Frances M Brodsky

List of Publications by Year
in descending order

50 papers	3,060 citations	236833 25 h-index	197736 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. Biochemical Journal, 2022, 479, 1237-1256.	1.7	11
2	Antagonistic regulation controls clathrin-mediated endocytosis: AP2 adaptor facilitation vs restraint from clathrin light chains. Cells and Development, 2021, 168, 203714.	0.7	9
3	Lipid Metabolism Links Nutrient-Exercise Timing to Insulin Sensitivity in Men Classified as Overweight or Obese. Journal of Clinical Endocrinology and Metabolism, 2020, 105, 660-676.	1.8	32
4	Looking back to traffic forward: A tribute to Thomas Kreis (1952â€1998) and his inspiration. Traffic, 2020, 21, 186-188.	1.3	0
5	Twenty years of Traffic. Traffic, 2020, 21, 4-5.	1.3	2
6	Editorial overview: Membrane traffic in the time of COVID-19. Current Opinion in Cell Biology, 2020, 65, iii-v.	2.6	0
7	Clathrinâ€™s life beyond 40: Connecting biochemistry with physiology and disease. Current Opinion in Cell Biology, 2020, 65, 141-149.	2.6	25
8	CHC22 clathrin mediates traffic from early secretory compartments for human GLUT4 pathway biogenesis. Journal of Cell Biology, 2020, 219, .	2.3	32
9	Building GLUT4 Vesicles: CHC22 Clathrinâ€™s Human Touch. Trends in Cell Biology, 2020, 30, 705-719.	3.6	28
10	Clathrin light chain diversity regulates membrane deformation in vitro and synaptic vesicle formation in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 23527-23538.	3.3	27
11	Ernst Joachim Ungewickell: 1950â€“2020. Journal of Cell Biology, 2020, 219, .	2.3	0
12	Clathrin light chain A drives selective myosin VI recruitment to clathrin-coated pits under membrane tension. Nature Communications, 2019, 10, 4974.	5.8	38
13	The AP2 adaptor enhances clathrin coat stiffness. FEBS Journal, 2019, 286, 4074-4085.	2.2	16
14	Genetic diversity of CHC22 clathrin impacts its function in glucose metabolism. ELife, 2019, 8, .	2.8	22
15	CHC22 and CHC17 clathrins have distinct biochemical properties and display differential regulation and function. Journal of Biological Chemistry, 2017, 292, 20834-20844.	1.6	24
16	Clathrin light chainsâ€™ role in selective endocytosis influences antibody isotype switching. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 9816-9821.	3.3	27
17	A Distinctive Cytoplasmic Tail Contributes to Low Surface Expression and Intracellular Retention of the Patr-AL MHC Class I Molecule. Journal of Immunology, 2015, 195, 3725-3736.	0.4	7
18	Clathrin light chains are required for the gyrating-clathrin recycling pathway and thereby promote cell migration. Nature Communications, 2014, 5, 3891.	5.8	44

