

Keith D Wilkinson

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

95
papers

13,320
citations

55
h-index

99
g-index

99
ext. papers

14,305
ext. citations

10
avg, IF

6.31
L-index

#	Paper	IF	Citations
95	Aggregation and Prion-Inducing Properties of the G-Protein Gamma Subunit Ste18 are Regulated by Membrane Association. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	2
94	Yeast Models for Amyloids and Prions: Environmental Modulation and Drug Discovery. <i>Molecules</i> , 2019 , 24,	4.8	9
93	Yeast Short-Lived Actin-Associated Protein Forms a Metastable Prion in Response to Thermal Stress. <i>Cell Reports</i> , 2017 , 18, 751-761	10.6	35
92	Prion-based memory of heat stress in yeast. <i>Prion</i> , 2017 , 11, 151-161	2.3	14
91	Prions, Chaperones, and Proteostasis in Yeast. <i>Cold Spring Harbor Perspectives in Biology</i> , 2017 , 9,	10.2	45
90	Wss1 metalloprotease partners with Cdc48/Doa1 in processing genotoxic SUMO conjugates. <i>ELife</i> , 2015 , 4,	8.9	52
89	Physiological and environmental control of yeast prions. <i>FEMS Microbiology Reviews</i> , 2014 , 38, 326-44	15.1	42
88	Stress-dependent proteolytic processing of the actin assembly protein Lsb1 modulates a yeast prion. <i>Journal of Biological Chemistry</i> , 2014 , 289, 27625-39	5.4	20
87	Regulation of proteolysis by human deubiquitinating enzymes. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2014 , 1843, 114-28	4.9	123
86	BAP1 is phosphorylated at serine 592 in S-phase following DNA damage. <i>FEBS Letters</i> , 2013 , 587, 3906-13	11.8	29
85	Two ZnF-UBP domains in isopeptidase T (USP5). <i>Biochemistry</i> , 2012 , 51, 1188-98	3.2	39
84	Prion induction by the short-lived, stress-induced protein Lsb2 is regulated by ubiquitination and association with the actin cytoskeleton. <i>Molecular Cell</i> , 2011 , 43, 242-52	17.6	66
83	Structure and recognition of polyubiquitin chains of different lengths and linkage. <i>F1000 Biology Reports</i> , 2011 , 3, 26		51
82	Polyubiquitin binding and cross-reactivity in the USP domain deubiquitinase USP21. <i>EMBO Reports</i> , 2011 , 12, 350-7	6.5	115
81	An emerging model for BAP1's role in regulating cell cycle progression. <i>Cell Biochemistry and Biophysics</i> , 2011 , 60, 3-11	3.2	92
80	Distribution and paralogue specificity of mammalian deSUMOylating enzymes. <i>Biochemical Journal</i> , 2010 , 430, 335-44	3.8	80
79	Identification and developmental expression of <i>Xenopus laevis</i> SUMO proteases. <i>PLoS ONE</i> , 2009 , 4, e8462	3.7	15

