

# Alexander Buchberger

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3753423/publications.pdf>

Version: 2024-02-01

40  
papers

4,490  
citations

185998

28  
h-index

288905

40  
g-index

42  
all docs

42  
docs citations

42  
times ranked

4033  
citing authors

#	ARTICLE	IF	CITATIONS
1	Protein Quality Control in the Cytosol and the Endoplasmic Reticulum: Brothers in Arms. <i>Molecular Cell</i> , 2010, 40, 238-252.	4.5	441
2	The Role of ATP in the Functional Cycle of the DnaK Chaperone System. <i>Journal of Molecular Biology</i> , 1995, 249, 126-137.	2.0	383
3	Interaction of Hsp70 chaperones with substrates. <i>Nature Structural and Molecular Biology</i> , 1997, 4, 342-349.	3.6	334
4	Membrane-bound Ubx2 recruits Cdc48 to ubiquitin ligases and their substrates to ensure efficient ER-associated protein degradation. <i>Nature Cell Biology</i> , 2005, 7, 999-1006.	4.6	268
5	UBX domain proteins: major regulators of the AAA ATPase Cdc48/p97. <i>Cellular and Molecular Life Sciences</i> , 2008, 65, 2360-2371.	2.4	249
6	Nucleotide-induced Conformational Changes in the ATPase and Substrate Binding Domains of the DnaK Chaperone Provide Evidence for Interdomain Communication. <i>Journal of Biological Chemistry</i> , 1995, 270, 16903-16910.	1.6	233
7	Cdc48: a power machine in protein degradation. <i>Trends in Biochemical Sciences</i> , 2011, 36, 515-523.	3.7	207
8	Control of p97 function by cofactor binding. <i>FEBS Letters</i> , 2015, 589, 2578-2589.	1.3	181
9	GrpE Accelerates Nucleotide Exchange of the Molecular Chaperone DnaK with an Associative Displacement Mechanism. <i>Biochemistry</i> , 1997, 36, 3417-3422.	1.2	175
10	Mutations in the DnaK chaperone affecting interaction with the DnaJ cochaperone. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 15229-15234.	3.3	170
11	From UBA to UBX: new words in the ubiquitin vocabulary. <i>Trends in Cell Biology</i> , 2002, 12, 216-221.	3.6	156
12	Shp1 and Ubx2 are adaptors of Cdc48 involved in ubiquitin-dependent protein degradation. <i>EMBO Reports</i> , 2004, 5, 818-824.	2.0	156
13	Substrate Shuttling Between the DnaK and GroEL Systems Indicates a Chaperone Network Promoting Protein Folding. <i>Journal of Molecular Biology</i> , 1996, 261, 328-333.	2.0	140
14	The UBX domain: a widespread ubiquitin-like module. <i>Journal of Molecular Biology</i> , 2001, 307, 17-24.	2.0	130
15	A conserved loop in the ATPase domain of the DnaK chaperone is essential for stable binding of GrpE. <i>Nature Structural and Molecular Biology</i> , 1994, 1, 95-101.	3.6	124
16	ZFAND1 Recruits p97 and the 26S Proteasome to Promote the Clearance of Arsenite-Induced Stress Granules. <i>Molecular Cell</i> , 2018, 70, 906-919.e7.	4.5	123
17	The chaperone function of DnaK requires the coupling of ATPase activity with substrate binding through residue E171. <i>EMBO Journal</i> , 1994, 13, 1687-1695.	3.5	114
18	Suppression of LUBAC-mediated linear ubiquitination by a specific interaction between LUBAC and the deubiquitinases CYLD and OTULIN. <i>Genes To Cells</i> , 2014, 19, 254-272.	0.5	107

