

Stephan Nickell

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

2,606
citations

361413

20
h-index

610901

24
g-index

25
all docs

25
docs citations

25
times ranked

2688
citing authors

#	ARTICLE	IF	CITATIONS
1	TOM software toolbox: acquisition and analysis for electron tomography. <i>Journal of Structural Biology</i> , 2005, 149, 227-234.	2.8	424
2	The structural basis of actin filament branching by the Arp2/3 complex. <i>Journal of Cell Biology</i> , 2008, 180, 887-895.	5.2	270
3	Identification of macromolecular complexes in cryoelectron tomograms of phantom cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 14153-14158.	7.1	246
4	Near-atomic resolution structural model of the yeast 26S proteasome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 14870-14875.	7.1	242
5	A visual approach to proteomics. <i>Nature Reviews Molecular Cell Biology</i> , 2006, 7, 225-230.	37.0	212
6	Three-dimensional architecture of murine rod outer segments determined by cryoelectron tomography. <i>Journal of Cell Biology</i> , 2007, 177, 917-925.	5.2	192
7	The proteasomal subunit Rpn6 is a molecular clamp holding the core and regulatory subcomplexes together. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 149-154.	7.1	136
8	Structure of the 26S proteasome from <i>Schizosaccharomyces pombe</i> at subnanometer resolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 20992-20997.	7.1	130
9	Insights into the molecular architecture of the 26S proteasome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 11943-11947.	7.1	116
10	Localization of the proteasomal ubiquitin receptors Rpn10 and Rpn13 by electron cryomicroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 1479-1484.	7.1	114
11	Pyrodictium cannulae enter the periplasmic space but do not enter the cytoplasm, as revealed by cryo-electron tomography. <i>Journal of Structural Biology</i> , 2003, 141, 34-42.	2.8	95
12	Maximum likelihood based classification of electron tomographic data. <i>Journal of Structural Biology</i> , 2011, 173, 77-85.	2.8	56
13	An atomic model AAA-ATPase/20S core particle sub-complex of the 26S proteasome. <i>Biochemical and Biophysical Research Communications</i> , 2009, 388, 228-233.	2.1	54
14	Unraveling the structure of membrane proteins in situ by transfer function corrected cryo-electron tomography. <i>Journal of Structural Biology</i> , 2012, 180, 488-496.	2.8	53
15	Toward an Integrated Structural Model of the 26S Proteasome. <i>Molecular and Cellular Proteomics</i> , 2010, 9, 1666-1677.	3.8	50
16	Computer controlled cryo-electron microscopy – TOM2 a software package for high-throughput applications. <i>Journal of Structural Biology</i> , 2011, 175, 394-405.	2.8	49
17	Quantitative Proteome and Transcriptome Analysis of the Archaeon <i>Thermoplasma acidophilum</i> Cultured under Aerobic and Anaerobic Conditions. <i>Journal of Proteome Research</i> , 2010, 9, 4839-4850.	3.7	42
18	Structural analysis of the 26S proteasome by cryoelectron tomography. <i>Biochemical and Biophysical Research Communications</i> , 2007, 353, 115-120.	2.1	35

#	ARTICLE	IF	CITATIONS
19	Automated cryoelectron microscopy of "single particles" applied to the 26S proteasome. FEBS Letters, 2007, 581, 2751-2756.	2.8	33
20	Localization of Protein Complexes by Pattern Recognition. Methods in Cell Biology, 2007, 79, 615-638.	1.1	27
21	Proteomics Analysis of <i>Thermoplasma acidophilum</i> with a Focus on Protein Complexes. Molecular and Cellular Proteomics, 2007, 6, 492-502.	3.8	16
22	Size distribution of native cytosolic proteins of <i>Thermoplasma acidophilum</i> . Proteomics, 2009, 9, 3783-3786.	2.2	9
23	Lipoprotein-like particles in a prokaryote: quinone droplets of <i>Thermoplasma acidophilum</i> . FEMS Microbiology Letters, 2016, 363, fnw169.	1.8	4
24	Exploring the Inner Space of Cells by Cryoelectron-Tomography. Microscopy and Microanalysis, 2004, 10, 152-153.	0.4	1
25	The State of the Art in Cryo-Electron Tomography. Microscopy and Microanalysis, 2003, 9, 174-175.	0.4	0