78	Beta-arrestin-dependent signaling and trafficking of 7-transmembrane receptors is reciprocally regulated by the deubiquitinase USP33 and the E3 ligase Mdm2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 6650-5	11.5	132
77	DUBs at a glance. <i>Journal of Cell Science</i> , 2009 , 122, 2325-9	5.3	80
76	Burkholderia mallei tssM encodes a putative deubiquitinase that is secreted and expressed inside infected RAW 264.7 murine macrophages. <i>Infection and Immunity</i> , 2009 , 77, 1636-48	3.7	41
75	Molecular discrimination of structurally equivalent Lys 63-linked and linear polyubiquitin chains. <i>EMBO Reports</i> , 2009 , 10, 662-662	6.5	2
74	Molecular discrimination of structurally equivalent Lys 63-linked and linear polyubiquitin chains. <i>EMBO Reports</i> , 2009 , 10, 466-73	6.5	442
73	Regulation and cellular roles of ubiquitin-specific deubiquitinating enzymes. <i>Annual Review of Biochemistry</i> , 2009 , 78, 363-97	29.1	1043
72	Polyubiquitin binding and disassembly by deubiquitinating enzymes. <i>Chemical Reviews</i> , 2009 , 109, 1495-588	588	119
71	Evidence for bidentate substrate binding as the basis for the K48 linkage specificity of otubain 1. <i>Journal of Molecular Biology</i> , 2009 , 386, 1011-23	6.5	102
70	BRCA1-associated protein-1 is a tumor suppressor that requires deubiquitinating activity and nuclear localization. <i>Cancer Research</i> , 2008 , 68, 6953-62	10.1	254
69	Protein partners of deubiquitinating enzymes. <i>Biochemical Journal</i> , 2008 , 414, 161-75	3.8	144
68	Nucleolar protein B23/nucleophosmin regulates the vertebrate SUMO pathway through SENP3 and SENP5 proteases. <i>Journal of Cell Biology</i> , 2008 , 183, 589-95	7.3	79
67	Recognition of polyubiquitin isoforms by the multiple ubiquitin binding modules of isopeptidase T. <i>Journal of Biological Chemistry</i> , 2008 , 283, 19581-92	5.4	101
66	Positional-scanning fluorogenic substrate libraries reveal unexpected specificity determinants of DUBs (deubiquitinating enzymes). <i>Biochemical Journal</i> , 2008 , 415, 367-75	3.8	50
65	Characterization of ubiquitin and ubiquitin-like-protein isopeptidase activities. <i>Protein Science</i> , 2008 , 17, 1035-43	6.3	108
64	Structural basis for ubiquitin recognition by the Otu1 ovarian tumor domain protein. <i>Journal of Biological Chemistry</i> , 2008 , 283, 11038-49	5.4	84
63	Paralog specificity of mammalian SENPs for SUMO-1 and SUMO-2. <i>FASEB Journal</i> , 2008 , 22, 604.1	0.9	
62	Prion formation in yeast is influenced by alterations of the ubiquitin proteolysis. <i>FASEB Journal</i> , 2008 , 22, 604.2	0.9	
61	Proteolytic processing and deubiquitinating activity of papain-like proteases of human coronavirus NL63. <i>Journal of Virology</i> , 2007 , 81, 6007-18	6.6	76

60	Effects of ubiquitin system alterations on the formation and loss of a yeast prion. <i>Journal of Biological Chemistry</i> , 2007 , 282, 3004-13	5.4	66
59	Doa1 is a Cdc48 adapter that possesses a novel ubiquitin binding domain. <i>Molecular and Cellular Biology</i> , 2006 , 26, 822-30	4.8	65
58	SUSP1 antagonizes formation of highly SUMO2/3-conjugated species. <i>Journal of Cell Biology</i> , 2006 , 174, 939-49	7.3	124
57	Specificity of Ubiquitin-Binding Proteins: Recognition of Different Faces of Ubiquitin. <i>Israel Journal of Chemistry</i> , 2006 , 46, 159-169	3.4	1
56	The ubiquitin binding domain ZnF UBP recognizes the C-terminal diglycine motif of unanchored ubiquitin. <i>Cell</i> , 2006 , 124, 1197-208	56.2	240
55	Cecile Pickart 1954-2006. <i>Cell</i> , 2006 , 125, 635-637	56.2	
54	Structure of a complex between Nedd8 and the Ulp/Senp protease family member Den1. <i>Journal of Molecular Biology</i> , 2005 , 345, 141-51	6.5	62
53	Derivatization of the C-terminus of ubiquitin and ubiquitin-like proteins using intein chemistry: methods and uses. <i>Methods in Enzymology</i> , 2005 , 399, 37-51	1.7	58
52	Structure and mechanisms of the proteasome-associated deubiquitinating enzyme USP14. <i>EMBO Journal</i> , 2005 , 24, 3747-56	13	322
51	The ubiquitin signal: assembly, recognition and termination. Symposium on ubiquitin and signaling. <i>EMBO Reports</i> , 2005 , 6, 815-20	6.5	28
50	The Deubiquitinating Enzymes 2005 , 190-219		
49	Deubiquitinating enzyme purification, assay inhibitors, and characterization. <i>Methods in Molecular Biology</i> , 2005 , 301, 207-19	1.4	16
48	The discovery of ubiquitin-dependent proteolysis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 15280-2	11.5	75
47	Hsp70 chaperones as modulators of prion life cycle: novel effects of Ssa and Ssb on the <i>Saccharomyces cerevisiae</i> prion [PSI ⁺]. <i>Genetics</i> , 2005 , 169, 1227-42	4	136
46	Quantitative analysis of protein-protein interactions. <i>Methods in Molecular Biology</i> , 2004 , 261, 15-32	1.4	51
45	Specific and covalent targeting of conjugating and deconjugating enzymes of ubiquitin-like proteins. <i>Molecular and Cellular Biology</i> , 2004 , 24, 84-95	4.8	168
44	Familial Parkinson's disease-associated L166P mutation disrupts DJ-1 protein folding and function. <i>Journal of Biological Chemistry</i> , 2004 , 279, 8506-15	5.4	219
43	Modulating huntingtin half-life alters polyglutamine-dependent aggregate formation and cell toxicity. <i>Journal of Neurochemistry</i> , 2004 , 89, 962-73	6	29

