

# Jan Van Impe

## List of Publications by Year in descending order

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412  
papers

9,461  
citations

50276

46  
h-index

69250

77  
g-index

417  
all docs

417  
docs citations

417  
times ranked

8667  
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessing the Local Biowaste Potential of Rural and Developed Areas Using GIS-Data and Clustering Techniques: Towards a Decision Support Tool. <i>Frontiers in Chemical Engineering</i> , 2022, 4, .	2.7	3
2	Dishonest Signaling in Microbial Conflicts. <i>Frontiers in Microbiology</i> , 2022, 13, 812763.	3.5	2
3	Behavior of the Surviving Population of <i>Listeria monocytogenes</i> and <i>Salmonella Typhimurium</i> Biofilms Following a Direct Helium-Based Cold Atmospheric Plasma Treatment. <i>Frontiers in Microbiology</i> , 2022, 13, 831434.	3.5	0
4	Dynamics of Positive Frequency Dependent Selection Triggers Selection for Silence. <i>Complexity</i> , 2022, 2022, 1-11.	1.6	0
5	Multi-Objective-Based Tuning of Economic Model Predictive Control of Drinking Water Transport Networks. <i>Water (Switzerland)</i> , 2022, 14, 1222.	2.7	3
6	Optimal experiment design for dynamic processes. , 2022, , 243-271.		2
7	Design, Implementation and Simulation of a Small-Scale Biorefinery Model. <i>Processes</i> , 2022, 10, 829.	2.8	5
8	Effects of Temperature and pH on Recombinant Thaumatin II Production by <i>Pichia pastoris</i> . <i>Foods</i> , 2022, 11, 1438.	4.3	7
9	Processing Method for the Quantification of Methanol and Ethanol from Bioreactor Samples Using Gas Chromatographyâ€”Flame Ionization Detection. <i>ACS Omega</i> , 2022, 7, 24121-24133.	3.5	9
10	The impact of food model system structure on the inactivation of <i>Listeria innocua</i> by cold atmospheric plasma and nisin combined treatments. <i>International Journal of Food Microbiology</i> , 2021, 337, 108948.	4.7	20
11	Thermal inactivation of <i>Listeria monocytogenes</i> in the Shaka agitated reciprocal retort: Influence of food matrix rheology and fat content. <i>Food and Bioproducts Processing</i> , 2021, 125, 22-36.	3.6	6
12	Exploiting Trade-Off Criteria to Improve the Efficiency of Genetic Multi-Objective Optimisation Algorithms. <i>Frontiers in Chemical Engineering</i> , 2021, 3, .	2.7	7
13	Effectual Gold Nanoprobe Sensor for Screening Cow Milk Adulteration in Goat Milkâ€”Comparison With Conventional PCR. <i>Journal of Agricultural Science</i> , 2021, 13, 41.	0.2	0
14	Thermophysical Properties of the Fe48Cr15Mo14C15B6Y2 Alloy in Liquid State. <i>Metals</i> , 2021, 11, 823.	2.3	0
15	Numerical Simulation of Particle Dynamics in a Spiral Jet Mill via Coupled CFD-DEM. <i>Pharmaceutics</i> , 2021, 13, 937.	4.5	8
16	A Population Balance Model to Describe the Evolution of Sublethal Injury. <i>Foods</i> , 2021, 10, 1674.	4.3	3
17	Crystal Growth Kinetics of an Industrial Active Pharmaceutical Ingredient: Implications of Different Representations of Supersaturation and Simultaneous Growth Mechanisms. <i>Crystal Growth and Design</i> , 2021, 21, 5403-5420.	3.0	19
18	Quantitative methods to predict the effect of climate change on microbial food safety: A needs analysis. <i>Trends in Food Science and Technology</i> , 2021, , .	15.1	3

