

# Frances M Brodsky

## List of Publications by Year in descending order

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Version: 2024-02-01

50  
papers

3,060  
citations

236925

25  
h-index

197818

49  
g-index

58  
all docs

58  
docs citations

58  
times ranked

3176  
citing authors

#	ARTICLE	IF	CITATIONS
1	Trafficking regulator of GLUT4-1 (TRARG1) is a GSK3 substrate. <i>Biochemical Journal</i> , 2022, 479, 1237-1256.	3.7	11
2	Antagonistic regulation controls clathrin-mediated endocytosis: AP2 adaptor facilitation vs restraint from clathrin light chains. <i>Cells and Development</i> , 2021, 168, 203714.	1.5	9
3	Lipid Metabolism Links Nutrient-Exercise Timing to Insulin Sensitivity in Men Classified as Overweight or Obese. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020, 105, 660-676.	3.6	32
4	Looking back to traffic forward: A tribute to Thomas Kreis (1952–1998) and his inspiration. <i>Traffic</i> , 2020, 21, 186-188.	2.7	0
5	Twenty years of <i>Traffic</i> . <i>Traffic</i> , 2020, 21, 4-5.	2.7	2
6	Editorial overview: Membrane traffic in the time of COVID-19. <i>Current Opinion in Cell Biology</i> , 2020, 65, iii-v.	5.4	0
7	Clathrin's life beyond 40: Connecting biochemistry with physiology and disease. <i>Current Opinion in Cell Biology</i> , 2020, 65, 141-149.	5.4	25
8	CHC22 clathrin mediates traffic from early secretory compartments for human GLUT4 pathway biogenesis. <i>Journal of Cell Biology</i> , 2020, 219, .	5.2	32
9	Building GLUT4 Vesicles: CHC22 Clathrin's Human Touch. <i>Trends in Cell Biology</i> , 2020, 30, 705-719.	7.9	28
10	Clathrin light chain diversity regulates membrane deformation in vitro and synaptic vesicle formation in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 23527-23538.	7.1	27
11	Ernst Joachim Ungewickell: 1950–2020. <i>Journal of Cell Biology</i> , 2020, 219, .	5.2	0
12	Clathrin light chain A drives selective myosin VI recruitment to clathrin-coated pits under membrane tension. <i>Nature Communications</i> , 2019, 10, 4974.	12.8	38
13	The AP2 adaptor enhances clathrin coat stiffness. <i>FEBS Journal</i> , 2019, 286, 4074-4085.	4.7	16
14	Genetic diversity of CHC22 clathrin impacts its function in glucose metabolism. <i>ELife</i> , 2019, 8, .	6.0	22
15	CHC22 and CHC17 clathrins have distinct biochemical properties and display differential regulation and function. <i>Journal of Biological Chemistry</i> , 2017, 292, 20834-20844.	3.4	24
16	Clathrin light chains' role in selective endocytosis influences antibody isotype switching. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 9816-9821.	7.1	27
17	A Distinctive Cytoplasmic Tail Contributes to Low Surface Expression and Intracellular Retention of the Patr-AL MHC Class I Molecule. <i>Journal of Immunology</i> , 2015, 195, 3725-3736.	0.8	7
18	Clathrin light chains are required for the gyrating-clathrin recycling pathway and thereby promote cell migration. <i>Nature Communications</i> , 2014, 5, 3891.	12.8	44

