

David J O connell

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

33
papers

1,000
citations

17
h-index

31
g-index

35
ext. papers

1,172
ext. citations

7.8
avg, IF

3.72
L-index

#	Paper	IF	Citations
33	Polycomb PHF19 binds H3K36me3 and recruits PRC2 and demethylase NO66 to embryonic stem cell genes during differentiation. <i>Nature Structural and Molecular Biology</i> , 2012 , 19, 1273-81	17.6	182
32	Phage versus phagemid libraries for generation of human monoclonal antibodies. <i>Journal of Molecular Biology</i> , 2002 , 321, 49-56	6.5	106
31	CHD5 is required for neurogenesis and has a dual role in facilitating gene expression and polycomb gene repression. <i>Developmental Cell</i> , 2013 , 26, 223-36	10.2	76
30	Transferrin coated nanoparticles: study of the bionano interface in human plasma. <i>PLoS ONE</i> , 2012 , 7, e40685	3.7	74
29	Calmodulin binding to the polybasic C-termini of STIM proteins involved in store-operated calcium entry. <i>Biochemistry</i> , 2008 , 47, 6089-91	3.2	61
28	Vascular ligand-receptor mapping by direct combinatorial selection in cancer patients. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 18637-42	11.5	60
27	Complement Component C3 Is Highly Expressed in Human Pancreatic Islets and Prevents β Cell Death via ATG16L1 Interaction and Autophagy Regulation. <i>Cell Metabolism</i> , 2019 , 29, 202-210.e6	24.6	55
26	CX3CL1 is up-regulated in the rat hippocampus during memory-associated synaptic plasticity. <i>Frontiers in Cellular Neuroscience</i> , 2014 , 8, 233	6.1	49
25	Integrated protein array screening and high throughput validation of 70 novel neural calmodulin-binding proteins. <i>Molecular and Cellular Proteomics</i> , 2010 , 9, 1118-32	7.6	40
24	Sorcin links calcium signaling to vesicle trafficking, regulates Polo-like kinase 1 and is necessary for mitosis. <i>PLoS ONE</i> , 2014 , 9, e85438	3.7	32
23	Direct High Affinity Interaction between A β 2 and GSK3 β Stimulates Hyperphosphorylation of Tau. A New Molecular Link in Alzheimer's Disease?. <i>ACS Chemical Neuroscience</i> , 2016 , 7, 161-70	5.7	30
22	Identification of a high-affinity network of secretagogin-binding proteins involved in vesicle secretion. <i>Molecular BioSystems</i> , 2011 , 7, 2196-204		29
21	Creation of recombinant antigen-binding molecules derived from hybridomas secreting specific antibodies. <i>Nature Protocols</i> , 2013 , 8, 1125-48	18.8	27
20	A chromatin-independent role of Polycomb-like 1 to stabilize p53 and promote cellular quiescence. <i>Genes and Development</i> , 2015 , 29, 2231-43	12.6	25
19	A Microfluidic Platform for Real-Time Detection and Quantification of Protein-Ligand Interactions. <i>Biophysical Journal</i> , 2016 , 110, 1957-66	2.9	22
18	The MAS proto-oncogene is imprinted in human breast tissue. <i>Genomics</i> , 1997 , 46, 509-12	4.3	21
17	COTI-2 reactivates mutant p53 and inhibits growth of triple-negative breast cancer cells. <i>Breast Cancer Research and Treatment</i> , 2020 , 179, 47-56	4.4	18

16	Epitope presentation is an important determinant of the utility of antigens identified from protein arrays in the development of autoantibody diagnostic assays. <i>Journal of Proteomics</i> , 2012 , 75, 4668-75	3.9	17
15	Ligand-directed targeting of lymphatic vessels uncovers mechanistic insights in melanoma metastasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 2521-6	11.5	13
14	Proteomic analysis and discovery using affinity proteomics and mass spectrometry. <i>Molecular and Cellular Proteomics</i> , 2011 , 10, M110.003962	7.6	12
13	Virtual screening using combinatorial cyclic peptide libraries reveals protein interfaces readily targetable by cyclic peptides. <i>Journal of Chemical Information and Modeling</i> , 2015 , 55, 600-13	6.1	9
12	Probing calmodulin protein-protein interactions using high-content protein arrays. <i>Methods in Molecular Biology</i> , 2011 , 785, 289-303	1.4	8
11	Simplifying G Protein-Coupled Receptor Isolation with a Calcium-Dependent Fragment Complementation Affinity System. <i>Biochemistry</i> , 2018 , 57, 4383-4390	3.2	6
10	Calcium-dependent interaction of calmodulin with human 80S ribosomes and polyribosomes. <i>Biochemistry</i> , 2012 , 51, 6718-27	3.2	6
9	Protein networks involved in vesicle fusion, transport, and storage revealed by array-based proteomics. <i>Methods in Molecular Biology</i> , 2011 , 781, 47-58	1.4	6
8	Calcium Binding and Disulfide Bonds Regulate the Stability of Secretagogin towards Thermal and Urea Denaturation. <i>PLoS ONE</i> , 2016 , 11, e0165709	3.7	6
7	Identification of Helix 4 (H4) of Rab11a as a novel Rab11-binding domain (RBD): Interaction of Rab11a with the Prostacyclin Receptor. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2017 , 1864, 1819-1832	4.9	3
6	Computational and experimental analysis of bioactive peptide linear motifs in the integrin adhesome. <i>PLoS ONE</i> , 2019 , 14, e0210337	3.7	2
5	Resolving the Interactome of the Human Macrophage Immunometabolism Regulator (MACIR) with Enhanced Membrane Protein Preparation and Affinity Proteomics. <i>Proteomics</i> , 2020 , 20, e2000062	4.8	2
4	Single Step Purification of Glycogen Synthase Kinase Isoforms from Small Scale Transient Expression in HEK293 Cells with a Calcium-Dependent Fragment Complementation System. <i>Methods in Molecular Biology</i> , 2020 , 2095, 385-396	1.4	2
3	An aggregation inhibitor specific to oligomeric intermediates of A β 2 derived from phage display libraries of stable, small proteins.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119, e2121966119	11.5	1
2	Nuances in the entrepreneurship training tool box. <i>Nature Biotechnology</i> , 2015 , 33, 133-4	44.5	
1	Conversion of mammalian cell culture media waste to microbial fermentation feed efficiently supports production of recombinant protein by Escherichia coli.. <i>PLoS ONE</i> , 2022 , 17, e0266921	3.7	