5.0	43
10	Risk-averse model predictive control. Automatica, 2019, 100, 281-288.	5.0	41
11	Model Predictive Control for Linear Impulsive Systems. IEEE Transactions on Automatic Control, 2015, 60, 2277-2282.	5.7	39
12	Scenario-based model predictive operation control of islanded microgrids. , 2015, , .		35
13	GPU-Accelerated Stochastic Predictive Control of Drinking Water Networks. IEEE Transactions on Control Systems Technology, 2018, 26, 551-562.	5.2	28
14	Water demand forecasting for the optimal operation of large-scale drinking water networks: The Barcelona Case Study.. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 10457-10462.	0.4	24
15	MPC for Sampled-Data Linear Systems: Guaranteeing Constraint Satisfaction in Continuous-Time. IEEE Transactions on Automatic Control, 2014, 59, 1088-1093.	5.7	22
16	Risk-Averse Model Predictive Operation Control of Islanded Microgrids. IEEE Transactions on Control Systems Technology, 2020, 28, 2136-2151.	5.2	20
17	Risk-averse risk-constrained optimal control. , 2019, , .		18
18	Model predictive control for offset-free reference tracking of fractional order systems. Control Engineering Practice, 2018, 71, 26-33.	5.5	17

#	ARTICLE	IF	CITATIONS
19	Jaqpot Quattro: A Novel Computational Web Platform for Modeling and Analysis in Nanoinformatics. Journal of Chemical Information and Modeling, 2017, 57, 2161-2172.	5.4	15
20	Safe Learning-Based Control of Stochastic Jump Linear Systems: a Distributionally Robust Approach. , 2019, , .		15
21	Nonlinear Model Predictive Control for Distributed Motion Planning in Road Intersections Using PANOC. , 2019, , .		14
22	Constrained model predictive control based on reduced-order models. , 2013, , .		10
23	Robust model predictive control for discrete-time fractional-order systems. , 2015, , .		9
24	Distributed solution of stochastic optimal control problems on GPUs. , 2015, , .		7
25	SuperSCS: fast and accurate large-scale conic optimization. , 2019, , .		7
26	Stochastic economic model predictive control for Markovian switching systems * *This work was supported by the EU-funded H2020 research project DISIRE, grant agreement No. 636834. The work of the third author was supported by the KU Leuven Research Council under BOF/STG-15-043.. IFAC-PapersOnLine, 2017, 50, 524-530.	0.9	6
27	An integer programming approach for optimal drug dose computation. Computer Methods and Programs in Biomedicine, 2012, 108, 1022-1035.	4.7	5
28	Robust model predictive control for optimal continuous drug administration. Computer Methods and Programs in Biomedicine, 2014, 116, 193-204.	4.7	5
29	Controlled Drug Administration by a Fractional PID. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 8421-8426.	0.4	5
30	Resilient future energy systems: smart grids, vehicle-to-grid, and microgrids. , 2021, , 571-597.		4
31	Stochastic Model Predictive Control for Constrained Networked Control Systems with Random Time Delay. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 12626-12631.	0.4	3
32	Model Predictive Control for Linear Impulsive Systems. , 2012, , .		3
33	A hybrid model predictive control approach to attitude control with minimum-impulse-bit thrusters. , 2015, , .		2
34	Physiologically Based Pharmacokinetic Modeling and Predictive Control. Computer Aided Chemical Engineering, 2011, , 1490-1494.	0.5	1
35	Data-driven modelling, learning and stochastic predictive control for the steel industry. , 2017, , .		1
36	A primal-dual line search method and applications in image processing. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
37	Proximal Limited-Memory Quasi-Newton Methods for Scenario-based Stochastic Optimal Control * *The work of the second author was supported by the EU-funded H2020 research project DISIRE, grant agreement No. 636834. The work of the fourth author was supported by the KU Leuven Research Council under BOF/STG-15-043.. IFAC-PapersOnLine, 2017, 50, 11865-11870.	0.9	0
38	Decentralised Hierarchical Multi-rate Control of Large-Scale Drinking Water Networks. Lecture Notes in Computer Science, 2016, , 45-56.	1.3	0
39	Optimal operation of microgrids with risk-constrained state of charge. , 2021, , .		0