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19	The adaptor protein GULP promotes Jedi-1-mediated phagocytosis through a clathrin-dependent mechanism. <i>Molecular Biology of the Cell</i> , 2014, 25, 1925-1936.	2.1	18
20	Unconventional Functions for Clathrin, ESCRTs, and Other Endocytic Regulators in the Cytoskeleton, Cell Cycle, Nucleus, and Beyond: Links to Human Disease. <i>Cold Spring Harbor Perspectives in Biology</i> , 2014, 6, a017004-a017004.	5.5	22
21	A cost-benefit analysis of the physical mechanisms of membrane curvature. <i>Nature Cell Biology</i> , 2013, 15, 1019-1027.	10.3	194
22	Hsc70-induced Changes in Clathrin-Auxilin Cage Structure Suggest a Role for Clathrin Light Chains in Cage Disassembly. <i>Traffic</i> , 2013, 14, 987-996.	2.7	24
23	The CHC22 Clathrin-GLUT4 Transport Pathway Contributes to Skeletal Muscle Regeneration. <i>PLoS ONE</i> , 2013, 8, e77787.	2.5	19
24	Clathrin promotes centrosome integrity in early mitosis through stabilization of centrosomal ch-TOG. <i>Journal of Cell Biology</i> , 2012, 198, 591-605.	5.2	53
25	Diversity of Clathrin Function: New Tricks for an Old Protein. <i>Annual Review of Cell and Developmental Biology</i> , 2012, 28, 309-336.	9.4	181
26	A Common Clathrin-Mediated Machinery Coordinates Cell-Cell Adhesion and Bacterial Internalization. <i>Traffic</i> , 2012, 13, 1653-1666.	2.7	30
27	Clathrin phosphorylation is required for actin recruitment at sites of bacterial adhesion and internalization. <i>Journal of Cell Biology</i> , 2011, 195, 525-536.	5.2	99
28	Life History of the Journal TRAFFIC, Celebrating Ten Years of Publication. <i>Traffic</i> , 2010, 11, 1-3.	2.7	4
29	The clathrin heavy chain isoform CHC22 functions in a novel endosomal sorting step. <i>Journal of Cell Biology</i> , 2010, 188, 131-144.	5.2	56
30	Conformation Switching of Clathrin Light Chain Regulates Clathrin Lattice Assembly. <i>Developmental Cell</i> , 2010, 18, 854-861.	7.0	72
31	A Role for the CHC22 Clathrin Heavy-Chain Isoform in Human Glucose Metabolism. <i>Science</i> , 2009, 324, 1192-1196.	12.6	98
32	Actin Binding by Hip1 (Huntingtin-interacting Protein 1) and Hip1R (Hip1-related Protein) Is Regulated by Clathrin Light Chain. <i>Journal of Biological Chemistry</i> , 2008, 283, 32870-32879.	3.4	78
33	Novel Binding Sites on Clathrin and Adaptors Regulate Distinct Aspects of Coat Assembly. <i>Traffic</i> , 2006, 7, 1688-1700.	2.7	35
34	New Faces of the Familiar Clathrin Lattice. <i>Traffic</i> , 2005, 6, 346-350.	2.7	40
35	Clathrin heavy and light chain isoforms originated by independent mechanisms of gene duplication during chordate evolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 7209-7214.	7.1	58
36	Huntingtin-interacting Protein 1 (Hip1) and Hip1-related Protein (Hip1R) Bind the Conserved Sequence of Clathrin Light Chains and Thereby Influence Clathrin Assembly in Vitro and Actin Distribution in Vivo. <i>Journal of Biological Chemistry</i> , 2005, 280, 6109-6117.	3.4	112

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37	Clathrin Isoform CHC22, a Component of Neuromuscular and Myotendinous Junctions, Binds Sorting Nexin 5 and Has Increased Expression during Myogenesis and Muscle Regeneration. <i>Molecular Biology of the Cell</i> , 2004, 15, 3181-3195.	2.1	49
38	Lipid Rafts Unite Signaling Cascades with Clathrin to Regulate BCR Internalization. <i>Immunity</i> , 2002, 17, 451-462.	14.3	200
39	Biological Basket Weaving: Formation and Function of Clathrin-Coated Vesicles. <i>Annual Review of Cell and Developmental Biology</i> , 2001, 17, 517-568.	9.4	573
40	Clathrin Hub Expression Dissociates the Actin-Binding Protein Hip1R from Coated Pits and Disrupts Their Alignment with the Actin Cytoskeleton. <i>Traffic</i> , 2001, 2, 851-858.	2.7	22
41	Green Light for Traffic. <i>Traffic</i> , 2000, 1, 1-2.	2.7	2
42	Complete Reconstitution of Clathrin Basket Formation with Recombinant Protein Fragments: Adaptor Control of Clathrin Self-Assembly. <i>Traffic</i> , 2000, 1, 69-75.	2.7	44
43	Molecular Structures of Proteins Involved in Vesicle Fusion. <i>Traffic</i> , 2000, 1, 474-479.	2.7	15
44	Clathrin self-assembly is mediated by a tandemly repeated superhelix. <i>Nature</i> , 1999, 399, 371-375.	27.8	143
45	Human pathogen subversion of antigen presentation. <i>Immunological Reviews</i> , 1999, 168, 199-215.	6.0	73
46	Thomas E. Kreis, 1952â€“1998. <i>Trends in Cell Biology</i> , 1998, 8, 476.	7.9	2
47	Regulation of clathrin assembly and trimerization defined using recombinant triskelion hubs. <i>Cell</i> , 1995, 83, 257-267.	28.9	151
48	Folding and trimerization of clathrin subunits at the triskelion hub. <i>Cell</i> , 1992, 68, 899-910.	28.9	152
49	Clathrin light chains: arrays of protein motifs that regulate coated-vesicle dynamics. <i>Trends in Biochemical Sciences</i> , 1991, 16, 208-213.	7.5	87
50	What's the score?. <i>Nature</i> , 1991, 352, 288-289.	27.8	2