Barry Demchak

List of Publications by Year
in descending order

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. Genome Biology, 2019, 20, 185.	8.8	888
2	Using deep learning to model the hierarchical structure and function of a cell. Nature Methods, 2018, 15, 290-298.	19.0	292
3	NDEx, the Network Data Exchange. Cell Systems, 2015, 1, 302-305.	6.2	247
4	Cytoscape: the network visualization tool for GenomeSpace workflows. F1000Research, 2014, 3, 151.	1.6	157
5	RCy3: Network biology using Cytoscape from within R. F1000Research, 0, 8, 1774.	1.6	101
6	CyREST: Turbocharging Cytoscape Access for External Tools via a RESTful API. F1000Research, 2015, 4, 478.	1.6	81
7	RCy3: Network biology using Cytoscape from within R. F1000Research, 2019, 8, 1774.	1.6	80
8	Network propagation in the cytoscape cyberinfrastructure. PLoS Computational Biology, 2017, 13, e1005598.	3.2	73
9	NDEx 2.0: A Clearinghouse for Research on Cancer Pathways. Cancer Research, 2017, 77, e58-e61.	0.9	63
10	Integrative genomic analysis by interoperation of bioinformatics tools in GenomeSpace. Nature Methods, 2016, 13, 245-247.	19.0	44
11	Cytoscape tools for the web age: D3.js and Cytoscape.js exporters. F1000Research, 2014, 3, 143.	1.6	44
12	RCy3: Network biology using Cytoscape from within R. F1000Research, 2019, 8, 1774.	1.6	39
13	Active Interaction Mapping Reveals the Hierarchical Organization of Autophagy. Molecular Cell, 2017, 65, 761-774.e5.	9.7	31
14	cyNeo4j: connecting Neo4j and Cytoscape. Bioinformatics, 2015, 31, 3868-3869.	4.1	22
15	DDOT: A Swiss Army Knife for Investigating Data-Driven Biological Ontologies. Cell Systems, 2019, 8, 267-273.e3.	6.2	22
16	The Cytoscape Automation app article collection. F1000Research, 2018, 7, 800.	1.6	17
17	The Cytoscape app article collection. F1000Research, 2014, 3, 138.	1.6	10
18	Theory and Application of Network Biology Toward Precision Medicine. Journal of Molecular Biology, 2018, 430, 2873-2874.	4.2	6

#	Article	IF	Citations
19	aMatReader: Importing adjacency matrices via Cytoscape Automation. F1000Research, 2018, 7, 823.	1.6	6
20	aMatReader: Importing adjacency matrices via Cytoscape Automation. F1000Research, 2018, 7, 823.	1.6	5
21	Copycat Layout: Network layout alignment via Cytoscape Automation. F1000Research, 2018, 7, 822.	1.6	3
22	dot-app: a Graphviz-Cytoscape conversion plug-in. F1000Research, 2016, 5, 2543.	1.6	2
23	dot-app: a Graphviz-Cytoscape conversion plug-in. F1000Research, 2016, 5, 2543.	1.6	2
24	Copycat Layout: Network layout alignment via Cytoscape Automation. F1000Research, 2018, 7, 822.	1.6	1