

Barry Demchak

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

2,240
citations

567281

15
h-index

642732

23
g-index

25
all docs

25
docs citations

25
times ranked

3663
citing authors

#	ARTICLE	IF	CITATIONS
1	Cytoscape Automation: empowering workflow-based network analysis. <i>Genome Biology</i> , 2019, 20, 185.	8.8	888
2	DDOT: A Swiss Army Knife for Investigating Data-Driven Biological Ontologies. <i>Cell Systems</i> , 2019, 8, 267-273.e3.	6.2	22
3	RCy3: Network biology using Cytoscape from within R. <i>F1000Research</i> , 2019, 8, 1774.	1.6	39
4	RCy3: Network biology using Cytoscape from within R. <i>F1000Research</i> , 2019, 8, 1774.	1.6	80
5	Using deep learning to model the hierarchical structure and function of a cell. <i>Nature Methods</i> , 2018, 15, 290-298.	19.0	292
6	Theory and Application of Network Biology Toward Precision Medicine. <i>Journal of Molecular Biology</i> , 2018, 430, 2873-2874.	4.2	6
7	Copycat Layout: Network layout alignment via Cytoscape Automation. <i>F1000Research</i> , 2018, 7, 822.	1.6	3
8	Copycat Layout: Network layout alignment via Cytoscape Automation. <i>F1000Research</i> , 2018, 7, 822.	1.6	1
9	aMatReader: Importing adjacency matrices via Cytoscape Automation. <i>F1000Research</i> , 2018, 7, 823.	1.6	5
10	The Cytoscape Automation app article collection. <i>F1000Research</i> , 2018, 7, 800.	1.6	17
11	aMatReader: Importing adjacency matrices via Cytoscape Automation. <i>F1000Research</i> , 2018, 7, 823.	1.6	6
12	Active Interaction Mapping Reveals the Hierarchical Organization of Autophagy. <i>Molecular Cell</i> , 2017, 65, 761-774.e5.	9.7	31
13	NDEx 2.0: A Clearinghouse for Research on Cancer Pathways. <i>Cancer Research</i> , 2017, 77, e58-e61.	0.9	63
14	Network propagation in the cytoscape cyberinfrastructure. <i>PLoS Computational Biology</i> , 2017, 13, e1005598.	3.2	73
15	Integrative genomic analysis by interoperation of bioinformatics tools in GenomeSpace. <i>Nature Methods</i> , 2016, 13, 245-247.	19.0	44
16	dot-app: a Graphviz-Cytoscape conversion plug-in. <i>F1000Research</i> , 2016, 5, 2543.	1.6	2
17	dot-app: a Graphviz-Cytoscape conversion plug-in. <i>F1000Research</i> , 2016, 5, 2543.	1.6	2
18	NDEx, the Network Data Exchange. <i>Cell Systems</i> , 2015, 1, 302-305.	6.2	247

#	ARTICLE	IF	CITATIONS
19	cyNeo4j: connecting Neo4j and Cytoscape. <i>Bioinformatics</i> , 2015, 31, 3868-3869.	4.1	22
20	CyREST: Turbocharging Cytoscape Access for External Tools via a RESTful API. <i>F1000Research</i> , 2015, 4, 478.	1.6	81
21	Cytoscape: the network visualization tool for GenomeSpace workflows. <i>F1000Research</i> , 2014, 3, 151.	1.6	157
22	Cytoscape tools for the web age: D3.js and Cytoscape.js exporters. <i>F1000Research</i> , 2014, 3, 143.	1.6	44
23	The Cytoscape app article collection. <i>F1000Research</i> , 2014, 3, 138.	1.6	10
24	RCy3: Network biology using Cytoscape from within R. <i>F1000Research</i> , 0, 8, 1774.	1.6	101