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19	Photocatalytic inactivation of dual- and mono-species biofilms by immobilized TiO <sub>2</sub> . Journal of Photochemistry and Photobiology B: Biology, 2021, 221, 112253.	3.8	5
20	Improved extraction and purification of the hydrophobin HFBI. Biotechnology Journal, 2021, 16, e2100245.	3.5	5
21	The Inclusion of the Food Microstructural Influence in Predictive Microbiology: State-of-the-Art. Foods, 2021, 10, 2119.	4.3	8
22	Challenges of pairing chocolates and nuts: Perceptions, interactions and dynamics of contrasting chocolates with nuts. Food Research International, 2021, 148, 110620.	6.2	3
23	The (potential) impact of seasonality and climate change on the physicochemical and microbial properties of dairy waste and its management. Trends in Food Science and Technology, 2021, 116, 1-10.	15.1	25
24	Analysis of the Major Probiotics in Healthy Women's Breast Milk by Realtime PCR. Factors Affecting the Presence of Those Bacteria. Applied Sciences (Switzerland), 2021, 11, 9400.	2.5	2
25	Metabolic Reaction Network-Based Model Predictive Control of Bioprocesses. Applied Sciences (Switzerland), 2021, 11, 9532.	2.5	3
26	The effect of ultrasound treatment in combination with nisin on the inactivation of <i>Listeria innocua</i> and <i>Escherichia coli</i> . Ultrasonics Sonochemistry, 2021, 79, 105776.	8.2	20
27	An Accurate Method for Studying Individual Microbial Lag: Experiments and Computations. Frontiers in Microbiology, 2021, 12, 725499.	3.5	4
28	Design of a Low-Power Radio Frequency Unit and Its Application for Bacterial Inactivation under Laboratory Conditions. Applied Sciences (Switzerland), 2021, 11, 11117.	2.5	3
29	Dynamic Optimisation of Beer Fermentation under Parametric Uncertainty. Fermentation, 2021, 7, 285.	3.0	5
30	Characterization of Bacterial Microbiota of P.D.O. Feta Cheese by 16S Metagenomic Analysis. Microorganisms, 2021, 9, 2377.	3.6	12
31	A Game Theoretic Analysis of the Dual Function of Antibiotics. Frontiers in Microbiology, 2021, 12, 812788.	3.5	2
32	Effect of sugar concentration (°Brix) and storage temperature on the time to visible growth of individual ascospores of six heat-resistant moulds isolated from fruit products. Food Control, 2020, 108, 106880.	5.5	6
33	Isolating the effect of fat content on <i>Listeria monocytogenes</i> growth dynamics in fish-based emulsion and gelled emulsion systems. Food Control, 2020, 108, 106874.	5.5	9
34	A multi-scale analysis of the effect of complex viscoelastic models on <i>Listeria</i> dynamics and adaptation in co-culture systems. AIChE Journal, 2020, 66, e16761.	3.6	8
35	Effect of storage temperature, water activity, oxygen headspace concentration and pasteurization intensity on the time to growth of <i>Aspergillus fischerianus</i> (teleomorph <i>Neosartorya fischeri</i> ). Food Microbiology, 2020, 88, 103406.	4.2	3
36	A Reproducible Method for Growing Biofilms on Polystyrene Surfaces: Biomass and Bacterial Viability Evolution of <i>Pseudomonas fluorescens</i> and <i>Staphylococcus epidermidis</i> . Applied Sciences (Switzerland), 2020, 10, 4544.	2.5	3

