

Corinne J Smith

List of Publications by Year in descending order

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43
papers

3,038
citations

218381

26
h-index

288905

40
g-index

48
all docs

48
docs citations

48
times ranked

3606
citing authors

#	ARTICLE	IF	CITATIONS
1	Clathrin: the molecular shape shifter. <i>Biochemical Journal</i> , 2021, 478, 3099-3123.	1.7	16
2	Multi-modal adaptor-clathrin contacts drive coated vesicle assembly. <i>EMBO Journal</i> , 2021, 40, e108795.	3.5	8
3	Bacteriophage K1F targets <i>Escherichia coli</i> K1 in cerebral endothelial cells and influences the barrier function. <i>Scientific Reports</i> , 2020, 10, 8903.	1.6	23
4	The MiDAC histone deacetylase complex is essential for embryonic development and has a unique multivalent structure. <i>Nature Communications</i> , 2020, 11, 3252.	5.8	51
5	Characterization of a novel method for the production of single-span membrane proteins in <i>Escherichia coli</i> . <i>Biotechnology and Bioengineering</i> , 2019, 116, 722-733.	1.7	1
6	Cryo-EM of multiple cage architectures reveals a universal mode of clathrin self-assembly. <i>Nature Structural and Molecular Biology</i> , 2019, 26, 890-898.	3.6	56
7	Nano-encapsulated <i>Escherichia coli</i> Divisome Anchor ZipA, and in Complex with FtsZ. <i>Scientific Reports</i> , 2019, 9, 18712.	1.6	16
8	Structure and Assembly of Clathrin Cages. <i>Sub-Cellular Biochemistry</i> , 2017, 83, 551-567.	1.0	12
9	TatA complexes exhibit a marked change in organisation in response to expression of the TatBC complex. <i>Biochemical Journal</i> , 2017, 474, 1495-1508.	1.7	3
10	CHC22 and CHC17 clathrins have distinct biochemical properties and display differential regulation and function. <i>Journal of Biological Chemistry</i> , 2017, 292, 20834-20844.	1.6	24
11	Weak Molecular Interactions in Clathrin-Mediated Endocytosis. <i>Frontiers in Molecular Biosciences</i> , 2017, 4, 72.	1.6	43
12	The structure of the core NuRD repression complex provides insights into its interaction with chromatin. <i>ELife</i> , 2016, 5, e13941.	2.8	108
13	Fabrication of crystals from single metal atoms. <i>Nature Communications</i> , 2014, 5, 3851.	5.8	31
14	Precious metal carborane polymer nanoparticles: characterisation of micellar formulations and anticancer activity. <i>Faraday Discussions</i> , 2014, 175, 229-240.	1.6	33
15	A mutation leading to super-assembly of twin-arginine translocase (Tat) protein complexes. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2014, 1843, 1978-1986.	1.9	11
16	Ultrastructural characterisation of <i>Bacillus subtilis</i> TatA complexes suggests they are too small to form homooligomeric translocation pores. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013, 1833, 1811-1819.	1.9	19
17	Tetramerization of ZapA is required for FtsZ bundling. <i>Biochemical Journal</i> , 2013, 449, 795-802.	1.7	37
18	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.	1.3	24

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19	Structure of TatA Paralog, TatE, Suggests a Structurally Homogeneous Form of Tat Protein Translocase That Transports Folded Proteins of Differing Diameter. <i>Journal of Biological Chemistry</i> , 2012, 287, 7335-7344.	1.6	34
20	The Mechanics of FtsZ Fibers. <i>Biophysical Journal</i> , 2012, 102, 731-738.	0.2	29
21	Size Doesn't Matter! The Importance of Size Variability in Coated Vesicles. <i>Developmental Cell</i> , 2012, 23, 9-10.	3.1	0
22	A sequential mechanism for clathrin cage disassembly by 70-kDa heat-shock cognate protein (Hsc70) and auxilin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 6927-6932.	3.3	47
23	DNA compaction by the higher-order assembly of PRH/Hex homeodomain protein oligomers. <i>Nucleic Acids Research</i> , 2010, 38, 7513-7525.	6.5	5
24	Membrane Proteins Solubilized Intact in Lipid Containing Nanoparticles Bounded by Styrene Maleic Acid Copolymer. <i>Journal of the American Chemical Society</i> , 2009, 131, 7484-7485.	6.6	446
25	Structural Characterisation of the Insecticidal Toxin XptA1, Reveals a 1.15ÅMDa Tetramer with a Cage-like Structure. <i>Journal of Molecular Biology</i> , 2007, 366, 1558-1568.	2.0	37
26	Understanding Cage Disassembly. <i>Imaging & Microscopy</i> , 2007, 9, 54-54.	0.1	0
27	Oligomerisation of the Developmental Regulator Proline Rich Homeodomain (PRH/Hex) is Mediated by a Novel Proline-rich Dimerisation Domain. <i>Journal of Molecular Biology</i> , 2006, 358, 943-962.	2.0	24
28	Life of a clathrin coat: insights from clathrin and AP structures. <i>Nature Reviews Molecular Cell Biology</i> , 2006, 7, 32-44.	16.1	190
29	STRUCTURAL BIOLOGY: Two Geometric Solutions to a Transporting Problem. <i>Science</i> , 2006, 311, 182-183.	6.0	2
30	Expression, purification and crystallization of the cell-division protein YgfE from <i>Escherichia coli</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2005, 61, 305-307.	0.7	0
31	Natively unfolded domains in endocytosis: hooks, lines and linkers. <i>EMBO Reports</i> , 2004, 5, 1046-1052.	2.0	77
32	Location of Auxilin Within a Clathrin Cage. <i>Journal of Molecular Biology</i> , 2004, 336, 461-471.	2.0	27
33	Clathrin coat construction in endocytosis. <i>Current Opinion in Structural Biology</i> , 2000, 10, 220-228.	2.6	108
34	Clathrin: anatomy of a coat protein. <i>Trends in Cell Biology</i> , 1999, 9, 335-338.	3.6	41
35	Functional Organization of Clathrin in Coats. <i>Molecular Cell</i> , 1999, 3, 761-770.	4.5	103
36	Clathrin coats at 21Å resolution: a cellular assembly designed to recycle multiple membrane receptors. <i>EMBO Journal</i> , 1998, 17, 4943-4953.	3.5	129

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37	Conformational properties of the prion octa-repeat and hydrophobic sequences. FEBS Letters, 1997, 405, 378-384.	1.3	40
38	Clathrin interacts specifically with amphiphysin and is displaced by dynamin 1. FEBS Letters, 1997, 413, 319-322.	1.3	89
39	Prion protein is necessary for normal synaptic function. Nature, 1994, 370, 295-297.	13.7	748
40	The energetics and cooperativity of protein folding: a simple experimental analysis based upon the solvation of internal residues. Biochemistry, 1993, 32, 3842-3851.	1.2	65
41	Detection and characterization of intermediates in the folding of large proteins by the use of genetically inserted tryptophan probes. Biochemistry, 1991, 30, 1028-1036.	1.2	67
42	Binding of a chaperonin to the folding intermediates of lactate dehydrogenase. Biochemistry, 1991, 30, 9195-9200.	1.2	177
43	Rational construction of a 2-hydroxyacid dehydrogenase with new substrate specificity. Biochemical and Biophysical Research Communications, 1987, 148, 15-23.	1.0	35