42	Identification of a novel 29-linked polyubiquitin binding protein, Ufd3, using polyubiquitin chain analogues. <i>Biochemistry</i> , 2004 , 43, 4844-54	3.2	40
41	Ubiquitin: a Nobel protein. <i>Cell</i> , 2004 , 119, 741-5	56.2	16
40	Identification and characterization of DEN1, a deneddylase of the ULP family. <i>Journal of Biological Chemistry</i> , 2003 , 278, 28892-900	5.4	145
39	DEN1 is a dual function protease capable of processing the C terminus of Nedd8 and deconjugating hyper-neddylated CUL1. <i>Journal of Biological Chemistry</i> , 2003 , 278, 28882-91	5.4	138
38	Pleiotropic effects of Ubp6 loss on drug sensitivities and yeast prion are due to depletion of the free ubiquitin pool. <i>Journal of Biological Chemistry</i> , 2003 , 278, 52102-15	5.4	93
37	Chemistry-based functional proteomics reveals novel members of the deubiquitinating enzyme family. <i>Chemistry and Biology</i> , 2002 , 9, 1149-59		443
36	A novel active site-directed probe specific for deubiquitylating enzymes reveals proteasome association of USP14. <i>EMBO Journal</i> , 2001 , 20, 5187-96	13	408
35	Divergent N-terminal sequences of a deubiquitinating enzyme modulate substrate specificity. <i>Journal of Biological Chemistry</i> , 2001 , 276, 20357-63	5.4	40
34	Microarray identification of FMRP-associated brain mRNAs and altered mRNA translational profiles in fragile X syndrome. <i>Cell</i> , 2001 , 107, 477-87	56.2	912
33	Ubiquitination and deubiquitination: targeting of proteins for degradation by the proteasome. <i>Seminars in Cell and Developmental Biology</i> , 2000 , 11, 141-8	7.5	442
32	Nonhydrolyzable diubiquitin analogues are inhibitors of ubiquitin conjugation and deconjugation. <i>Biochemistry</i> , 2000 , 39, 10001-10	3.2	84
31	Ubiquitin-dependent signaling: the role of ubiquitination in the response of cells to their environment. <i>Journal of Nutrition</i> , 1999 , 129, 1933-6	4.1	58
30	Substrate specificity of deubiquitinating enzymes: ubiquitin C-terminal hydrolases. <i>Biochemistry</i> , 1998 , 37, 3358-68	3.2	350
29	The ubiquitin pathway in Parkinson's disease. <i>Nature</i> , 1998 , 395, 451-2	50.4	1371
28	BAP1: a novel ubiquitin hydrolase which binds to the BRCA1 RING finger and enhances BRCA1-mediated cell growth suppression. <i>Oncogene</i> , 1998 , 16, 1097-112	9.2	545
27	Purified recombinant Fmrp exhibits selective RNA binding as an intrinsic property of the fragile X mental retardation protein. <i>Journal of Biological Chemistry</i> , 1998 , 273, 15521-7	5.4	130
26	Cellular Regulation by Ubiquitin-Dependent Processes. <i>Advances in Molecular and Cell Biology</i> , 1998 , 27, 71-104		3
25	The Deubiquitinating Enzymes 1998 , 99-125		33

