

Daniel Branton

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/11314431/daniel-branton-publications-by-year.pdf>
Version: 2024-04-11

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

69 papers	12,040 citations	38 h-index	72 g-index
72 ext. papers	12,902 ext. citations	16.3 avg, IF	5.96 L-index

#	Paper	IF	Citations
69	Fracture faces of frozen membranes: 50th anniversary. <i>Molecular Biology of the Cell</i> , 2016 , 27, 421-3	3.5	
68	Three decades of nanopore sequencing. <i>Nature Biotechnology</i> , 2016 , 34, 518-24	44.5	487
67	Author response to John Kasianowicz and Sergey Bezrukov. <i>Nature Biotechnology</i> , 2016 , 34, 482	44.5	1
66	Molecule-hugging graphene nanopores. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 12192-6	11.5	206
65	Nanopatterning on nonplanar and fragile substrates with ice resists. <i>Nano Letters</i> , 2012 , 12, 1018-21	11.5	29
64	An ice lithography instrument. <i>Review of Scientific Instruments</i> , 2011 , 82, 065110	1.7	8
63	Ice lithography for nanodevices. <i>Nano Letters</i> , 2010 , 10, 5056-9	11.5	27
62	The potential and challenges of nanopore sequencing 2009 , 261-268		16
61	The potential and challenges of nanopore sequencing. <i>Nature Biotechnology</i> , 2008 , 26, 1146-53	44.5	1881
60	DNA conformation and base number simultaneously determined in a nanopore. <i>Electrophoresis</i> , 2007 , 28, 3186-92	3.6	82
59	Eddies in a bottleneck: an arbitrary Debye length theory for capillary electroosmosis. <i>Journal of Colloid and Interface Science</i> , 2006 , 297, 832-9	9.3	33
58	Nanometer patterning with ice. <i>Nano Letters</i> , 2005 , 5, 1157-60	11.5	41
57	DNA heterogeneity and phosphorylation unveiled by single-molecule electrophoresis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 13472-7	11.5	50
56	PROBING SINGLE DNA MOLECULE TRANSPORT USING FABRICATED NANOPORES. <i>Nano Letters</i> , 2004 , 4, 2293-2298	11.5	300
55	Atomic Layer Deposition to Fine-Tune the Surface Properties and Diameters of Fabricated Nanopores. <i>Nano Letters</i> , 2004 , 4, 1333-1337	11.5	352
54	Unzipping kinetics of double-stranded DNA in a nanopore. <i>Physical Review Letters</i> , 2003 , 90, 238101	7.4	247
53	Single molecule measurements of DNA transport through a nanopore. <i>Electrophoresis</i> , 2002 , 23, 2583-91	3.6	305

52	Characterization of nucleic acids by nanopore analysis. <i>Accounts of Chemical Research</i> , 2002 , 35, 817-25	24.3	403
51	Using Nanopores to Discriminate between Single Molecules of DNA 2002 , 177-185		5
50	Single molecule measurements of DNA transport through a nanopore 2002 , 23, 2583		4
49	Ion-beam sculpting at nanometre length scales. <i>Nature</i> , 2001 , 412, 166-9	50.4	1333
48	Voltage-driven DNA translocations through a nanopore. <i>Physical Review Letters</i> , 2001 , 86, 3435-8	7.4	742
47	Microsecond time-scale discrimination among polycytidylic acid, polyadenylic acid, and polyuridylic acid as homopolymers or as segments within single RNA molecules. <i>Biophysical Journal</i> , 1999 , 77, 3227-33	3.9	807
46	Spectrin: on the path from structure to function. <i>Current Opinion in Cell Biology</i> , 1996 , 8, 49-55	9	66
45	Solution structure of the pleckstrin homology domain of Drosophila beta-spectrin. <i>Structure</i> , 1995 , 3, 1185-95	5.2	60
44	Abolition of actin-bundling by phosphorylation of human erythrocyte protein 4.9. <i>Nature</i> , 1988 , 334, 718-21	50.4	86
43	An antibody against 100- to 116-kDa polypeptides in coated vesicles inhibits triskelion binding. <i>Experimental Cell Research</i> , 1988 , 174, 511-20	4.2	4
42	Purification of erythrocyte band 4.1 and other cytoskeletal components using hydroxyapatite-Ultrogel. <i>Analytical Biochemistry</i> , 1986 , 155, 206-11	3.1	8
41	Protein kinase C of human erythrocytes phosphorylates bands 4.1 and 4.9. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1986 , 887, 142-9	4.9	25
40	Some lessons from the erythrocyte. <i>Cell Motility</i> , 1983 , 3, 363-6		
39	Fusion of coated vesicles with lysosomes: measurement with a fluorescence assay. <i>Cell</i> , 1983 , 32, 921-9	56.2	102
38	Triskelions: the building blocks of clathrin coats. <i>Trends in Biochemical Sciences</i> , 1982 , 7, 358-361	10.3	17
37	Mapping functional sites on biological macromolecules. <i>Ultramicroscopy</i> , 1982 , 8, 185-90	3.1	6
36	Molecular Associations of the Erythrocyte Cytoskeleton 1982 , 409-413		
35	The normal and abnormal red cell cytoskeleton: a renewed search for molecular defects. <i>Trends in Biochemical Sciences</i> , 1981 , 6, 266-268	10.3	19

