

# Ioana Nascu

## List of Publications by Year in descending order

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14  
papers

387  
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1163117

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269  
citing authors

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