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37	The potential of violet, blue, green and red light for the inactivation of <i>P. fluorescens</i> as planktonic cells, individual cells on a surface and biofilms. <i>Food and Bioproducts Processing</i> , 2020, 124, 184-195.	3.6	6
38	Assessment of the parameter identifiability of population balance models for air jet mills. <i>Computers and Chemical Engineering</i> , 2020, 143, 107056.	3.8	8
39	Perspectives from CO+RE: How COVID-19 changed our food systems and food security paradigms. <i>Current Research in Food Science</i> , 2020, 3, 166-172.	5.8	134
40	Influence of Plasma Characteristics on the Inactivation Mechanism of Cold Atmospheric Plasma (CAP) for <i>Listeria monocytogenes</i> and <i>Salmonella Typhimurium</i> Biofilms. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3198.	2.5	6
41	Optimal experiment design under parametric uncertainty: A comparison of a sensitivities based approach versus a polynomial chaos based stochastic approach. <i>Chemical Engineering Science</i> , 2020, 221, 115651.	3.8	15
42	Quantitative microbial spoilage risk assessment (QMSRA) of pasteurized strawberry purees by <i>Aspergillus fischeri</i> (teleomorph <i>Neosartorya fischeri</i> ). <i>International Journal of Food Microbiology</i> , 2020, 333, 108781.	4.7	10
43	Modeling Biowaste Biorefineries: A Review. <i>Frontiers in Sustainable Food Systems</i> , 2020, 4, .	3.9	43
44	Inactivation of <i>L. monocytogenes</i> and <i>S. typhimurium</i> Biofilms by Means of an Air-Based Cold Atmospheric Plasma (CAP) System. <i>Foods</i> , 2020, 9, 157.	4.3	13
45	Visible Light as an Antimicrobial Strategy for Inactivation of <i>Pseudomonas fluorescens</i> and <i>Staphylococcus epidermidis</i> Biofilms. <i>Antibiotics</i> , 2020, 9, 171.	3.7	21
46	Trade-off-based multi-objective optimisation of a simultaneous saccharification and fermentation process. <i>IFAC-PapersOnLine</i> , 2020, 53, 16884-16889.	0.9	1
47	Multi-block tensor regression for quality prediction and root cause analysis in the production of active pharmaceutical ingredients. <i>IFAC-PapersOnLine</i> , 2020, 53, 11722-11728.	0.9	0
48	A novel high speed multi-objective evolutionary optimisation algorithm. <i>IFAC-PapersOnLine</i> , 2020, 53, 6756-6761.	0.9	0
49	Microbial Inactivation Models for Thermal Processes. <i>Food Engineering Series</i> , 2020, , 399-420.	0.7	2
50	Extremum Seeking Control of a Three-Stage Anaerobic Digestion Model. <i>IFAC-PapersOnLine</i> , 2020, 53, 16773-16778.	0.9	2
51	Evaluation of a Real Time PCR Assay Method for the Detection of Genetically Modified Organisms in Food Products. <i>Journal of Food Research</i> , 2020, 9, 1.	0.3	1
52	Interactive Multi-objective Dynamic Optimization of Bioreactors under Parametric Uncertainty. <i>Chemie-Ingenieur-Technik</i> , 2019, 91, 349-362.	0.8	14
53	Combined effect of cold atmospheric plasma, intrinsic and extrinsic factors on the microbial behavior in/on (food) model systems during storage. <i>Innovative Food Science and Emerging Technologies</i> , 2019, 53, 3-17.	5.6	16
54	Sublethal Injury Caused to <i>Listeria monocytogenes</i> by Natural Plant Extracts: Case Study on Grape Seed Extract and Garlic Extract. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2731.	2.5	5

