

Stefan MÃ¼ller

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

6,466
citations

109321

35
h-index

128289

60
g-index

62
all docs

62
docs citations

62
times ranked

8451
citing authors

#	ARTICLE	IF	CITATIONS
1	Papain-like protease regulates SARS-CoV-2 viral spread and innate immunity. <i>Nature</i> , 2020, 587, 657-662.	27.8	818
2	Sumo, ubiquitin's mysterious cousin. <i>Nature Reviews Molecular Cell Biology</i> , 2001, 2, 202-210.	37.0	685
3	Members of the PIAS family act as SUMO ligases for c-Jun and p53 and repress p53 activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 2872-2877.	7.1	398
4	c-Jun and p53 Activity Is Modulated by SUMO-1 Modification. <i>Journal of Biological Chemistry</i> , 2000, 275, 13321-13329.	3.4	352
5	Full length RTN3 regulates turnover of tubular endoplasmic reticulum via selective autophagy. <i>ELife</i> , 2017, 6, .	6.0	319
6	HdmX stimulates Hdm2-mediated ubiquitination and degradation of p53. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 12009-12014.	7.1	318
7	Phosducin is a protein kinase A-regulated G-protein regulator. <i>Nature</i> , 1992, 358, 73-76.	27.8	289
8	The SUMO E3 ligase RanBP2 promotes modification of the HDAC4 deacetylase. <i>EMBO Journal</i> , 2002, 21, 2682-2691.	7.8	284
9	SUMO: a regulator of gene expression and genome integrity. <i>Oncogene</i> , 2004, 23, 1998-2008.	5.9	259
10	SUMO-specific proteases/isopeptidases: SENPs and beyond. <i>Genome Biology</i> , 2014, 15, 422.	8.8	174
11	Down-Regulation of c-Fos/c-Jun AP-1 Dimer Activity by Sumoylation. <i>Molecular and Cellular Biology</i> , 2005, 25, 6964-6979.	2.3	172
12	SUMO-specific proteases and isopeptidases of the SENP family at a glance. <i>Journal of Cell Science</i> , 2018, 131, .	2.0	162
13	The nucleolar SUMO-specific protease SENP3 reverses SUMO modification of nucleophosmin and is required for rRNA processing. <i>EMBO Reports</i> , 2008, 9, 273-279.	4.5	141
14	Phospho-Regulated SUMO Interaction Modules Connect the SUMO System to CK2 Signaling. <i>Molecular Cell</i> , 2009, 33, 400-409.	9.7	132
15	Regulation of adenine nucleotide translocase and glycerol 3-phosphate dehydrogenase expression by thyroid hormones in different rat tissues. <i>Biochemical Journal</i> , 1996, 317, 913-918.	3.7	115
16	RanBP2 and SENP3 Function in a Mitotic SUMO2/3 Conjugation-Deconjugation Cycle on Borealin. <i>Molecular Biology of the Cell</i> , 2009, 20, 410-418.	2.1	106
17	The SUMO system controls nucleolar partitioning of a novel mammalian ribosome biogenesis complex. <i>EMBO Journal</i> , 2011, 30, 1067-1078.	7.8	105
18	Regulation of Pax3 transcriptional activity by SUMO-1-modified PML. <i>Oncogene</i> , 2001, 20, 1-9.	5.9	103

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19	Viral oncoproteins E1A and E7 and cellular LxCxE proteins repress SUMO modification of the retinoblastoma tumor suppressor. <i>Oncogene</i> , 2005, 24, 3810-3818.	5.9	91
20	The Ubiquitin-Like SUMO System and Heart Function. <i>Circulation Research</i> , 2016, 118, 132-144.	4.5	86
21	An Acetylation Switch Regulates SUMO-Dependent Protein Interaction Networks. <i>Molecular Cell</i> , 2012, 46, 759-770.	9.7	77
22	Synergy of glucose and growth hormone signalling in islet cells through ICA512 and STAT5. <i>Nature Cell Biology</i> , 2006, 8, 435-445.	10.3	74
23	Regulation of p53 family members by the ubiquitin-like SUMO system. <i>DNA Repair</i> , 2009, 8, 491-498.	2.8	73
24	The Nuclear SUMO-Targeted Ubiquitin Quality Control Network Regulates the Dynamics of Cytoplasmic Stress Granules. <i>Molecular Cell</i> , 2020, 79, 54-67.e7.	9.7	73
25	Nuclear translocation of an ICA512 cytosolic fragment couples granule exocytosis and insulin expression in β -cells. <i>Journal of Cell Biology</i> , 2004, 167, 1063-1074.	5.2	70
26	Multiplex image-based autophagy RNAi screening identifies SMCR8 as ULK1 kinase activity and gene expression regulator. <i>ELife</i> , 2017, 6, .	6.0	70
27	Sumoylation of poly(ADP-ribose) polymerase 1 inhibits its acetylation and restrains transcriptional coactivator function. <i>FASEB Journal</i> , 2009, 23, 3978-3989.	0.5	66
28	The SUMO system: a master organizer of nuclear protein assemblies. <i>Chromosoma</i> , 2013, 122, 475-485.	2.2	65
29	SUMO pathway inhibition targets an aggressive pancreatic cancer subtype. <i>Gut</i> , 2020, 69, 1472-1482.	12.1	61
30	SUMO routes ribosome maturation. <i>Nucleus</i> , 2011, 2, 527-532.	2.2	60
31	The SUMO-Specific Isopeptidase SENP3 Regulates MLL1/MLL2 Methyltransferase Complexes and Controls Osteogenic Differentiation. <i>Molecular Cell</i> , 2014, 55, 47-58.	9.7	58
32	The adenovirus E1B-55K oncoprotein induces SUMO modification of p53. <i>Cell Cycle</i> , 2008, 7, 754-758.	2.6	50
33	The AAA ATPase MDN1 Acts as a SUMO-Targeted Regulator in Mammalian Pre-ribosome Remodeling. <i>Molecular Cell</i> , 2016, 64, 607-615.	9.7	48
34	PML, SUMO, and RNF4: Guardians of Nuclear Protein Quality. <i>Molecular Cell</i> , 2014, 55, 1-3.	9.7	47
35	The SUMO Isopeptidase SENP6 Functions as a Rheostat of Chromatin Residency in Genome Maintenance and Chromosome Dynamics. <i>Cell Reports</i> , 2019, 29, 480-494.e5.	6.4	45
36	SUMO: Glue or Solvent for Phase-Separated Ribonucleoprotein Complexes and Molecular Condensates?. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 673038.	3.5	37

