

# Simon S Wing

## List of Publications by Year in descending order

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57  
papers

3,483  
citations

147801

31  
h-index

155660

55  
g-index

57  
all docs

57  
docs citations

57  
times ranked

4350  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Tyrosine Kinase Negative Regulator c-Cbl as a RING-Type, E2-Dependent Ubiquitin-Protein Ligase. <i>Science</i> , 1999, 286, 309-312.	12.6	963
2	Endocrine regulation of protein breakdown in skeletal muscle. <i>Diabetes/metabolism Reviews</i> , 1988, 4, 751-772.	0.3	175
3	Deubiquitinating enzymes—the importance of driving in reverse along the ubiquitin—proteasome pathway. <i>International Journal of Biochemistry and Cell Biology</i> , 2003, 35, 590-605.	2.8	169
4	Characterization of E3 Histone , a Novel Testis Ubiquitin Protein Ligase Which Ubiquitinates Histones. <i>Molecular and Cellular Biology</i> , 2005, 25, 2819-2831.	2.3	126
5	The ubiquitin proteasome system in atrophying skeletal muscle: roles and regulation. <i>American Journal of Physiology - Cell Physiology</i> , 2016, 311, C392-C403.	4.6	117
6	BH3-ligand regulates access of MCL-1 to its E3 ligase. <i>FEBS Letters</i> , 2005, 579, 5603-5608.	2.8	102
7	Poly(A) binding protein (PABP) homeostasis is mediated by the stability of its inhibitor, Paip2. <i>EMBO Journal</i> , 2006, 25, 1934-1944.	7.8	98
8	USP19 Deubiquitinating Enzyme Supports Cell Proliferation by Stabilizing KPC1, a Ubiquitin Ligase for p27 <sup>Kip1</sup> . <i>Molecular and Cellular Biology</i> , 2009, 29, 547-558.	2.3	89
9	S-Nitrosylation of IRP2 Regulates Its Stability via the Ubiquitin-Proteasome Pathway. <i>Molecular and Cellular Biology</i> , 2004, 24, 330-337.	2.3	85
10	USP19 is a ubiquitin-specific protease regulated in rat skeletal muscle during catabolic states. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2005, 288, E693-E700.	3.5	84
11	A central role for ubiquitination within a circadian clock protein modification code. <i>Frontiers in Molecular Neuroscience</i> , 2014, 7, 69.	2.9	79
12	Divergent N-Terminal Sequences Target an Inducible Testis Deubiquitinating Enzyme to Distinct Subcellular Structures. <i>Molecular and Cellular Biology</i> , 2000, 20, 6568-6578.	2.3	68
13	Ubiquitin—Proteasome System in Spermatogenesis. <i>Advances in Experimental Medicine and Biology</i> , 2014, 759, 181-213.	1.6	65
14	Mice Lacking the USP2 Deubiquitinating Enzyme Have Severe Male Subfertility Associated with Defects in Fertilization and Sperm Motility. <i>Biology of Reproduction</i> , 2011, 85, 594-604.	2.7	64
15	Ataxin-3 Deubiquitination Is Coupled to Parkin Ubiquitination via E2 Ubiquitin-conjugating Enzyme. <i>Journal of Biological Chemistry</i> , 2012, 287, 531-541.	3.4	64
16	Proteolysis in illness-associated skeletal muscle atrophy: from pathways to networks. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2011, 48, 49-70.	6.1	62
17	The AMPK agonist 5-aminoimidazole-4-carboxamide ribonucleotide (AICAR), but not metformin, prevents inflammation-associated cachectic muscle wasting. <i>EMBO Molecular Medicine</i> , 2018, 10, .	6.9	58
18	Activation of a UBC4-Dependent Pathway of Ubiquitin Conjugation during Postnatal Development of the Rat Testis. <i>Developmental Biology</i> , 1999, 212, 217-228.	2.0	53