34	The binding of clathrin triskelions to membranes from coated vesicles. <i>Cell</i> , 1981 , 26, 439-46	56.2	156
33	Assembly units of clathrin coats. <i>Nature</i> , 1981 , 289, 420-2	50.4	362
32	The effect of endogenous proteases on the spectrin binding proteins of human erythrocytes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1980 , 598, 517-27	3.8	65
31	Rotary shadowing of extended molecules dried from glycerol. <i>Journal of Ultrastructure Research</i> , 1980 , 71, 95-102		402
30	Plant Vacuoles 1980 , 625-658		9
29	Molecular Interactions Governing Plasma Membrane Structure 1980 , 3-7		1
28	The role of spectrin in erythrocyte membrane-stimulated actin polymerisation. <i>Nature</i> , 1979 , 279, 163-5	50.4	69
27	The molecular structure of human erythrocyte spectrin. Biophysical and electron microscopic studies. <i>Journal of Molecular Biology</i> , 1979 , 131, 303-29	6.5	504
26	The shape of spectrin molecules from human erythrocyte membranes. <i>Biochimica Et Biophysica Acta (BBA) - Protein Structure</i> , 1978 , 536, 313-7		38
25	Spectrin binding and the control of membrane protein mobility. <i>Journal of Supramolecular Structure</i> , 1978 , 8, 455-63		30
24	Actin-membrane interactions: association of G-actin with the red cell membrane. <i>Journal of Supramolecular Structure</i> , 1978 , 9, 113-24		31
23	Interpreting the results of freeze-etching. <i>Journal of Microscopy</i> , 1977 , 111, 117-24	1.9	15
22	Lateral mobility of human erythrocyte integral membrane proteins. <i>Nature</i> , 1977 , 268, 23-6	50.4	137
21	Intramembrane particle aggregation in erythrocyte ghosts. II. The influence of spectrin aggregation. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1976 , 426, 101-22	3.8	252
20	Isolation of Vacuoles from Root Storage Tissue of Beta vulgaris L. <i>Plant Physiology</i> , 1976 , 58, 656-62	6.6	145
19	Intramembrane particle aggregation in erythrocyte ghosts. I. The effects of protein removal. <i>Journal of Cell Biology</i> , 1974 , 63, 1018-36	7.3	306
18	Lipid- and temperature-dependent structural changes in Acholeplasma laidlawii cell membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1973 , 323, 378-90	3.8	113
17	Membrane Structure 1972 , 1-70		7

16	Membrane intercalated particles: the plasma membrane as a planar fluid domain. <i>Chemistry and Physics of Lipids</i> , 1972 , 8, 265-78	3.7	49
15	Composition, structure and phase transition in yeast fatty acid auxotroph membranes: spin labels and freeze-fracture. <i>Journal of Supramolecular Structure</i> , 1972 , 1, 38-49		27
14	The correlation between the saturation of membrane fatty acids and the presence of membrane fracture faces after osmium fixation. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1971 , 233, 504-12	3.8	33
13	The correlation between the saturation of membrane fatty acids and the presence of membrane fracture faces after osmium fixation. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1971 , 223, 504-512	3.8	
12	Localization of A antigen sites on human erythrocyte ghosts. <i>Nature</i> , 1971 , 232, 194-6	50.4	196
11	Freeze-etch observations of rat lung. <i>The Anatomical Record</i> , 1971 , 170, 471-83		19
10	Gas vacuoles. Light shielding in blue-green algae. <i>Journal of Cell Biology</i> , 1971 , 48, 212-5	7.3	25
9	Membrane splitting in freeze-etching. Covalently bound ferritin as a membrane marker. <i>Journal of Cell Biology</i> , 1970 , 45, 598-605	7.3	522
8	Lamellar and hexagonal lipid phases visualized by freeze-etching. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1970 , 219, 47-60	3.8	236
7	Changes in the plasma membrane of Escherichia coli during magnesium starvation. <i>Journal of Bacteriology</i> , 1969 , 98, 1320-7	3.5	74
6	Fracture faces in frozen outer segments from the guinea pig retina. <i>Cell and Tissue Research</i> , 1968 , 91, 586-603	4.2	120
5	STRUCTURE OF THE PHOTOSYNTHETIC APPARATUS 1968 , 197-224		5
4	Subunits in chloroplast lamellae. <i>Journal of Ultrastructure Research</i> , 1967 , 19, 283-303		163
3	Dry, high resolution autoradiography. <i>Biotechnic & Histochemistry</i> , 1962 , 37, 239-42		28
2	Iron Transport in Pea Plants. <i>Plant Physiology</i> , 1962 , 37, 539-45	6.6	43
1	Iron Localization in Pea Plants. <i>Plant Physiology</i> , 1962 , 37, 546-51	6.6	34