

# Johan Springael

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8027850/publications.pdf>

Version: 2024-02-01

44  
papers

1,715  
citations

430442

18  
h-index

276539

41  
g-index

47  
all docs

47  
docs citations

47  
times ranked

1414  
citing authors

#	ARTICLE	IF	CITATIONS
1	An integrated techno-sustainability assessment (TSA) framework for emerging technologies. <i>Green Chemistry</i> , 2021, 23, 1700-1715.	4.6	23
2	Win-win possibilities through capacity tariffs and battery storage in microgrids. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 113, 109238.	8.2	3
3	A model to simulate the overall ageing score impact of temperature and time on the sensorial quality of lager. <i>Journal of the Institute of Brewing</i> , 2019, 125, 364-373.	0.8	6
4	Decomposition approaches for the design and scheduling of multiproduct multistage batch plants with parallel lines. <i>Computers and Chemical Engineering</i> , 2019, 127, 111-126.	2.0	6
5	Sustainability indicators for biobased chemicals: A Delphi study using Multi-Criteria Decision Analysis. <i>Resources, Conservation and Recycling</i> , 2019, 144, 198-208.	5.3	25
6	A matheuristic approach for the design of multiproduct batch plants with parallel production lines. <i>European Journal of Operational Research</i> , 2019, 273, 933-947.	3.5	7
7	The interaction effect between vibrations and temperature simulating truck transport on the flavor stability of beer. <i>Journal of the Science of Food and Agriculture</i> , 2019, 99, 2165-2174.	1.7	14
8	Measurement and analysis of vibration and shock levels for truck transport in Belgium with respect to packaged beer during transit. <i>Food Packaging and Shelf Life</i> , 2018, 15, 134-143.	3.3	17
9	Vibration and shock analysis of specific events during truck and train transport of food products. <i>Food Packaging and Shelf Life</i> , 2018, 15, 95-104.	3.3	18
10	Reducing postharvest losses of apples: Optimal transport routing (while minimizing total costs). <i>Computers and Electronics in Agriculture</i> , 2018, 146, 136-144.	3.7	22
11	Tackling the complexity of designing multiproduct multistage batch plants with parallel lines: the application of a cooperative optimization approach. <i>Computer Aided Chemical Engineering</i> , 2018, 43, 979-984.	0.3	0
12	A large neighbourhood metaheuristic for the risk-constrained cash-in-transit vehicle routing problem. <i>Computers and Operations Research</i> , 2017, 78, 547-556.	2.4	29
13	A biobjective decision model to increase security and reduce travel costs in the cash-in-transit sector. <i>International Transactions in Operational Research</i> , 2017, 24, 59-76.	1.8	17
14	Design of a chemical batch plant with parallel production lines: Plant configuration and cost effectiveness. <i>Computers and Chemical Engineering</i> , 2017, 99, 21-30.	2.0	8
15	The performance of beer packaging: Vibration damping and thermal insulation. <i>Food Packaging and Shelf Life</i> , 2017, 11, 91-97.	3.3	29
16	Design of a chemical batch plant: a study of dedicated parallel lines with intermediate storage and the plant performance. <i>Computer Aided Chemical Engineering</i> , 2016, , 739-744.	0.3	0
17	MISTRAL: A game-theoretical model to allocate security measures in a multi-modal chemical transportation network with adaptive adversaries. <i>Reliability Engineering and System Safety</i> , 2015, 138, 105-114.	5.1	46
18	The k-dissimilar vehicle routing problem. <i>European Journal of Operational Research</i> , 2015, 244, 129-140.	3.5	43

