

Boussad Hamroun

List of Publications by Year in descending order

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112
citing authors

#	ARTICLE	IF	CITATIONS
1	Reduced Order LQG Control Design for Infinite Dimensional Port Hamiltonian Systems. IEEE Transactions on Automatic Control, 2021, 66, 865-871.	5.7	14
2	Robust Control of a Class of Bilinear Systems by Forwarding: Application to Counter Current Heat Exchanger. IFAC-PapersOnLine, 2020, 53, 11515-11520.	0.9	13
3	Reduced order optimal control of infinite dimensional port Hamiltonian systems. , 2019, , .		0
4	Reduced order LQG control design for port Hamiltonian systems. Automatica, 2018, 95, 86-92.	5.0	17
5	Distributed port-Hamiltonian modelling for irreversible processes. Mathematical and Computer Modelling of Dynamical Systems, 2017, 23, 3-22.	2.2	13
6	Reduced order controller design for Timoshenko beam: A port Hamiltonian approach * *The authors gratefully acknowledge the support of the ANR-DFG (French-German) project INFIDHEM with Reference Code ANR-16-CE92-0028. The first author acknowledges the support of the ENSMM BQR project with Reference Code BQR ENSMM NÂ°06.2017. IFAC-PapersOnLine, 2017, 50, 7121-7126.	0.9	4
7	Experimental investigation of the dynamic behavior of a large-scale refrigeration â€“ PCM energy storage system. Validation of a complete model. Energy, 2016, 116, 32-42.	8.8	18
8	Lyapunov based nonlinear control of tubular chemical reactorsâˆ—âˆ—This contribution has been done within the context of the French National Research Agency sponsored projet HAMECMOP-SYS (ANR-11-) Tj ETQq0 0.0 rgBT /@verlock 10		
9	Power preserving model reduction of 2D vibro-acoustic system: A port Hamiltonian approach. IFAC-PapersOnLine, 2015, 48, 206-211.	0.9	7
10	A hybrid transient model for simulation of air-cooled refrigeration systems: Description and experimental validation. International Journal of Refrigeration, 2015, 53, 142-154.	3.4	3
11	Hybrid Modeling of Phase Transition for Evaporators and Condensers in Chillers. Computer Aided Chemical Engineering, 2014, , 943-948.	0.5	0
12	Structure preserving reduction of port hamiltonian system using a modified LQG method. , 2014, , .		1
13	Port Hamiltonian System in Descriptor Form for Balanced Reduction: Application to a Nanotweezer. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 11404-11409.	0.4	7
14	A Lattice Boltzmann Model to Study Sedimentation Phenomena in Irrigation Canals. Communications in Computational Physics, 2013, 13, 880-899.	1.7	3
15	SystÃˆmes hamiltoniens Ã ports de dimension infinie. RÃ©duction et propriÃ©tÃ©s spectrales. Journal Europeen Des Systemes Automatises, 2011, 45, 645-664.	0.4	4
16	Lattice Boltzmann Model for the Simulation of Flows in Open Channels with Application to Flows in a Submerged Sluice Gate. Journal of Irrigation and Drainage Engineering - ASCE, 2010, 136, 809-822.	1.0	4
17	Control by Interconnection and Energy-Shaping Methods of Port Hamiltonian Models. Application to the Shallow Water Equations. European Journal of Control, 2010, 16, 545-563.	2.6	23
18	Passivity based control of a reduced port-controlled hamiltonian model for the shallow water equations. , 2008, , .		2

#	ARTICLE	IF	CITATIONS
19	Port-based modelling and geometric reduction for open channel irrigation systems. , 2007, , .		8