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37	SUMO Signaling by Hypoxic Inactivation of SUMO-Specific Isopeptidases. <i>Cell Reports</i> , 2016, 16, 3075-3086.	6.4	36
38	mTOR Signaling Regulates Nucleolar Targeting of the SUMO-Specific Isopeptidase SENP3. <i>Molecular and Cellular Biology</i> , 2014, 34, 4474-4484.	2.3	30
39	Site-specific inhibition of the small ubiquitin-like modifier (SUMO)-conjugating enzyme Ubc9 selectively impairs SUMO chain formation. <i>Journal of Biological Chemistry</i> , 2017, 292, 15340-15351.	3.4	28
40	SUMO Chains Rule on Chromatin Occupancy. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 343.	3.7	27
41	Can widely used cell type markers predict the suitability of immortalized or primary mammary epithelial cell models?. <i>Biological Research</i> , 2016, 49, 1.	3.4	25
42	Vitamin K antagonism impairs the bone marrow microenvironment and hematopoiesis. <i>Blood</i> , 2019, 134, 227-238.	1.4	23
43	Acetylation of SUMO 2 at lysine 11 favors the formation of non-canonical SUMO chains. <i>EMBO Reports</i> , 2018, 19, .	4.5	22
44	Activated SUMOylation restricts MHC class I antigen presentation to confer immune evasion in cancer. <i>Journal of Clinical Investigation</i> , 2022, 132, .	8.2	22
45	Shared and unique properties of ubiquitin and SUMO interaction networks in DNA repair. <i>Genes and Development</i> , 2011, 25, 1763-1769.	5.9	20
46	Interaction of the developmental regulator SALL1 with UBE2I and SUMO-1. <i>Biochemical and Biophysical Research Communications</i> , 2002, 296, 870-876.	2.1	19
47	Genetic alterations of the SUMO isopeptidase SENP6 drive lymphomagenesis and genetic instability in diffuse large B-cell lymphoma. <i>Nature Communications</i> , 2022, 13, 281.	12.8	18
48	Safety and efficacy of vorinostat, bortezomib, doxorubicin and dexamethasone in a phase I/II study for relapsed or refractory multiple myeloma (VERUMM study: vorinostat in elderly, relapsed and unfit) <i>TJ ETQq0 0 0 rgBT/Overload 10 Tf 50</i>		
49	Flightless-I governs cell fate by recruiting the SUMO isopeptidase SENP3 to distinct HOX genes. <i>Epigenetics and Chromatin</i> , 2017, 10, 15.	3.9	12
50	Profiling the Murine SUMO Proteome in Response to Cardiac Ischemia and Reperfusion Injury. <i>Molecules</i> , 2020, 25, 5571.	3.8	12
51	SUMO-specific Isopeptidases Tuning Cardiac SUMOylation in Health and Disease. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 786136.	3.5	12
52	Effect of bupivacaine and adjuvant drugs for regional anesthesia on nerve tissue oximetry and nerve blood flow. <i>Journal of Pain Research</i> , 2018, Volume 11, 227-235.	2.0	10
53	A Tale of Usurpation and Subversion: SUMO-Dependent Integrity of Promyelocytic Leukemia Nuclear Bodies at the Crossroad of Infection and Immunity. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 696234.	3.7	10
54	Identification of a gene in <i>Leishmania infantum</i> encoding a protein that contains a SP-RING/MIZ zinc finger domain. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2003, 1629, 44-52.	2.4	9

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55	Assays of SUMO protease/isopeptidase activity and function in mammalian cells and tissues. <i>Methods in Enzymology</i> , 2019, 618, 389-410.	1.0	7
56	Regulatory Functions of Ubiquitin and SUMO in DNA Repair Pathways. <i>Sub-Cellular Biochemistry</i> , 2010, 54, 184-194.	2.4	7
57	Surveillance of nucleolar homeostasis and ribosome maturation by autophagy and the ubiquitin-proteasome system. <i>Matrix Biology</i> , 2021, 100-101, 30-38.	3.6	5
58	Identification and Characterization of SUMO-SIM Interactions. <i>Methods in Molecular Biology</i> , 2016, 1475, 79-98.	0.9	4
59	Inhibition of MLL1 histone methyltransferase brings the developmental clock back to naïve pluripotency. <i>Stem Cell Investigation</i> , 2016, 3, 58-58.	3.0	3
60	Managing stress granule disassembly with ubiquitin and its cousin. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 391.	17.1	1