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19	The adaptor protein GULP promotes Jedi-1â€“mediated phagocytosis through a clathrin-dependent mechanism. Molecular Biology of the Cell, 2014, 25, 1925-1936.	0.9	18
20	Unconventional Functions for Clathrin, ESCRTs, and Other Endocytic Regulators in the Cytoskeleton, Cell Cycle, Nucleus, and Beyond: Links to Human Disease. Cold Spring Harbor Perspectives in Biology, 2014, 6, a017004-a017004.	2.3	22
21	A costâ€“benefit analysis of the physical mechanisms of membrane curvature. Nature Cell Biology, 2013, 15, 1019-1027.	4.6	194
22	Hsc70â€induced Changes in Clathrinâ€Auxilin Cage Structure Suggest a Role for Clathrin Light Chains in Cage Disassembly. Traffic, 2013, 14, 987-996.	1.3	24
23	The CHC22 Clathrin-GLUT4 Transport Pathway Contributes to Skeletal Muscle Regeneration. PLoS ONE, 2013, 8, e77787.	1.1	19
24	Clathrin promotes centrosome integrity in early mitosis through stabilization of centrosomal ch-TOG. Journal of Cell Biology, 2012, 198, 591-605.	2.3	53
25	Diversity of Clathrin Function: New Tricks for an Old Protein. Annual Review of Cell and Developmental Biology, 2012, 28, 309-336.	4.0	181
26	A Common Clathrinâ€Mediated Machinery Coâ€ordinates Cellâ€“Cell Adhesion and Bacterial Internalization. Traffic, 2012, 13, 1653-1666.	1.3	30
27	Clathrin phosphorylation is required for actin recruitment at sites of bacterial adhesion and internalization. Journal of Cell Biology, 2011, 195, 525-536.	2.3	99
28	Life History of the Journal TRAFFIC, Celebrating Ten Years of Publication. Traffic, 2010, 11, 1-3.	1.3	4
29	The clathrin heavy chain isoform CHC22 functions in a novel endosomal sorting step. Journal of Cell Biology, 2010, 188, 131-144.	2.3	56
30	Conformation Switching of Clathrin Light Chain Regulates Clathrin Lattice Assembly. Developmental Cell, 2010, 18, 854-861.	3.1	72
31	A Role for the CHC22 Clathrin Heavy-Chain Isoform in Human Glucose Metabolism. Science, 2009, 324, 1192-1196.	6.0	98
32	Actin Binding by Hip1 (Huntingtin-interacting Protein 1) and Hip1R (Hip1-related Protein) Is Regulated by Clathrin Light Chain. Journal of Biological Chemistry, 2008, 283, 32870-32879.	1.6	78
33	Novel Binding Sites on Clathrin and Adaptors Regulate Distinct Aspects of Coat Assembly. Traffic, 2006, 7, 1688-1700.	1.3	35
34	New Faces of the Familiar Clathrin Lattice. Traffic, 2005, 6, 346-350.	1.3	40
35	Clathrin heavy and light chain isoforms originated by independent mechanisms of gene duplication during chordate evolution. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 7209-7214.	3.3	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. Journal of Biological Chemistry, 2005, 280, 6109-6117.	1.6	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. Molecular Biology of the Cell, 2004, 15, 3181-3195.	0.9	49
38	Lipid Rafts Unite Signaling Cascades with Clathrin to Regulate BCR Internalization. Immunity, 2002, 17, 451-462.	6.6	200
39	Biological Basket Weaving: Formation and Function of Clathrin-Coated Vesicles. Annual Review of Cell and Developmental Biology, 2001, 17, 517-568.	4.0	573
40	Clathrin Hub Expression Dissociates the Actin-Binding Protein Hip1R from Coated Pits and Disrupts Their Alignment with the Actin Cytoskeleton. Traffic, 2001, 2, 851-858.	1.3	22
41	Green Light for Traffic. Traffic, 2000, 1, 1-2.	1.3	2
42	Complete Reconstitution of Clathrin Basket Formation with Recombinant Protein Fragments: Adaptor Control of Clathrin Self-Assembly. Traffic, 2000, 1, 69-75.	1.3	44
43	Molecular Structures of Proteins Involved in Vesicle Fusion. Traffic, 2000, 1, 474-479.	1.3	15
44	Clathrin self-assembly is mediated by a tandemly repeated superhelix. Nature, 1999, 399, 371-375.	13.7	143
45	Human pathogen subversion of antigen presentation. Immunological Reviews, 1999, 168, 199-215.	2.8	73
46	Thomas E. Kreis, 1952â€“1998. Trends in Cell Biology, 1998, 8, 476.	3.6	2
47	Regulation of clathrin assembly and trimerization defined using recombinant triskelion hubs. Cell, 1995, 83, 257-267.	13.5	151
48	Folding and trimerization of clathrin subunits at the triskelion hub. Cell, 1992, 68, 899-910.	13.5	152
49	Clathrin light chains: arrays of protein motifs that regulate coated-vesicle dynamics. Trends in Biochemical Sciences, 1991, 16, 208-213.	3.7	87
50	What's the score?. Nature, 1991, 352, 288-289.	13.7	2