

Jakob Lykke Andersen

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

259
citations

1163117

8
h-index

996975

15
g-index

19
all docs

19
docs citations

19
times ranked

194
citing authors

#	ARTICLE	IF	CITATIONS
1	Maximizing output and recognizing autocatalysis in chemical reaction networks is NP-complete. <i>Journal of Systems Chemistry</i> , 2012, 3, .	1.7	39
2	Navigating the Chemical Space of HCN Polymerization and Hydrolysis: Guiding Graph Grammars by Mass Spectrometry Data. <i>Entropy</i> , 2013, 15, 4066-4083.	2.2	38
3	A Software Package for Chemically Inspired Graph Transformation. <i>Lecture Notes in Computer Science</i> , 2016, , 73-88.	1.3	31
4	Chemical Transformation Motifs—Modelling Pathways as Integer Hyperflows. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2019, 16, 510-523.	3.0	31
5	Inferring chemical reaction patterns using rule composition in graph grammars. <i>Journal of Systems Chemistry</i> , 2013, 4, .	1.7	28
6	Generic strategies for chemical space exploration. <i>International Journal of Computational Biology and Drug Design</i> , 2014, 7, 225.	0.3	26
7	An intermediate level of abstraction for computational systems chemistry. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2017, 375, 20160354.	3.4	13
8	<i>In silico</i> Support for Eschenmoser's Glyoxylate Scenario. <i>Israel Journal of Chemistry</i> , 2015, 55, 919-933.	2.3	10
9	50 Shades of Rule Composition. <i>Lecture Notes in Computer Science</i> , 2014, , 117-135.	1.3	9
10	An open source computational workflow for the discovery of autocatalytic networks in abiotic reactions. <i>Chemical Science</i> , 2022, 13, 4838-4853.	7.4	8
11	Chemical Graph Transformation with Stereo-Information. <i>Lecture Notes in Computer Science</i> , 2017, , 54-69.	1.3	7
12	Graph transformation for enzymatic mechanisms. <i>Bioinformatics</i> , 2021, 37, i392-i400.	4.1	5
13	Rewriting theory for the life sciences: A unifying theory of CTMC semantics. <i>Theoretical Computer Science</i> , 2021, 884, 68-115.	0.9	5
14	Exploring Plant Sesquiterpene Diversity by Generating Chemical Networks. <i>Processes</i> , 2019, 7, 240.	2.8	4
15	Combining Graph Transformations and Semigroups for Isotopic Labeling Design. <i>Journal of Computational Biology</i> , 2020, 27, 269-287.	1.6	2
16	A Generic Framework for Engineering Graph Canonization Algorithms. , 2018, , 139-153.		1
17	Graph Transformations, Semigroups, and Isotopic Labeling. <i>Lecture Notes in Computer Science</i> , 2019, , 196-207.	1.3	1
18	A Generic Framework for Engineering Graph Canonization Algorithms. <i>Journal of Experimental Algorithmics</i> , 2020, 25, 1-26.	1.0	1

#	ARTICLE	IF	CITATIONS
19	Computational Simulations for Cyclizations Catalyzed by Plant Monoterpene Synthases. Lecture Notes in Computer Science, 2020, , 247-258.	1.3	0