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55	Effect of microstructure and initial cell conditions on thermal inactivation kinetics and sublethal injury of <i>Listeria monocytogenes</i> in fish-based food model systems. <i>Food Microbiology</i> , 2019, 84, 103267.	4.2	20
56	Inactivation of Single Strains of <i>Listeria monocytogenes</i> and <i>Salmonella Typhimurium</i> Planktonic Cells Biofilms With Plasma Activated Liquids. <i>Frontiers in Microbiology</i> , 2019, 10, 1539.	3.5	41
57	On the implementation of generalized polynomial chaos in dynamic optimization under stochastic uncertainty: a user perspective. <i>Computer Aided Chemical Engineering</i> , 2019, 46, 541-546.	0.5	0
58	Multi-objective optimisation of chemical processes via improved genetic algorithms: A novel trade-off and termination criterion. <i>Computer Aided Chemical Engineering</i> , 2019, , 613-618.	0.5	7
59	Global Sensitivity Analysis of a Spray Drying Process. <i>Processes</i> , 2019, 7, 562.	2.8	7
60	Dual-Species Model Biofilm Consisting of <i>Listeria monocytogenes</i> and <i>Salmonella Typhimurium</i> : Development and Inactivation With Cold Atmospheric Plasma (CAP). <i>Frontiers in Microbiology</i> , 2019, 10, 2524.	3.5	25
61	Comparison of numerical solution strategies for population balance model of continuous cone mill. <i>Powder Technology</i> , 2019, 345, 739-749.	4.2	4
62	Influence of plasma characteristics on the efficacy of Cold Atmospheric Plasma (CAP) for inactivation of <i>Listeria monocytogenes</i> and <i>Salmonella Typhimurium</i> biofilms. <i>Innovative Food Science and Emerging Technologies</i> , 2019, 52, 376-386.	5.6	38
63	Assessment of minimum oxygen concentrations for the growth of heat-resistant moulds. <i>Food Microbiology</i> , 2019, 84, 103243.	4.2	5
64	Food Microstructure and Fat Content Affect Growth Morphology, Growth Kinetics, and Preferred Phase for Cell Growth of <i>Listeria monocytogenes</i> in Fish-Based Model Systems. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	3.1	19
65	A rapid HPLC method for the determination of lactoferrin in milk of various species. <i>Journal of Dairy Research</i> , 2019, 86, 238-241.	1.4	17
66	Bioproduction of the Recombinant Sweet Protein Thaumatin: Current State of the Art and Perspectives. <i>Frontiers in Microbiology</i> , 2019, 10, 695.	3.5	47
67	Mathematical Modeling and Dynamic Analysis of Complex Biological Systems. <i>Complexity</i> , 2019, 2019, 1-2.	1.6	0
68	Combined Effect of Cold Atmospheric Plasma and Hydrogen Peroxide Treatment on Mature <i>Listeria monocytogenes</i> and <i>Salmonella Typhimurium</i> Biofilms. <i>Frontiers in Microbiology</i> , 2019, 10, 2674.	3.5	25
69	Extraction and spray drying of Class II hydrophobin HFBI produced by <i>Trichoderma reesei</i> . <i>Process Biochemistry</i> , 2019, 77, 159-163.	3.7	5
70	Quantitative tools for sustainable food and energy in the food chain. <i>Food Research International</i> , 2019, 115, 126-127.	6.2	3
71	Identification of novel genes involved in high hydrostatic pressure resistance of <i>Escherichia coli</i> . <i>Food Microbiology</i> , 2019, 78, 171-178.	4.2	18
72	The Complex Effect of Food Matrix Fat Content on Thermal Inactivation of <i>Listeria monocytogenes</i> : Case Study in Emulsion and Gelled Emulsion Model Systems. <i>Frontiers in Microbiology</i> , 2019, 10, 3149.	3.5	17

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73	Evaluation of a Real Time PCR Assay and a ELISA Method for the Detection of Walnuts and Almonds Allergen Traces in Food Products. <i>Journal of Food Research</i> , 2019, 8, 71.	0.3	2
74	Next Generation Sequencing (NGS) for the Determination of Fish Flesh Microbiota. <i>Journal of Food Research</i> , 2019, 8, 101.	0.3	7
75	Milk Adulteration: Detection of Bovine Milk in Caprine Dairy Products by Real Time PCR. <i>Journal of Food Research</i> , 2019, 8, 52.	0.3	8
76	State of the art of nonthermal and thermal processing for inactivation of micro-organisms. <i>Journal of Applied Microbiology</i> , 2018, 125, 16-35.	3.1	98
77	Development of fish-based model systems with various microstructures. <i>Food Research International</i> , 2018, 106, 1069-1076.	6.2	13
78	Mechanistic modelling of the inhibitory effect of pH on microbial growth. <i>Food Microbiology</i> , 2018, 72, 214-219.	4.2	18
79	Isolation and screening of bacterial isolates from wastewater treatment plants to decolorize azo dyes. <i>Journal of Bioscience and Bioengineering</i> , 2018, 125, 448-456.	2.2	93
80	Improving microbiological safety and quality characteristics of wheat and barley by high voltage atmospheric cold plasma closed processing. <i>Food Research International</i> , 2018, 106, 509-521.	6.2	104
81	Inter- and intra-species variability in heat resistance and the effect of heat treatment intensity on subsequent growth of <i>Byssochlamys fulva</i> and <i>Byssochlamys nivea</i> . <i>International Journal of Food Microbiology</i> , 2018, 279, 80-87.	4.7	13
82	Antimicrobial efficacy of cold atmospheric plasma for different intrinsic and extrinsic parameters. <i>Plasma Processes and Polymers</i> , 2018, 15, 1700048.	3.0	37
83	An interaction model for the combined effect of temperature, pH and water activity on the growth rate of <i>E. coli</i> K12. <i>Food Research International</i> , 2018, 106, 1123-1131.	6.2	12
84	Advance warning for loss of separation in an industrial distillation column. <i>Quality and Reliability Engineering International</i> , 2018, 34, 116-135.	2.3	2
85	Parameter estimations in predictive microbiology: Statistically sound modelling of the microbial growth rate. <i>Food Research International</i> , 2018, 106, 1105-1113.	6.2	11
86	Finding the optimal time resolution for batch-end quality prediction: MRQP – A framework for multi-resolution quality prediction. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2018, 172, 150-158.	3.5	20
87	A process simulator interface for multiobjective optimization of chemical processes. <i>Computers and Chemical Engineering</i> , 2018, 109, 119-137.	3.8	16
88	Resistance of <i>L. monocytogenes</i> and <i>S. Typhimurium</i> towards Cold Atmospheric Plasma as Function of Biofilm Age. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 2702.	2.5	24
89	An Analysis of Uncertainty Propagation Methods Applied to Breakage Population Balance. <i>Processes</i> , 2018, 6, 255.	2.8	8
90	Uncertainty in optimal experiment design: comparing an online versus offline approaches. <i>IFAC-PapersOnLine</i> , 2018, 51, 771-776.	0.9	10

