

Sujit Jogwar

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

433
citations

933447

10
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752698

20
g-index

38
all docs

38
docs citations

38
times ranked

284
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal operation of heat exchanger networks through energy flow redistribution. <i>AIChE Journal</i> , 2022, 68, .	3.6	3
2	Optimal Operation of Heat Exchanger Networks. <i>IFAC-PapersOnLine</i> , 2022, 55, 375-380.	0.9	0
3	Optimal Operation of Vapor-recompressed Batch Distillation Column under Total Reflux. <i>IFAC-PapersOnLine</i> , 2022, 55, 363-368.	0.9	0
4	Distributed model predictive control of integrated process networks: Optimal decomposition for varying operating point. , 2021, , .		3
5	Optimal operation and tracking control of vaporâ€recompressed batch distillation. <i>AIChE Journal</i> , 2020, 66, e17049.	3.6	2
6	Special Issue on â€œDesign and Control of Sustainable Processesâ€• <i>Processes</i> , 2020, 8, 1046.	2.8	0
7	Distributed control architecture synthesis for integrated process networks through maximization of strength of inputâ€output impact. <i>Journal of Process Control</i> , 2019, 83, 77-87.	3.3	11
8	Scheduling of Energy-Integrated Batch Process Systems Using a Pattern-Based Framework. <i>Processes</i> , 2019, 7, 103.	2.8	3
9	Robustness Analysis of Heat-Integrated Batch Process Networks. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 217-227.	3.7	3
10	Design of mixed energyâ€integrated batch process networks by Pseudoâ€direct approach. <i>AIChE Journal</i> , 2018, 64, 55-67.	3.6	4
11	Decomposing complex plants for distributed control: Perspectives from network theory. <i>Computers and Chemical Engineering</i> , 2018, 114, 43-51.	3.8	36
12	Model-based Control of Vapor-recompressed Batch Distillation Column. <i>IFAC-PapersOnLine</i> , 2018, 51, 554-559.	0.9	3
13	Community-based synthesis of distributed control architectures for integrated process networks. <i>Chemical Engineering Science</i> , 2017, 172, 434-443.	3.8	44
14	A Pattern-based Method for Scheduling of Energy-integrated Batch Process Networks**Partial financial support for this work by the Government of India Department of Science and Technology (DST) INSPIRE & SERB-SB/S3/CE/090/2013 grant is gratefully acknowledged.. <i>IFAC-PapersOnLine</i> , 2016, 49, 669-674.	0.9	2
15	A Novel Algorithm for Design of Mixed Energy-integrated Batch Process Networks**Partial financial support for this work by the Government of India Department of Science and Technology (DST) INSPIRE & SERB-SB/S3/CE/090/2013 grant is gratefully acknowledged.. <i>IFAC-PapersOnLine</i> , 2016, 49, 67-72.	0.9	5
16	Sustainability and process control: A survey and perspective. <i>Journal of Process Control</i> , 2016, 44, 184-206.	3.3	64
17	Model-based Control of an Energy-integrated Batch Reactor â€” Feed Effluent Heat Exchanger System in a Campaign Mode**Partial financial support for this work by the Government of India Department of Science and Technology (DST) INSPIRE & SERB-SB/S3/CE/090/2013 grant is gratefully acknowledged.. <i>IFAC-PapersOnLine</i> , 2015, 48, 209-214.	0.9	1
18	Dynamic Characteristics of Energy-Integrated Batch Process Systems: Insights from Two Case Studies. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 4326-4336.	3.7	6

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19	Reduction of complex energy-integrated process networks using graph theory. Computers and Chemical Engineering, 2015, 79, 46-58.	3.8	11
20	Optimal Operation of an Energy Integrated Batch Reactor - Feed Effluent Heat Exchanger System—Partial financial support for this work by the National Science Foundation, grant CBET-1133167 and the Government of India Department of Science and Technology (DST) INSPIRE & SERB-SB/S3/CE/090/2013 grant is gratefully acknowledged.. IFAC-PapersOnLine, 2015, 48, 1192-1197.	0.9	3
21	Network-level Dynamics in Energy-integrated Batch Process Systems. Computer Aided Chemical Engineering, 2014, 34, 777-782.	0.5	0
22	Graph reduction of complex energy-integrated networks: Process systems applications. AIChE Journal, 2014, 60, 995-1012.	3.6	14
23	Graph-theoretic Analysis of Complex Energy Integrated Networks*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 117-122.	0.4	0
24	Graph reduction for hierarchical control of energy integrated process networks. , 2012, , .		4
25	Networks with large solvent recycle: Dynamics, hierarchical control, and a biorefinery application. AIChE Journal, 2012, 58, 1764-1777.	3.6	11
26	Multi-time Scale Dynamics in Energy-integrated Networks: A Graph Theoretic Analysis. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 6085-6090.	0.4	5
27	Design and control of energy integrated SOFC systems for in situ hydrogen production and power generation. Computers and Chemical Engineering, 2011, 35, 1691-1704.	3.8	46
28	Dynamics and control of high duty counter-current heat exchangers. , 2011, , .		8
29	Impact of steam reformer on the design and control of an energy integrated solid oxide fuel cell system. , 2011, , .		2
30	Control of an energy integrated solid oxide fuel cell system. , 2011, , .		6
31	Tight energy integration: Dynamic impact and control advantages. Computers and Chemical Engineering, 2010, 34, 1457-1466.	3.8	24
32	Dynamics and control of energy integrated distillation column networks. , 2010, , .		0
33	Energy Flow Patterns and Control Implications for Integrated Distillation Networks. Industrial & Engineering Chemistry Research, 2010, 49, 8048-8061.	3.7	13
34	Vapor recompression distillation: Multi-scale dynamics and control. , 2009, , .		1
35	Dynamics and control of vapor recompression distillation. Journal of Process Control, 2009, 19, 1737-1750.	3.3	26
36	Dynamics and Control of Process Networks with Large Energy Recycle. Industrial & Engineering Chemistry Research, 2009, 48, 6087-6097.	3.7	63

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37	Multi-scale dynamics in counter-current heat exchangers. , 2009, , .		3
38	Dynamics and control of reactor - feed effluent heat exchanger networks. , 2008, , .		3