

# Keith D Wilkinson

## List of Publications by Year in descending order

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95  
papers

15,167  
citations

26630

56  
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48315

88  
g-index

99  
all docs

99  
docs citations

99  
times ranked

12871  
citing authors

#	ARTICLE	IF	CITATIONS
1	The ubiquitin pathway in Parkinson's disease. <i>Nature</i> , 1998, 395, 451-452.	27.8	1,518
2	Regulation and Cellular Roles of Ubiquitin-Specific Deubiquitinating Enzymes. <i>Annual Review of Biochemistry</i> , 2009, 78, 363-397.	11.1	1,216
3	Microarray Identification of FMRP-Associated Brain mRNAs and Altered mRNA Translational Profiles in Fragile X Syndrome. <i>Cell</i> , 2001, 107, 477-487.	28.9	1,033
4	BAP1: a novel ubiquitin hydrolase which binds to the BRCA1 RING finger and enhances BRCA1-mediated cell growth suppression. <i>Oncogene</i> , 1998, 16, 1097-1112.	5.9	636
5	Regulation of ubiquitin-dependent processes by deubiquitinating enzymes. <i>FASEB Journal</i> , 1997, 11, 1245-1256.	0.5	548
6	Chemistry-Based Functional Proteomics Reveals Novel Members of the Deubiquitinating Enzyme Family. <i>Chemistry and Biology</i> , 2002, 9, 1149-1159.	6.0	533
7	Molecular discrimination of structurally equivalent Lys 63-linked and linear polyubiquitin chains. <i>EMBO Reports</i> , 2009, 10, 466-473.	4.5	513
8	Ubiquitination and deubiquitination: Targeting of proteins for degradation by the proteasome. <i>Seminars in Cell and Developmental Biology</i> , 2000, 11, 141-148.	5.0	498
9	A novel active site-directed probe specific for deubiquitylating enzymes reveals proteasome association of USP14. <i>EMBO Journal</i> , 2001, 20, 5187-5196.	7.8	469
10	Substrate Specificity of Deubiquitinating Enzymes: Ubiquitin C-Terminal Hydrolases. <i>Biochemistry</i> , 1998, 37, 3358-3368.	2.5	381
11	Structure and mechanisms of the proteasome-associated deubiquitinating enzyme USP14. <i>EMBO Journal</i> , 2005, 24, 3747-3756.	7.8	359
12	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, 153-160.	4.5	348
13	BRCA1-Associated Protein-1 Is a Tumor Suppressor that Requires Deubiquitinating Activity and Nuclear Localization. <i>Cancer Research</i> , 2008, 68, 6953-6962.	0.9	300
14	Metabolism of the polyubiquitin degradation signal: structure, mechanism, and role of isopeptidase T. <i>Biochemistry</i> , 1995, 34, 14535-14546.	2.5	297
15	The Ubiquitin Binding Domain ZnF UBP Recognizes the C-Terminal Diglycine Motif of Unanchored Ubiquitin. <i>Cell</i> , 2006, 124, 1197-1208.	28.9	278
16	Familial Parkinson's Disease-associated L166P Mutation Disrupts DJ-1 Protein Folding and Function. <i>Journal of Biological Chemistry</i> , 2004, 279, 8506-8515.	3.4	253
17	Crystal structure of a deubiquitinating enzyme (human UCH-L3) at 1.8 Å resolution. <i>EMBO Journal</i> , 1997, 16, 3787-3796.	7.8	233
18	Inhibition of the 26 S Proteasome by Polyubiquitin Chains Synthesized to Have Defined Lengths. <i>Journal of Biological Chemistry</i> , 1997, 272, 23712-23721.	3.4	207