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19	Insulin-like growth factor I stimulates degradation of an mRNA transcript encoding the 14 kDa ubiquitin-conjugating enzyme. <i>Biochemical Journal</i> , 1996, 319, 455-461.	3.7	50
20	Regulated expression of the ubiquitin protein ligase, E3<sup>Histone</sup>/LASU1/Mule/ARF&#x2013;BP1/HUWE1, during spermatogenesis. <i>Developmental Dynamics</i> , 2007, 236, 2889-2898.	1.8	45
21	The UPS in diabetes and obesity. <i>BMC Biochemistry</i> , 2008, 9, S6.	4.4	45
22	Divergent N-terminal Sequences of a Deubiquitinating Enzyme Modulate Substrate Specificity. <i>Journal of Biological Chemistry</i> , 2001, 276, 20357-20363.	3.4	41
23	Mechanisms Involved in 3&#x2013;5&#x2013;Cyclic Adenosine Monophosphate-Mediated Inhibition of the Ubiquitin-Proteasome System in Skeletal Muscle. <i>Endocrinology</i> , 2009, 150, 5395-5404.	2.8	41
24	USP19-deubiquitinating enzyme regulates levels of major myofibrillar proteins in L6 muscle cells. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009, 297, E1283-E1290.	3.5	40
25	Regulation of behavioral circadian rhythms and clock protein PER1 by the deubiquitinating enzyme USP2. <i>Biology Open</i> , 2012, 1, 789-801.	1.2	38
26	Inactivation of the ubiquitin-specific protease 19 deubiquitinating enzyme protects against muscle wasting. <i>FASEB Journal</i> , 2015, 29, 3889-3898.	0.5	38
27	Control of ubiquitination of proteins in rat tissues by ubiquitin conjugating enzymes and isopeptidases. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2002, 282, E739-E745.	3.5	36
28	USP19 deubiquitinating enzyme inhibits muscle cell differentiation by suppressing unfolded-protein response signaling. <i>Molecular Biology of the Cell</i> , 2015, 26, 913-923.	2.1	36
29	Targeting Protein Synthesis in a Myc/mTOR-Driven Model of Anorexia-Cachexia Syndrome Delays Its Onset and Prolongs Survival. <i>Cancer Research</i> , 2012, 72, 747-756.	0.9	34
30	Control of ubiquitination in skeletal muscle wasting. <i>International Journal of Biochemistry and Cell Biology</i> , 2005, 37, 2075-2087.	2.8	33
31	Expression of the Ubiquitin Proteasome System in Neonatal Rat Gonocytes and Spermatogonia: Role in Gonocyte Differentiation1. <i>Biology of Reproduction</i> , 2012, 87, 44.	2.7	33
32	USP2 Regulates the Intracellular Localization of PER1 and Circadian Gene Expression. <i>Journal of Biological Rhythms</i> , 2014, 29, 243-256.	2.6	32
33	Preparathyroid Hormone-related Protein, a Secreted Peptide, Is a Substrate for the Ubiquitin Proteolytic System. <i>Journal of Biological Chemistry</i> , 1997, 272, 6706-6713.	3.4	30
34	Deubiquitinases in skeletal muscle atrophy. <i>International Journal of Biochemistry and Cell Biology</i> , 2013, 45, 2130-2135.	2.8	30
35	A New Method of Purification of Proteasome Substrates Reveals Polyubiquitination of 20 S Proteasome Subunits*. <i>Journal of Biological Chemistry</i> , 2007, 282, 5302-5309.	3.4	28
36	Ubiquitin-conjugating enzyme E214k/HR6B is dispensable for increased protein catabolism in muscle of fasted mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2002, 283, E482-E489.	3.5	27