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91	Feature extraction for batch process monitoring and fault detection via simultaneous data scaling and training of tensor based models. IFAC-PapersOnLine, 2018, 51, 433-440.	0.9	8
92	Pomodoro: A Novel Toolkit for Dynamic (MultiObjective) Optimization, and Model Based Control and Estimation – All the authors are with KU Leuven - Department of Chemical Engineering, BioTeC & OPTeC, Gebroeders de Smetstraat 1, B-9000, Ghent, Belgium.. IFAC-PapersOnLine, 2018, 51, 719-724.	0.9	9
93	A Methodology for the Design of RTC Strategies for Combined Sewer Networks. Water (Switzerland), 2018, 10, 1675.	2.7	21
94	The Silent Cooperator: An Epigenetic Model for Emergence of Altruistic Traits in Biological Systems. Complexity, 2018, 2018, 1-16.	1.6	2
95	A low-complexity metabolic network model for the respiratory and fermentative metabolism of Escherichia coli. PLoS ONE, 2018, 13, e0202565.	2.5	4
96	Effect of food microstructure on growth dynamics of Listeria monocytogenes in fish-based model systems. International Journal of Food Microbiology, 2018, 283, 7-13.	4.7	22
97	A tutorial on uncertainty propagation techniques for predictive microbiology models: A critical analysis of state-of-the-art techniques. International Journal of Food Microbiology, 2018, 282, 1-8.	4.7	22
98	Modelling the microbial dynamics and antimicrobial resistance development of Listeria in viscoelastic food model systems of various structural complexities. International Journal of Food Microbiology, 2018, 286, 15-30.	4.7	18
99	Influence of incubation conditions on the formation of model biofilms by <i>Listeria monocytogenes</i> and <i>Salmonella</i> Typhimurium on abiotic surfaces. Journal of Applied Microbiology, 2018, 125, 1890-1900.	3.1	30
100	Occurrence, distribution and contamination levels of heat-resistant moulds throughout the processing of pasteurized high-acid fruit products. International Journal of Food Microbiology, 2018, 281, 72-81.	4.7	45
101	Including experimental uncertainty on the independent variables when modelling microbial dynamics: The combined effect of pH and acetic acid on the growth rate of E. coli K12. Journal of Microbiological Methods, 2018, 149, 20-28.	1.6	3
102	Comparing design of experiments and optimal experimental design techniques for modelling the microbial growth rate under static environmental conditions. Food Microbiology, 2018, 76, 504-512.	4.2	6
103	Modeling the effect of pH, water activity, and ethanol concentration on biofilm formation of Staphylococcus aureus. Food Microbiology, 2018, 76, 287-295.	4.2	31
104	Energy optimization of the urban drainage system by integrated real-time control during wet and dry weather conditions. Urban Water Journal, 2018, 15, 362-370.	2.1	13
105	Introducing a novel interaction model structure for the combined effect of temperature and pH on the microbial growth rate. International Journal of Food Microbiology, 2017, 240, 85-96.	4.7	23
106	Stevia-based sweeteners as a promising alternative to table sugar: The effect on Listeria monocytogenes and Salmonella Typhimurium growth dynamics. International Journal of Food Microbiology, 2017, 245, 38-52.	4.7	5
107	Identifiability of large-scale non-linear dynamic network models applied to the ADM1-case study. Mathematical Biosciences, 2017, 288, 21-34.	1.9	8
108	Semi-automated buildup and calibration of conceptual sewer models. Environmental Modelling and Software, 2017, 93, 344-355.	4.5	13



