

Wim Casteels

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

709
citations

840776

11
h-index

888059

17
g-index

22
all docs

22
docs citations

22
times ranked

603
citing authors

#	ARTICLE	IF	CITATIONS
1	Probing a Dissipative Phase Transition via Dynamical Optical Hysteresis. <i>Physical Review Letters</i> , 2017, 118, 247402.	7.8	142
2	Exact steady state of a Kerr resonator with one- and two-photon driving and dissipation: Controllable Wigner-function multimodality and dissipative phase transitions. <i>Physical Review A</i> , 2016, 94, .	2.5	110
3	CNN-LSTM architecture for predictive indoor temperature modeling. <i>Building and Environment</i> , 2021, 206, 108327.	6.9	93
4	Exact results for Schrödinger cats in driven-dissipative systems and their feedback control. <i>Scientific Reports</i> , 2016, 6, 26987.	3.3	68
5	Diagrammatic Monte Carlo study of the acoustic and the Bose-Einstein condensate polaron. <i>New Journal of Physics</i> , 2015, 17, 033023.	2.9	66
6	Quantum entanglement in the spatial-symmetry-breaking phase transition of a driven-dissipative Bose-Hubbard dimer. <i>Physical Review A</i> , 2017, 95, .	2.5	59
7	Strong coupling treatment of the polaronic system consisting of an impurity in a condensate. <i>Laser Physics</i> , 2011, 21, 1480-1485.	1.2	43
8	Polaronic Properties of an Ion in a Bose-Einstein Condensate in the Strong-Coupling Limit. <i>Journal of Low Temperature Physics</i> , 2011, 162, 266-273.	1.4	35
9	Gutzwiller Monte Carlo approach for a critical dissipative spin model. <i>Physical Review A</i> , 2018, 97, .	2.5	23
10	Optically bistable driven-dissipative Bose-Hubbard dimer: Gutzwiller approaches and entanglement. <i>Physical Review A</i> , 2017, 95, .	2.5	19
11	Spontaneous Beliaev-Landau scattering out of equilibrium. <i>Physical Review A</i> , 2017, 96, .	2.5	11
12	Ground-state properties of interacting Bose polarons. <i>Physical Review A</i> , 2018, 98, .	2.5	9
13	Towards Detection of Road Weather Conditions using Large-Scale Vehicle Fleets. , 2020, , .		8
14	On the robustness of strongly correlated multi-photon states in frustrated driven-dissipative cavity lattices. <i>European Physical Journal: Special Topics</i> , 2017, 226, 2805-2814.	2.6	5
15	Online reverse engineering of CAN data. <i>Internet of Things (Netherlands)</i> , 2020, 11, 100232.	7.7	5
16	Adaptivity in multi-level traffic simulation using experimental frames. <i>Simulation Modelling Practice and Theory</i> , 2022, 114, 102395.	3.8	4
17	Leveraging Artificial Intelligence and Fleet Sensor Data towards a Higher Resolution Road Weather Model. <i>Sensors</i> , 2022, 22, 2732.	3.8	4
18	Supply temperature control of a heating network with reinforcement learning. , 2021, , .		2

#	ARTICLE	IF	CITATIONS
19	Enhancement of road weather services using vehicle sensor data. , 2022, , .		2
20	Applying Artificial Intelligence for the Detection and Analysis of Weather Phenomena in Vehicle Sensor Data. Lecture Notes in Networks and Systems, 2021, , 311-320.	0.7	1
21	Adaptivity in Distributed Agent-Based Simulation: A Generic Load-Balancing Approach. Lecture Notes in Computer Science, 2021, , 1-12.	1.3	0
22	Towards the Generalization of Distributed Software Communication. Lecture Notes in Networks and Systems, 2021, , 261-270.	0.7	0