#	ARTICLE	IF	CITATIONS
19	Imbalances in p97 co-factor interactions in human proteinopathy. <i>EMBO Reports</i> , 2010, 11, 479-485.	2.0	95
20	Hierarchical Binding of Cofactors to the AAA ATPase p97. <i>Structure</i> , 2011, 19, 833-843.	1.6	91
21	The PUB Domain Functions as a p97 Binding Module in Human Peptide N-Glycanase. <i>Journal of Biological Chemistry</i> , 2006, 281, 25502-25508.	1.6	84
22	Protein Turnover: A CHIP Programmed for Proteolysis. <i>Current Biology</i> , 2002, 12, R26-R28.	1.8	67
23	Renal cell carcinoma risk in type 2 von Hippel-Lindau disease correlates with defects in pVHL stability and HIF-1 $\alpha$ interactions. <i>Oncogene</i> , 2006, 25, 370-377.	2.6	67
24	The General Definition of the p97/Valosin-containing Protein (VCP)-interacting Motif (VIM) Delineates a New Family of p97 Cofactors. <i>Journal of Biological Chemistry</i> , 2011, 286, 38670-38678.	1.6	58
25	Comparative Sequence Analysis of the VHL Tumor Suppressor Gene. <i>Genomics</i> , 2000, 65, 253-265.	1.3	54
26	Cellular Functions of Ufd2 and Ufd3 in Proteasomal Protein Degradation Depend on Cdc48 Binding. <i>Molecular and Cellular Biology</i> , 2011, 31, 1528-1539.	1.1	45
27	UBXD1 binds p97 through two independent binding sites. <i>Biochemical and Biophysical Research Communications</i> , 2009, 380, 303-307.	1.0	37
28	Roles of Cdc48 in Regulated Protein Degradation in Yeast. <i>Sub-Cellular Biochemistry</i> , 2013, 66, 195-222.	1.0	30
29	Functional Defects of the DnaK756 Mutant Chaperone of <i>Escherichia coli</i> Indicate Distinct Roles for Amino- and Carboxyl-terminal Residues in Substrate and Co-chaperone Interaction and Interdomain Communication. <i>Journal of Biological Chemistry</i> , 1999, 274, 38017-38026.	1.6	25
30	Comparative profiling of stress granule clearance reveals differential contributions of the ubiquitin system. <i>Life Science Alliance</i> , 2021, 4, e202000927.	1.3	25
31	VHL Mutations Linked to Type 2C von Hippel-Lindau Disease Cause Extensive Structural Perturbations in pVHL. <i>Journal of Biological Chemistry</i> , 2009, 284, 10514-10522.	1.6	20
32	The Budding Yeast Cdc48Shp1 Complex Promotes Cell Cycle Progression by Positive Regulation of Protein Phosphatase 1 (Glc7). <i>PLoS ONE</i> , 2013, 8, e56486.	1.1	19
33	Control of Ubiquitin Conjugation by Cdc48 and Its Cofactors. <i>Sub-Cellular Biochemistry</i> , 2010, 54, 17-30.	1.0	18
34	ERQC Autophagy: Yet Another Way to Die. <i>Molecular Cell</i> , 2014, 54, 3-4.	4.5	15
35	A yeast two-hybrid system reconstituting substrate recognition of the von Hippel-Lindau tumor suppressor protein. <i>Nucleic Acids Research</i> , 2007, 35, e142-e142.	6.5	12
36	Role of the Ubiquitin System in Stress Granule Metabolism. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3624.	1.8	12

#	ARTICLE	IF	CITATIONS
37	Biophysical Characterization of Elongin C from <i>Saccharomyces cerevisiae</i> . <i>Biochemistry</i> , 2000, 39, 11137-11146.	1.2	10
38	Unfolding by Cdc48/p97: different strokes for different folks. <i>Trends in Cell Biology</i> , 2022, , .	3.6	6
39	USP28 enables oncogenic transformation of respiratory cells, and its inhibition potentiates molecular therapy targeting mutant EGFR, BRAF and PI3K. <i>Molecular Oncology</i> , 2022, 16, 3082-3106.	2.1	4
40	Biophysical Characterization of Elongin C from <i>Saccharomyces cerevisiae</i> . <i>Biochemistry</i> , 2000, 39, 12512-12512.	1.2	2