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19	Substrate Binding and Catalysis by Ubiquitin C-Terminal Hydrolases: Identification of Two Active Site Residues. <i>Biochemistry</i> , 1996, 35, 6735-6744.	2.5	194
20	Specific and Covalent Targeting of Conjugating and Deconjugating Enzymes of Ubiquitin-Like Proteins. <i>Molecular and Cellular Biology</i> , 2004, 24, 84-95.	2.3	184
21	Identification and Characterization of DEN1, a Deneddylase of the ULP Family. <i>Journal of Biological Chemistry</i> , 2003, 278, 28892-28900.	3.4	170
22	Protein partners of deubiquitinating enzymes. <i>Biochemical Journal</i> , 2008, 414, 161-175.	3.7	161
23	Human genes containing polymorphic trinucleotide repeats. <i>Nature Genetics</i> , 1992, 2, 186-191.	21.4	160
24	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, 28882-28891.	3.4	154
25	Hsp70 Chaperones as Modulators of Prion Life Cycle. <i>Genetics</i> , 2005, 169, 1227-1242.	2.9	153
26	Regulation of proteolysis by human deubiquitinating enzymes. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2014, 1843, 114-128.	4.1	149
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, 15521-15527.	3.4	148
28	Polyubiquitin binding and cross-reactivity in the USP domain deubiquitinase USP21. <i>EMBO Reports</i> , 2011, 12, 350-357.	4.5	147
29	Detection, resolution and nomenclature of multiple ubiquitin carboxyl-terminal esterases from bovine calf thymus. <i>Biochemistry</i> , 1989, 28, 166-172.	2.5	146
30	Roles of Ubiquitylation in Proteolysis and Cellular Regulation. <i>Annual Review of Nutrition</i> , 1995, 15, 161-189.	10.1	146
31	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, 6650-6655.	7.1	146
32	Comparisons of neuronal (PGP 9.5) and non-neuronal ubiquitin C-terminal hydrolases. <i>Biochemical Society Transactions</i> , 1992, 20, 631-637.	3.4	139
33	SUSP1 antagonizes formation of highly SUMO2/3-conjugated species. <i>Journal of Cell Biology</i> , 2006, 174, 939-949.	5.2	131
34	Polyubiquitin Binding and Disassembly By Deubiquitinating Enzymes. <i>Chemical Reviews</i> , 2009, 109, 1495-1508.	47.7	129
35	Evidence for Bidentate Substrate Binding as the Basis for the K48 Linkage Specificity of Otubain 1. <i>Journal of Molecular Biology</i> , 2009, 386, 1011-1023.	4.2	126
36	Characterization of ubiquitin and ubiquitin-like protein isopeptidase activities. <i>Protein Science</i> , 2008, 17, 1035-1043.	7.6	123

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37	Recognition of Polyubiquitin Isoforms by the Multiple Ubiquitin Binding Modules of Isopeptidase T. <i>Journal of Biological Chemistry</i> , 2008, 283, 19581-19592.	3.4	116
38	An Emerging Model for BAP1's Role in Regulating Cell Cycle Progression. <i>Cell Biochemistry and Biophysics</i> , 2011, 60, 3-11.	1.8	109
39	Alcohol-induced conformational changes of ubiquitin. <i>Archives of Biochemistry and Biophysics</i> , 1986, 250, 390-399.	3.0	102
40	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, 52102-52115.	3.4	102
41	DUBs at a glance. <i>Journal of Cell Science</i> , 2009, 122, 2325-2329.	2.0	100
42	Structural Basis for Ubiquitin Recognition by the Otu1 Ovarian Tumor Domain Protein. <i>Journal of Biological Chemistry</i> , 2008, 283, 11038-11049.	3.4	97
43	Nucleolar protein B23/nucleophosmin regulates the vertebrate SUMO pathway through SENP3 and SENP5 proteases. <i>Journal of Cell Biology</i> , 2008, 183, 589-595.	5.2	96
44	Nonhydrolyzable Diubiquitin Analogues Are Inhibitors of Ubiquitin Conjugation and Deconjugation. <i>Biochemistry</i> , 2000, 39, 10001-10010.	2.5	93
45	The discovery of ubiquitin-dependent proteolysis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 15280-15282.	7.1	91
46	Distribution and paralogue specificity of mammalian deSUMOylating enzymes. <i>Biochemical Journal</i> , 2010, 430, 335-344.	3.7	91
47	Proteolytic Processing and Deubiquitinating Activity of Papain-Like Proteases of Human Coronavirus NL63. <i>Journal of Virology</i> , 2007, 81, 6007-6018.	3.4	87
48	Doa1 Is a Cdc48 Adapter That Possesses a Novel Ubiquitin Binding Domain. <i>Molecular and Cellular Biology</i> , 2006, 26, 822-830.	2.3	78
49	Structure of a Complex between Nedd8 and the Ulp/Senp Protease Family Member Den1. <i>Journal of Molecular Biology</i> , 2005, 345, 141-151.	4.2	76
50	Effects of Ubiquitin System Alterations on the Formation and Loss of a Yeast Prion. <i>Journal of Biological Chemistry</i> , 2007, 282, 3004-3013.	3.4	74
51	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, 242-252.	9.7	73
52	Ubiquitin-Dependent Signaling: The Role of Ubiquitination in the Response of Cells to Their Environment.. <i>Journal of Nutrition</i> , 1999, 129, 1933-1936.	2.9	71
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.	1.0	71
54	Wss1 metalloprotease partners with Cdc48/Doa1 in processing genotoxic SUMO conjugates. <i>ELife</i> , 2015, 4, .	6.0	67

