

# Pavol Bauer

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

273  
citations

1683354

5  
h-index

1719596

7  
g-index

20  
all docs

20  
docs citations

20  
times ranked

349  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrical modeling of cylindrical dielectric elastomer transducers. <i>Smart Materials and Structures</i> , 2021, 30, 035021.	1.8	5
2	Exposing Inter-process Information for Efficient PDES of Spatial Stochastic Systems on Multicores. <i>ACM Transactions on Modeling and Computer Simulation</i> , 2019, 29, 1-25.	0.6	5
3	Hierarchical network analysis of behavior and neuronal population activity. , 2019, , .		2
4	Exposing Inter-Process Information for Efficient Parallel Discrete Event Simulation of Spatial Stochastic Systems. , 2017, , .		3
5	Data-driven network modelling of disease transmission using complete population movement data: spread of VTEC O157 in Swedish cattle. <i>Veterinary Research</i> , 2016, 47, 81.	1.1	20
6	Fast event-based epidemiological simulations on national scales. <i>International Journal of High Performance Computing Applications</i> , 2016, 30, 438-453.	2.4	19
7	A fast steady-state loss model of a modular multilevel converter for optimization purposes. , 2015, , .		6
8	Optimal power flow in MTDC networks for large offshore wind power plants: Validation of the distributed voltage control strategy. , 2015, , .		1
9	A Modulation Strategy for Wide Voltage Output in DAB-Based DC-DC Modular Multilevel Converter for DEAP Wave Energy Conversion. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2015, 3, 1171-1181.	3.7	39
10	Efficient Inter-Process Synchronization for Parallel Discrete Event Simulation on Multicores. , 2015, , .		10
11	Comparison of system architecture and converter topology for a solar powered electric vehicle charging station. , 2015, , .		52
12	Sensitivity Estimation and Inverse Problems in Spatial Stochastic Models of Chemical Kinetics. <i>Lecture Notes in Computational Science and Engineering</i> , 2015, , 519-527.	0.1	7
13	Multi-terminal network options for the interconnection of offshore wind farms: A case study between Britain and The Netherlands. , 2014, , .		7
14	The effect of converter efficiency on DEAP-based energy conversion: an overview and optimization method. <i>Proceedings of SPIE</i> , 2014, , .	0.8	5
15	Optimization of limiting reactors design for DC fault protection of multi-terminal HVDC networks. , 2014, , .		31
16	Effect of power flow control methods on the DC fault response of multi-terminal DC networks. , 2014, , .		9
17	High range on-line electric vehicles powered by Inductive Power Transfer. , 2014, , .		4
18	Labview remote panels and Web services in solar energy experiment &#x2014; A comparative evaluation. , 2013, , .		7

#	ARTICLE	IF	CITATIONS
19	An inspiring BSc-EE curriculum for science and engineering, , 2012, , .		0