24	Inhibition of the 26 S proteasome by polyubiquitin chains synthesized to have defined lengths. <i>Journal of Biological Chemistry</i> , 1997 , 272, 23712-21	5.4	183
23	Regulation of ubiquitin-dependent processes by deubiquitinating enzymes. <i>FASEB Journal</i> , 1997 , 11, 1245-56	0.9	503
22	Crystal structure of a deubiquitinating enzyme (human UCH-L3) at 1.8 Å resolution. <i>EMBO Journal</i> , 1997 , 16, 3787-96	13	219
21	Substrate binding and catalysis by ubiquitin C-terminal hydrolases: identification of two active site residues. <i>Biochemistry</i> , 1996 , 35, 6735-44	3.2	176
20	Roles of ubiquitinylation in proteolysis and cellular regulation. <i>Annual Review of Nutrition</i> , 1995 , 15, 161-89	9.9	139
19	Metabolism of the polyubiquitin degradation signal: structure, mechanism, and role of isopeptidase T. <i>Biochemistry</i> , 1995 , 34, 14535-46	3.2	262
18	Comparisons of neuronal (PGP 9.5) and non-neuronal ubiquitin C-terminal hydrolases. <i>Biochemical Society Transactions</i> , 1992 , 20, 631-7	5.1	132
17	Human genes containing polymorphic trinucleotide repeats. <i>Nature Genetics</i> , 1992 , 2, 186-91	36.3	151
16	A specific inhibitor of the ubiquitin activating enzyme: synthesis and characterization of adenosyl-phospho-ubiquitinol, a nonhydrolyzable ubiquitin adenylate analogue. <i>Biochemistry</i> , 1990 , 29, 7373-80	3.2	24
15	Detection and inhibition of ubiquitin-dependent proteolysis. <i>Methods in Enzymology</i> , 1990 , 185, 387-97	1.7	8
14	Ubiquitin carboxyl-terminal hydrolase (PGP 9.5) is selectively present in ubiquitinated inclusion bodies characteristic of human neurodegenerative diseases. <i>Journal of Pathology</i> , 1990 , 161, 153-60	9.4	316
13	Detection, resolution, and nomenclature of multiple ubiquitin carboxyl-terminal esterases from bovine calf thymus. <i>Biochemistry</i> , 1989 , 28, 166-72	3.2	141
12	Racemization of individual aspartate residues in human myelin basic protein. <i>Journal of Neurochemistry</i> , 1988 , 50, 649-54	6	56
11	Purification and Structural Properties of Ubiquitin 1988 , 5-38		19
10	Tryptic peptide mapping of ubiquitin and derivatives using reverse-phase high performance liquid chromatography. <i>Analytical Biochemistry</i> , 1986 , 154, 345-52	3.1	34
9	Alcohol-induced conformational changes of ubiquitin. <i>Archives of Biochemistry and Biophysics</i> , 1986 , 250, 390-9	4.1	94
8	Role of ubiquitin conformations in the specificity of protein degradation: iodinated derivatives with altered conformations and activities. <i>Archives of Biochemistry and Biophysics</i> , 1986 , 250, 400-9	4.1	23
7	Structure and activities of a variant ubiquitin sequence from baker's yeast. <i>Biochemistry</i> , 1986 , 25, 4999-5004	5.04	43

6	Synthesis and characterization of ubiquitin ethyl ester, a new substrate for ubiquitin carboxyl-terminal hydrolase. <i>Biochemistry</i> , 1986 , 25, 6644-9	3.2	62
5	Ubiquitin-dependent proteolysis of native and alkylated bovine serum albumin: effects of protein structure and ATP concentration on selectivity. <i>Biochemistry</i> , 1985 , 24, 2915-23	3.2	36
4	The large scale purification of ubiquitin from human erythrocytes. <i>Preparative Biochemistry and Biotechnology</i> , 1985 , 15, 49-60		42
3	Gentamicin diffusion across hydrogel bandage lenses and its kinetic distribution on the eye. <i>Current Eye Research</i> , 1984 , 3, 977-89	2.9	13
2	The Deubiquitinating Enzymes190		
1	The Deubiquitinating Enzymes190-219		