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55	Synthesis and characterization of ubiquitin ethyl ester, a new substrate for ubiquitin carboxyl-terminal hydrolase. <i>Biochemistry</i> , 1986, 25, 6644-6649.	2.5	64
56	Prions, Chaperones, and Proteostasis in Yeast. <i>Cold Spring Harbor Perspectives in Biology</i> , 2017, 9, a023663.	5.5	63
57	Quantitative Analysis of Protein-Protein Interactions. , 2004, 261, 015-032.		59
58	Positional-scanning fluorogenic substrate libraries reveal unexpected specificity determinants of DUBs (deubiquitinating enzymes). <i>Biochemical Journal</i> , 2008, 415, 367-375.	3.7	59
59	Racemization of Individual Aspartate Residues in Human Myelin Basic Protein. <i>Journal of Neurochemistry</i> , 1988, 50, 649-654.	3.9	58
60	Physiological and environmental control of yeast prions. <i>FEMS Microbiology Reviews</i> , 2014, 38, 326-344.	8.6	55
61	Structure and recognition of polyubiquitin chains of different lengths and linkage. <i>F1000 Biology Reports</i> , 2011, 3, 26.	4.0	54
62	<i>Burkholderia mallei</i> tssM Encodes a Putative Deubiquitinase That Is Secreted and Expressed inside Infected RAW 264.7 Murine Macrophages. <i>Infection and Immunity</i> , 2009, 77, 1636-1648.	2.2	53
63	Two ZnF-UBP Domains in Isopeptidase T (USP5). <i>Biochemistry</i> , 2012, 51, 1188-1198.	2.5	49
64	Aspirin, ubiquitin and cancer. <i>Nature</i> , 2003, 424, 738-739.	27.8	48
65	The Deubiquitinating Enzymes. , 1998, , 99-125.		46
66	Structure and activities of a variant ubiquitin sequence from bakers' yeast. <i>Biochemistry</i> , 1986, 25, 4999-5004.	2.5	45
67	The Large Scale Purification of Ubiquitin from Human Erythrocytes. <i>Preparative Biochemistry and Biotechnology</i> , 1985, 15, 49-60.	0.5	44
68	Identification of a Novel 29-Linked Polyubiquitin Binding Protein, Ufd3, Using Polyubiquitin Chain Analogues. <i>Biochemistry</i> , 2004, 43, 4844-4854.	2.5	44
69	Yeast Short-Lived Actin-Associated Protein Forms a Metastable Prion in Response to Thermal Stress. <i>Cell Reports</i> , 2017, 18, 751-761.	6.4	43
70	Divergent N-terminal Sequences of a Deubiquitinating Enzyme Modulate Substrate Specificity. <i>Journal of Biological Chemistry</i> , 2001, 276, 20357-20363.	3.4	41
71	Ubiquitin-dependent proteolysis of native and alkylated bovine serum albumin: effects of protein structure and ATP concentration on selectivity. <i>Biochemistry</i> , 1985, 24, 2915-2923.	2.5	39
72	Tryptic peptide mapping of ubiquitin and derivatives using reverse-phase high performance liquid chromatography. <i>Analytical Biochemistry</i> , 1986, 154, 345-352.	2.4	38