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37	Identification of Distinctive Patterns of USP19-Mediated Growth Regulation in Normal and Malignant Cells. PLoS ONE, 2011, 6, e15936.	2.5	25
38	Effect of heart failure on the regulation of skeletal muscle protein synthesis, breakdown, and apoptosis. American Journal of Physiology - Endocrinology and Metabolism, 2003, 284, E1001-E1008.	3.5	22
39	Mice Lacking the UBC4-testis Gene Have a Delay in Postnatal Testis Development but Normal Spermatogenesis and Fertility. Molecular and Cellular Biology, 2005, 25, 6346-6354.	2.3	22
40	Deubiquitinating enzymes in skeletal muscle atrophy—An essential role for USP19. International Journal of Biochemistry and Cell Biology, 2016, 79, 462-468.	2.8	22
41	Huwe1 Regulates the Establishment and Maintenance of Spermatogonia by Suppressing DNA Damage Response. Endocrinology, 2017, 158, 4000-4016.	2.8	21
42	Characterization of Rat100, a 300-Kilodalton Ubiquitin-Protein Ligase Induced in Germ Cells of the Rat Testis and Similar to the Drosophila Hyperplastic Discs Gene. Endocrinology, 2002, 143, 3740-3747.	2.8	20
43	Complement modulates the function of the ubiquitin-proteasome system and endoplasmic reticulum-associated degradation in glomerular epithelial cells. Biochimica Et Biophysica Acta - Molecular Cell Research, 2012, 1823, 1007-1016.	4.1	20
44	Fed-state clamp stimulates cellular mechanisms of muscle protein anabolism and modulates glucose disposal in normal men. American Journal of Physiology - Endocrinology and Metabolism, 2009, 296, E105-E113.	3.5	19
45	The business of deubiquitination — location, location, location. F1000Research, 2016, 5, 163.	1.6	18
46	Ubiquitin Ligase Huwe1 Modulates Spermatogenesis by Regulating Spermatogonial Differentiation and Entry into Meiosis. Scientific Reports, 2017, 7, 17759.	3.3	17
47	The deubiquitinating enzyme USP19 modulates adipogenesis and potentiates high-fat-diet-induced obesity and glucose intolerance in mice. Diabetologia, 2019, 62, 136-146.	6.3	17
48	Identification of Amino Acid Residues in a Class I Ubiquitin-conjugating Enzyme Involved in Determining Specificity of Conjugation of Ubiquitin to Proteins. Journal of Biological Chemistry, 1998, 273, 18435-18442.	3.4	14
49	Role of the deubiquitinating enzyme ubiquitin-specific protease-14 in proteostasis in renal cells. American Journal of Physiology - Renal Physiology, 2016, 311, F1035-F1046.	2.7	14
50	Interactions of the super complexes: When mTORC1 meets the proteasome. International Journal of Biochemistry and Cell Biology, 2019, 117, 105638.	2.8	14
51	Association of Low Muscle Mass With Cognitive Function During a 3-Year Follow-up Among Adults Aged 65 to 86 Years in the Canadian Longitudinal Study on Aging. JAMA Network Open, 2022, 5, e2219926.	5.9	13
52	Knockout of USP19 Deubiquitinating Enzyme Prevents Muscle Wasting by Modulating Insulin and Glucocorticoid Signaling. Endocrinology, 2018, 159, 2966-2977.	2.8	11
53	Identification of Rabbit Reticulocyte E217K as a UBC7 Homologue and Functional Characterization of Its Core Domain Loop. Journal of Biological Chemistry, 1999, 274, 14685-14691.	3.4	9
54	A proinflammatory tumor that activates protein degradation sensitizes rats to catabolic effects of endotoxin. American Journal of Physiology - Endocrinology and Metabolism, 2005, 289, E527-E533.	3.5	6

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55	Proteolysis ~ A master regulator in health and disease. International Journal of Biochemistry and Cell Biology, 2016, 79, 402.	2.8	1
56	Mechanisms involved in cAMP mediated inhibition of the Ubiquitin~Proteasome system. FASEB Journal, 2008, 22, 962.5.	0.5	0
57	Skeletal muscle PI3K/Akt signaling and ubiquitin~related enzyme mRNA expression in lung cancer cachexia. FASEB Journal, 2011, 25, 1059.21.	0.5	0