#	ARTICLE	IF	CITATIONS
19	Metaheuristics for the risk-constrained cash-in-transit vehicle routing problem. <i>European Journal of Operational Research</i> , 2015, 244, 457-470.	3.5	50
20	Intelligent Systems in Managerial Decision Making. <i>Intelligent Systems Reference Library</i> , 2015, , 377-403.	1.0	1
21	Extended Peer Evaluation of an Analytical Deliberative Decision Support Procedure in Environmental Health Practice. <i>European Journal of Risk Regulation</i> , 2014, 5, 25-35.	0.8	3
22	Progressive Multi-Objective Optimization. <i>International Journal of Information Technology and Decision Making</i> , 2014, 13, 917-936.	2.3	4
23	A metaheuristic for the school bus routing problem with bus stop selection. <i>European Journal of Operational Research</i> , 2013, 229, 518-528.	3.5	128
24	Negotiated Complexity: Framing Multi-Criteria Decision Support in Environmental Health Practice. <i>American Journal of Operations Research</i> , 2013, 03, 153-166.	0.2	5
25	Opening the research agenda for selection of hot spots for human biomonitoring research in Belgium: a participatory research project. <i>Environmental Health</i> , 2010, 9, 33.	1.7	16
26	Policy interpretation of human biomonitoring research results in Belgium: priorities and complexity, politics and science. <i>Environmental Policy and Governance</i> , 2009, 19, 115-129.	2.1	15
27	Soliton Equations and Simple Combinatorics. <i>Acta Applicandae Mathematicae</i> , 2008, 102, 147-178.	0.5	125
28	Simulation with system dynamics and fuzzy reasoning of a tax policy to reduce CO2 emissions in the residential sector. <i>European Journal of Operational Research</i> , 2008, 185, 1285-1299.	3.5	56
29	An Elementary Approach to Hierarchies of Soliton Equations. <i>Journal of the Physical Society of Japan</i> , 2007, 76, 054005.	0.7	3
30	A Fuzzy Methodology for Evaluating a Market of Tradable CO <sub>2</sub> -Permits. , 2005, , 149-173.		0
31	PROMETHEE and AHP: The design of operational synergies in multicriteria analysis.. <i>European Journal of Operational Research</i> , 2004, 153, 307-317.	3.5	617
32	The zero-emission certificates: A novel CO <sub>2</sub> -pollution reduction instrument applied to the electricity market. <i>European Journal of Operational Research</i> , 2004, 153, 386-399.	3.5	24
33	A Bäcklund transformation and nonlinear superposition formula for the Lotka-Volterra hierarchy. <i>ANZIAM Journal</i> , 2002, 44, 121-128.	0.3	11
34	Simulation d'un Marché De Certificats Verts Pour La Promotion De l'Énergie Éolienne En Belgique. <i>Infor</i> , 2002, 40, 241-258.	0.5	4
35	Towards statistical multicriteria decision modelling: a first approach. <i>Journal of Multi-Criteria Decision Analysis</i> , 2002, 11, 305-313.	1.0	5
36	On the Hirota Representation of Soliton Equations with One Tau-Function. <i>Journal of the Physical Society of Japan</i> , 2001, 70, 605-608.	0.7	14

#	ARTICLE	IF	CITATIONS
37	Binary Bell polynomials and Darboux covariant Lax pairs. Glasgow Mathematical Journal, 2001, 43, 53-63.	0.2	10
38	On a direct procedure for the disclosure of Lax pairs and Bäcklund transformations. Chaos, Solitons and Fractals, 2001, 12, 2821-2832.	2.5	73
39	Classical Darboux transformations and the KP hierarchy. Inverse Problems, 2001, 17, 1067-1074.	1.0	73
40	Construction of Bäcklund Transformations with Binary Bell Polynomials. Journal of the Physical Society of Japan, 1997, 66, 2211-2213.	0.7	41
41	On modified NLS, Kaup and NLBq equations: differential transformations and bilinearization. Journal of Physics A, 1997, 30, 8705-8717.	1.6	11
42	Bilinear Characterization of Higher Order Ito-Equations. Journal of the Physical Society of Japan, 1996, 65, 1222-1226.	0.7	7
43	Bilinearization of the non-local Boussinesq equation. Journal of Physics A, 1995, 28, 5963-5972.	1.6	12
44	On a direct bilinearization method: Kaup's higher-order water wave equation as a modified nonlocal Boussinesq equation. Journal of Physics A, 1994, 27, 5325-5334.	1.6	88