

# Boussad Hamroun

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7571778/publications.pdf>

Version: 2024-02-01

19  
papers

145  
citations

1307594

7  
h-index

1199594

12  
g-index

19  
all docs

19  
docs citations

19  
times ranked

112  
citing authors

#	ARTICLE	IF	CITATIONS
1	Control by Interconnection and Energy-Shaping Methods of Port Hamiltonian Models. Application to the Shallow Water Equations. <i>European Journal of Control</i> , 2010, 16, 545-563.	2.6	23
2	Experimental investigation of the dynamic behavior of a large-scale refrigeration " PCM energy storage system. Validation of a complete model. <i>Energy</i> , 2016, 116, 32-42.	8.8	18
3	Reduced order LQG control design for port Hamiltonian systems. <i>Automatica</i> , 2018, 95, 86-92.	5.0	17
4	Reduced Order LQG Control Design for Infinite Dimensional Port Hamiltonian Systems. <i>IEEE Transactions on Automatic Control</i> , 2021, 66, 865-871.	5.7	14
5	Distributed port-Hamiltonian modelling for irreversible processes. <i>Mathematical and Computer Modelling of Dynamical Systems</i> , 2017, 23, 3-22.	2.2	13
6	Robust Control of a Class of Bilinear Systems by Forwarding: Application to Counter Current Heat Exchanger. <i>IFAC-PapersOnLine</i> , 2020, 53, 11515-11520.	0.9	13
7	Port-based modelling and geometric reduction for open channel irrigation systems. , 2007, , .		8
8	Port Hamiltonian System in Descriptor Form for Balanced Reduction: Application to a Nanotweezer. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2014, 47, 11404-11409.	0.4	7
9	Power preserving model reduction of 2D vibro-acoustic system: A port Hamiltonian approach. <i>IFAC-PapersOnLine</i> , 2015, 48, 206-211.	0.9	7
10	Lattice Boltzmann Model for the Simulation of Flows in Open Channels with Application to Flows in a Submerged Sluice Gate. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2010, 136, 809-822.	1.0	4
11	Lyapunov based nonlinear control of tubular chemical reactors—This contribution has been done within the context of the French National Research Agency sponsored projet HAMECMOP-SYS (ANR-11-) Tj ETQq1 d.0.784314 rgBT /Ov		
12	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. <i>IFAC-PapersOnLine</i> , 2017, 50, 7121-7126.	0.9	4
13	SystÃ¨mes hamiltoniens Ã  ports de dimension infinie. RÃ©duction et propriÃ©tÃ©s spectrales. <i>Journal European Des Systemes Automatises</i> , 2011, 45, 645-664.	0.4	4
14	A Lattice Boltzmann Model to Study Sedimentation Phenomena in Irrigation Canals. <i>Communications in Computational Physics</i> , 2013, 13, 880-899.	1.7	3
15	A hybrid transient model for simulation of air-cooled refrigeration systems: Description and experimental validation. <i>International Journal of Refrigeration</i> , 2015, 53, 142-154.	3.4	3
16	Passivity based control of a reduced port-controlled hamiltonian model for the shallow water equations. , 2008, , .		2
17	Structure preserving reduction of port hamiltonian system using a modified LQG method. , 2014, , .		1
18	Hybrid Modeling of Phase Transition for Evaporators and Condensers in Chillers. <i>Computer Aided Chemical Engineering</i> , 2014, , 943-948.	0.5	0

#	ARTICLE	IF	CITATIONS
19	Reduced order optimal control of infinite dimensional port Hamiltonian systems. , 2019, , .		0