

# David J O connell

## List of Publications by Year in Descending Order

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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	Conversion of mammalian cell culture media waste to microbial fermentation feed efficiently supports production of recombinant protein by Escherichia coli.. <i>PLoS ONE</i> , <b>2022</b> , 17, e0266921	3.7	
32	An aggregation inhibitor specific to oligomeric intermediates of A $\beta$ 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> , <b>2022</b> , 119, e2121966119	11.5	1
31	Resolving the Interactome of the Human Macrophage Immunometabolism Regulator (MACIR) with Enhanced Membrane Protein Preparation and Affinity Proteomics. <i>Proteomics</i> , <b>2020</b> , 20, e2000062	4.8	2
30	COTI-2 reactivates mutant p53 and inhibits growth of triple-negative breast cancer cells. <i>Breast Cancer Research and Treatment</i> , <b>2020</b> , 179, 47-56	4.4	18
29	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> , <b>2020</b> , 2095, 385-396	1.4	2
28	Computational and experimental analysis of bioactive peptide linear motifs in the integrin adhesome. <i>PLoS ONE</i> , <b>2019</b> , 14, e0210337	3.7	2
27	Complement Component C3 Is Highly Expressed in Human Pancreatic Islets and Prevents $\beta$ Cell Death via ATG16L1 Interaction and Autophagy Regulation. <i>Cell Metabolism</i> , <b>2019</b> , 29, 202-210.e6	24.6	55
26	Simplifying G Protein-Coupled Receptor Isolation with a Calcium-Dependent Fragment Complementation Affinity System. <i>Biochemistry</i> , <b>2018</b> , 57, 4383-4390	3.2	6
25	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> , <b>2017</b> , 1864, 1819-1832	4.9	3
24	Direct High Affinity Interaction between A $\beta$ 2 and GSK3 $\beta$ Stimulates Hyperphosphorylation of Tau. A New Molecular Link in Alzheimer's Disease?. <i>ACS Chemical Neuroscience</i> , <b>2016</b> , 7, 161-70	5.7	30
23	Calcium Binding and Disulfide Bonds Regulate the Stability of Secretagogen towards Thermal and Urea Denaturation. <i>PLoS ONE</i> , <b>2016</b> , 11, e0165709	3.7	6
22	A Microfluidic Platform for Real-Time Detection and Quantification of Protein-Ligand Interactions. <i>Biophysical Journal</i> , <b>2016</b> , 110, 1957-66	2.9	22
21	A chromatin-independent role of Polycomb-like 1 to stabilize p53 and promote cellular quiescence. <i>Genes and Development</i> , <b>2015</b> , 29, 2231-43	12.6	25
20	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> , <b>2015</b> , 112, 2521-6	11.5	13
19	Nuances in the entrepreneurship training tool box. <i>Nature Biotechnology</i> , <b>2015</b> , 33, 133-4	44.5	
18	Virtual screening using combinatorial cyclic peptide libraries reveals protein interfaces readily targetable by cyclic peptides. <i>Journal of Chemical Information and Modeling</i> , <b>2015</b> , 55, 600-13	6.1	9
17	Sorcin links calcium signaling to vesicle trafficking, regulates Polo-like kinase 1 and is necessary for mitosis. <i>PLoS ONE</i> , <b>2014</b> , 9, e85438	3.7	32

16	CX3CL1 is up-regulated in the rat hippocampus during memory-associated synaptic plasticity. <i>Frontiers in Cellular Neuroscience</i> , <b>2014</b> , 8, 233	6.1	49
15	CHD5 is required for neurogenesis and has a dual role in facilitating gene expression and polycomb gene repression. <i>Developmental Cell</i> , <b>2013</b> , 26, 223-36	10.2	76
14	Creation of recombinant antigen-binding molecules derived from hybridomas secreting specific antibodies. <i>Nature Protocols</i> , <b>2013</b> , 8, 1125-48	18.8	27
13	Calcium-dependent interaction of calmodulin with human 80S ribosomes and polyribosomes. <i>Biochemistry</i> , <b>2012</b> , 51, 6718-27	3.2	6
12	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> , <b>2012</b> , 75, 4668-75	3.9	17
11	Polycomb PHF19 binds H3K36me3 and recruits PRC2 and demethylase NO66 to embryonic stem cell genes during differentiation. <i>Nature Structural and Molecular Biology</i> , <b>2012</b> , 19, 1273-81	17.6	182
10	Transferrin coated nanoparticles: study of the bionano interface in human plasma. <i>PLoS ONE</i> , <b>2012</b> , 7, e40685	3.7	74
9	Probing calmodulin protein-protein interactions using high-content protein arrays. <i>Methods in Molecular Biology</i> , <b>2011</b> , 785, 289-303	1.4	8
8	Identification of a high-affinity network of secretagogin-binding proteins involved in vesicle secretion. <i>Molecular BioSystems</i> , <b>2011</b> , 7, 2196-204		29
7	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> , <b>2011</b> , 108, 18637-42	11.5	60
6	Proteomic analysis and discovery using affinity proteomics and mass spectrometry. <i>Molecular and Cellular Proteomics</i> , <b>2011</b> , 10, M110.003962	7.6	12
5	Protein networks involved in vesicle fusion, transport, and storage revealed by array-based proteomics. <i>Methods in Molecular Biology</i> , <b>2011</b> , 781, 47-58	1.4	6
4	Integrated protein array screening and high throughput validation of 70 novel neural calmodulin-binding proteins. <i>Molecular and Cellular Proteomics</i> , <b>2010</b> , 9, 1118-32	7.6	40
3	Calmodulin binding to the polybasic C-termini of STIM proteins involved in store-operated calcium entry. <i>Biochemistry</i> , <b>2008</b> , 47, 6089-91	3.2	61
2	Phage versus phagemid libraries for generation of human monoclonal antibodies. <i>Journal of Molecular Biology</i> , <b>2002</b> , 321, 49-56	6.5	106
1	The MAS proto-oncogene is imprinted in human breast tissue. <i>Genomics</i> , <b>1997</b> , 46, 509-12	4.3	21