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73	BAP1 is phosphorylated at serine 592 in Sâ€phase following DNA damage. FEBS Letters, 2013, 587, 3906-3911.	2.8	37
74	Modulating huntingtin half-life alters polyglutamine-dependent aggregate formation and cell toxicity. Journal of Neurochemistry, 2004, 89, 962-973.	3.9	32
75	The ubiquitin signal: assembly, recognition and termination. EMBO Reports, 2005, 6, 815-820.	4.5	31
76	A specific inhibitor of the ubiquitin activating enzyme: synthesis and characterization of adenosyl-phospho-ubiquitinol, a nonhydrolyzable ubiquitin adenylate analog. Biochemistry, 1990, 29, 7373-7380.	2.5	30
77	Stress-dependent Proteolytic Processing of the Actin Assembly Protein Lsb1 Modulates a Yeast Prion. Journal of Biological Chemistry, 2014, 289, 27625-27639.	3.4	29
78	Role of ubiquitin conformations in the specificity of protein degradation: Iodinated derivatives with altered conformations and activities. Archives of Biochemistry and Biophysics, 1986, 250, 400-409.	3.0	24
79	Purification and Structural Properties of Ubiquitin. , 1988, , 5-38.		23
80	Yeast Models for Amyloids and Prions: Environmental Modulation and Drug Discovery. Molecules, 2019, 24, 3388.	3.8	22
81	Essay. Cell, 2004, 119, 741-745.	28.9	21
82	Prion-based memory of heat stress in yeast. Prion, 2017, 11, 151-161.	1.8	21
83	Identification and Developmental Expression of Xenopus laevis SUMO Proteases. PLoS ONE, 2009, 4, e8462.	2.5	17
84	Deubiquitinating Enzyme Purification, Assay Inhibitors, and Characterization. , 2005, 301, 207-220.		16
85	Gentamicin diffusion across hydrogel bandage lenses and its kinetic distribution on the eye. Current Eye Research, 1984, 3, 977-989.	1.5	14
86	[32] Detection and inhibition of ubiquitin-dependent proteolysis. Methods in Enzymology, 1990, 185, 387-397.	1.0	10
87	OTU takes the chains OUT. Nature Chemical Biology, 2008, 4, 227-228.	8.0	4
88	Aggregation and Prion-Inducing Properties of the G-Protein Gamma Subunit Ste18 are Regulated by Membrane Association. International Journal of Molecular Sciences, 2020, 21, 5038.	4.1	4
89	Cellular Regulation by Ubiquitin-Dependent Processes. Advances in Molecular and Cell Biology, 1998, 27, 71-104.	0.1	3
90	Molecular discrimination of structurally equivalent Lys 63â€linked and linear polyubiquitin chains. EMBO Reports, 2009, 10, 662-662.	4.5	3

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91	Specificity of Ubiquitin-Binding Proteins: Recognition of Different Faces of Ubiquitin. Israel Journal of Chemistry, 2006, 46, 159-169.	2.3	1
92	The Deubiquitinating Enzymes. , 2005, , 190-219.		0
93	Cecile Pickart 1954â€“2006. Cell, 2006, 125, 635-637.	28.9	0
94	Paralog specificity of mammalian SENPs for SUMOâ€“1 and SUMOâ€“2. FASEB Journal, 2008, 22, 604.1.	0.5	0
95	Prion formation in yeast is influenced by alterations of the ubiquitin proteolysis. FASEB Journal, 2008, 22, 604.2.	0.5	0