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109	Effect of chyme viscosity and nutrient feedback mechanism on gastric emptying. <i>Chemical Engineering Science</i> , 2017, 171, 318-330.	3.8	32
110	Application of a dynamic metabolic flux algorithm during a temperature-induced lag phase. <i>Food and Bioproducts Processing</i> , 2017, 102, 1-19.	3.6	3
111	Treatment of fresh produce water effluents by non-thermal technologies. <i>Journal of Food Engineering</i> , 2017, 199, 77-81.	5.2	12
112	A study of integrated experiment design for NMPC applied to the Droop model. <i>Chemical Engineering Science</i> , 2017, 160, 370-383.	3.8	18
113	Decontamination of alfalfa and mung bean sprouts by ultrasound and aqueous chlorine dioxide. <i>LWT - Food Science and Technology</i> , 2017, 78, 90-96.	5.2	41
114	A Distributed Optimization Algorithm for Stochastic Optimal Control. <i>IFAC-PapersOnLine</i> , 2017, 50, 11263-11268.	0.9	6
115	Multi-objective optimization of a plug flow reactor using a divide and conquer approach. <i>IFAC-PapersOnLine</i> , 2017, 50, 8722-8727.	0.9	5
116	A novel algorithm for fast representation of a Pareto front with adaptive resolution: Application to multi-objective optimization of a chemical reactor. <i>Computers and Chemical Engineering</i> , 2017, 106, 544-558.	3.8	21
117	Decolorization of reactive azo dyes using a sequential chemical and activated sludge treatment. <i>Journal of Bioscience and Bioengineering</i> , 2017, 124, 668-673.	2.2	46
118	Self-Reflective Model Predictive Control. <i>SIAM Journal on Control and Optimization</i> , 2017, 55, 2959-2980.	2.1	9
119	Investigating practical aspects of the exergy based multi-objective optimization of chemical processes. <i>Computer Aided Chemical Engineering</i> , 2017, , 2173-2178.	0.5	2
120	Salmonella Typhimurium and Staphylococcus aureus dynamics in/on variable (micro)structures of fish-based model systems at suboptimal temperatures. <i>International Journal of Food Microbiology</i> , 2017, 240, 32-39.	4.7	18
121	Effect of tagatose on growth dynamics of Salmonella Typhimurium and Listeria monocytogenes in media with different levels of structural complexity and in UHT skimmed milk. <i>Food Control</i> , 2017, 73, 31-42.	5.5	12
122	Dynamics of Listeria monocytogenes at suboptimal temperatures in/on fish-protein based model systems: Effect of (micro)structure and microbial distribution. <i>Food Control</i> , 2017, 73, 43-50.	5.5	15
123	Assessing the composition of microbial communities in textile wastewater treatment plants in comparison with municipal wastewater treatment plants. <i>MicrobiologyOpen</i> , 2017, 6, e00413.	3.0	45
124	A sampling-based stochastic optimal experiment design formulation with application to the Williams-Otto reactor. <i>IFAC-PapersOnLine</i> , 2017, 50, 8716-8721.	0.9	0
125	Towards quality by design in pharmaceutical manufacturing: modelling and control of air jet mills. <i>EPJ Web of Conferences</i> , 2017, 140, 07003.	0.3	1
126	Simulation of Escherichia coli Dynamics in Biofilms and Submerged Colonies with an Individual-Based Model Including Metabolic Network Information. <i>Frontiers in Microbiology</i> , 2017, 8, 2509.	3.5	15



