

# Ioana Nascu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6802290/publications.pdf>

Version: 2024-02-01

14  
papers

387  
citations

1163117

8  
h-index

1058476

14  
g-index

14  
all docs

14  
docs citations

14  
times ranked

269  
citing authors

#	ARTICLE	IF	CITATIONS
1	PAROC – An integrated framework and software platform for the optimisation and advanced model-based control of process systems. <i>Chemical Engineering Science</i> , 2015, 136, 115-138.	3.8	125
2	POP – Parametric Optimization Toolbox. <i>Industrial &amp; Engineering Chemistry Research</i> , 2016, 55, 8979-8991.	3.7	82
3	On multi-parametric programming and its applications in process systems engineering. <i>Chemical Engineering Research and Design</i> , 2016, 116, 61-82.	5.6	66
4	Explicit hybrid model predictive control strategies for intravenous anaesthesia. <i>Computers and Chemical Engineering</i> , 2017, 106, 814-825.	3.8	28
5	Improvements in Dissolved Oxygen Control of an Activated Sludge Wastewater Treatment Process. <i>Circuits, Systems, and Signal Processing</i> , 2016, 35, 2259-2281.	2.0	24
6	Modeling, estimation and control of the anaesthesia process. <i>Computers and Chemical Engineering</i> , 2017, 107, 318-332.	3.8	22
7	Simultaneous Multi-Parametric Model Predictive Control and State Estimation with Application to Distillation Column and Intravenous Anaesthesia. <i>Computer Aided Chemical Engineering</i> , 2014, 33, 541-546.	0.5	13
8	An Interval Type-2 Fuzzy Controller Based on Data-Driven Parameters Extraction for Cement Calciner Process. <i>IEEE Access</i> , 2020, 8, 61775-61789.	4.2	8
9	A control strategy for periodic systems – application to the twin-column MCSGP. <i>Computer Aided Chemical Engineering</i> , 2015, 37, 1505-1510.	0.5	6
10	Adaptive Modeling of Fixed-Bed Reactors with Multicycle and Multimode Characteristics Based on Transfer Learning and Just-In-Time Learning. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 6629-6637.	3.7	5
11	A multiparametric model-based optimization and control approach to anaesthesia. <i>Canadian Journal of Chemical Engineering</i> , 2016, 94, 2125-2137.	1.7	3
12	Global Sensitivity Analysis for a perfusion bioreactor system in tissue engineering. <i>IFAC-PapersOnLine</i> , 2021, 54, 550-555.	0.9	2
13	Impedance Spectroscopy Sensing Material Properties for Self-Tuning Ratio Control in Pharmaceutical Industry. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 509.	2.5	2
14	A framework for Simultaneous State Estimation and Robust Hybrid Model Predictive Control in Intravenous Anaesthesia. <i>Computer Aided Chemical Engineering</i> , 2016, 38, 1057-1062.	0.5	1