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127	Detection of Peanut Allergen Traces with a Real Time PCR Assay - The Challenge to Protect Food-Allergic Consumers. <i>Journal of Food Research</i> , 2017, 7, 32.	0.3	2
128	Robust multi-objective optimal control of dynamic biological networks. <i>Computer Aided Chemical Engineering</i> , 2016, 38, 433-438.	0.5	2
129	SolACE: An Open Source Package for Nonlinear Model Predictive Control and State Estimation for (Bio)Chemical Processes. <i>Computer Aided Chemical Engineering</i> , 2016, , 1971-1976.	0.5	4
130	Extending Process Monitoring to Simultaneous False Alarm Rejection and Fault Identification (FARFI). <i>Lecture Notes in Computer Science</i> , 2016, , 334-348.	1.3	3
131	Optimal experimental design for discriminating between microbial growth models as function of suboptimal temperature: From in silico to in vivo. <i>Food Research International</i> , 2016, 89, 689-700.	6.2	8
132	Influence of food intrinsic factors on the inactivation efficacy of cold atmospheric plasma: Impact of osmotic stress, suboptimal pH and food structure. <i>Innovative Food Science and Emerging Technologies</i> , 2016, 38, 393-406.	5.6	27
133	Parametric uncertainty propagation for robust dynamic optimization of biological networks. , 2016, , .		3
134	Time-Optimal Control and Parameter Estimation of Diafiltration Processes in the Presence of Membrane Fouling. <i>IFAC-PapersOnLine</i> , 2016, 49, 242-247.	0.9	5
135	Multi-purpose economic optimal experiment design applied to model based optimal control. <i>Computers and Chemical Engineering</i> , 2016, 94, 212-220.	3.8	3
136	Towards nonlinear model predictive control with integrated experiment design. , 2016, , .		1
137	Dynamic optimization of biological networks under parametric uncertainty. <i>BMC Systems Biology</i> , 2016, 10, 86.	3.0	42
138	Online moving horizon estimation of fluxes in metabolic reaction networks. <i>Journal of Process Control</i> , 2016, 37, 1-20.	3.3	8
139	Influence of food intrinsic complexity on <i>Listeria monocytogenes</i> growth in/on vacuum-packed model systems at suboptimal temperatures. <i>International Journal of Food Microbiology</i> , 2016, 235, 17-27.	4.7	29
140	Determination of the efficacy of ultrasound combined with essential oils on the decontamination of <i>Salmonella</i> inoculated lettuce leaves. <i>LWT - Food Science and Technology</i> , 2016, 73, 80-87.	5.2	57
141	A comprehensive physico-chemical characterization of superhydrophilic loose nanofiltration membranes. <i>Journal of Membrane Science</i> , 2016, 501, 1-14.	8.2	93
142	On the effect of sampling rate and experimental noise in the discrimination between microbial growth models in the suboptimal temperature range. <i>Computers and Chemical Engineering</i> , 2016, 85, 84-93.	3.8	6
143	Robust multi-objective dynamic optimization of chemical processes using the Sigma Point method. <i>Chemical Engineering Science</i> , 2016, 140, 201-216.	3.8	40
144	MODELLING BIOLOGICAL VARIATION IN THE SKIN BACKGROUND COLOUR OF 'JONAGOLD' APPLES DURING CONTROLLED ATMOSPHERE STORAGE. <i>Acta Horticulturae</i> , 2015, , 303-310.	0.2	0

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145	Structural identifiability analysis of the Anaerobic Digestion Model No. 1 using a local algebraic observability approach. IFAC-PapersOnLine, 2015, 48, 470-475.	0.9	2
146	Fault Identification in Batch Processes Using Process Data or Contribution Plots: A Comparative Study—Work supported in part by Project PFV/10/002 (OPTEC Optimization in Engineering Center) of the Research Council of the KU Leuven, Project KP/09/005 (SCORES4CHEM) of the Industrial Research Council of the KU Leuven, and the Belgian Program on Interuniversity Poles of Attraction initiated by the Belgian Federal Science Policy Office. The authors assume scientific responsibility.. IFAC-PapersOnLine, 2015, 48, 1282-1287.	0.9	1
147	Exploring the Effect of Ultrafiltration/Diafiltration Processing Conditions on the Lactoferrin and Immunoglobulin G Content of Feta Whey Protein Concentrates. Journal of Food Process Engineering, 2015, 38, 363-373.	2.9	8
148	Reformulating the Minimum Eigenvalue Maximization in Optimal Experiment Design of Nonlinear Dynamic Biosystems. Computer Aided Chemical Engineering, 2015, , 449-454.	0.5	0
149	An interactive decision-support system for multi-objective optimization of nonlinear dynamic processes with uncertainty. Expert Systems With Applications, 2015, 42, 7710-7731.	7.6	45
150	Parameter Identification of the Droop Model using Optimal Experiment Design. IFAC-PapersOnLine, 2015, 48, 586-591.	0.9	7
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