Simona L Polo

List of Publications by Year
in descending order

78	7,995	57631 44	79541 73
papers	citations	h-index	g-index

81	81	81	9554
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Recurrent Spliceosome Mutations in Cancer: Mechanisms and Consequences of Aberrant Splice Site Selection. Cancers, 2022, 14, 281.	1.7	3
2	The NEDD4 ubiquitin E3 ligase: a snapshot view of its functional activity and regulation. Biochemical Society Transactions, 2022, 50, 473-485.	1.6	7
3	Myosin VI regulates ciliogenesis by promoting the turnover of the centrosomal/satellite protein OFD1. EMBO Reports, 2022, 23, e54160.	2.0	7
4	Myomics: myosin VI structural and functional plasticity. Current Opinion in Structural Biology, 2021, 67, 33-40.	2.6	16
5	The prolyl-isomerase PIN1 is essential for nuclear Lamin-B structure and function and protects heterochromatin under mechanical stress. Cell Reports, 2021, 36, 109694.	2.9	15
6	Hecw controls oogenesis and neuronal homeostasis by promoting the liquid state of ribonucleoprotein particles. Nature Communications, 2021, 12, 5488.	5.8	7
7	USP25 Regulates EGFR Fate by Modulating EGF-Induced Ubiquitylation Dynamics. Biomolecules, 2020, 10, 1548.	1.8	8
8	Listeria monocytogenes Exploits Host Caveolin for Cell-to-Cell Spreading. MBio, 2020, 11, .	1.8	11
9	CoCUN, a Novel Ubiquitin Binding Domain Identified in N4BP1. Biomolecules, 2019, 9, 284.	1.8	12
10	Myosin VI Drives Clathrin-Mediated AMPA Receptor Endocytosis to Facilitate Cerebellar Long-Term Depression. Cell Reports, 2019, 28, 11-20.e9.	2.9	15
11	Clathrin light chain A drives selective myosin VI recruitment to clathrin-coated pits under membrane tension. Nature Communications, 2019, 10, 4974.	5.8	38
12	Selectivity of the CUBAN domain in the recognition of ubiquitin and NEDD8. FEBS Journal, 2019, 286, 653-677.	2.2	22
13	Molecularly Distinct Clathrin-Coated Pits Differentially Impact EGFR Fate and Signaling. Cell Reports, 2019, 27, 3049-3061.e6.	2.9	58
14	A Highly Luminescent Tetrahydrocurcumin Ir^{III} Complex with Remarkable Photoactivated Anticancer Activity. Chemistry - A European Journal, 2019, 25, 7948-7952.	1.7	32
15	HECT E3 Ligases: A Tale With Multiple Facets. Frontiers in Physiology, 2019, 10, 370.	1.3	103
16	Detection of ubiquitinated targets in mammalian and Drosophila models. Methods in Enzymology, 2019, 619, 293-318.	0.4	2
17	When ubiquitin meets E-cadherin: Plasticity of the epithelial cellular barrier. Seminars in Cell and Developmental Biology, 2019, 93, 136-144.	2.3	19
18	Î²-Sheet Augmentation Is a Conserved Mechanism of Priming HECT E3 Ligases for Ubiquitin Ligation. Journal of Molecular Biology, 2018, 430, 3218-3233.	2.0	23

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19	Desmoplakin maintains gap junctions by inhibiting Ras/MAPK and lysosomal degradation of connexin-43. Journal of Cell Biology, 2018, 217, 3219-3235.	2.3	41
20	<scp>HUWE</scp> 1 is a critical colonic tumour suppressor gene that prevents <scp>MYC</scp> signalling, <scp>DNA</scp> damage accumulation and tumour initiation. EMBO Molecular Medicine, 2017, 9, 181-197.	3.3	63
21	Reticulon 3â€“dependent ER-PM contact sites control EGFR nonclathrin endocytosis. Science, 2017, 356, 617-624.	6.0	118
22	Targeting <scp>HECT</scp>â€type E3 ligases â€“ insights from catalysis, regulation and inhibitors. FEBS Letters, 2017, 591, 2636-2647.	1.3	55
23	In Vitro Ubiquitination: Self-Ubiquitination, Chain Formation, and Substrate Ubiquitination Assays. Methods in Molecular Biology, 2016, 1449, 153-160.	0.4	10
24	Strategies to Detect Endogenous Ubiquitination of a Target Mammalian Protein. Methods in Molecular Biology, 2016, 1449, 143-151.	0.4	4
25	Myosin VI Contains a Compact Structural Motif that Binds to Ubiquitin Chains. Cell Reports, 2016, 14, 2683-2694.	2.9	49
26	Diverse functions of myosin VI elucidated by an isoform-specific Î±-helix domain. Nature Structural and Molecular Biology, 2016, 23, 300-308.	3.6	42
27	USP9X Controls EGFR Fate by Deubiquitinating the Endocytic Adaptor Eps15. Current Biology, 2016, 26, 173-183.	1.8	71
28	Quantitative analysis reveals how EGFR activation and downregulation are coupled in normal but not in cancer cells. Nature Communications, 2015, 6, 7999.	5.8	66
29	Endocytosis. , 2015, , 1-6.		0
30	Endocytosis. , 2015, , 1511-1516.		0
31	Keeping EGFR signaling in check. Cell Cycle, 2014, 13, 681-682.	1.3	13
32	Tyrosine phosphorylation of NEDD4 activates its ubiquitin ligase activity. Science Signaling, 2014, 7, ra95.	1.6	76
33	Structural and Functional Framework for the Autoinhibition of Nedd4-Family Ubiquitin Ligases. Structure, 2014, 22, 1639-1649.	1.6	70
34	Nucleoside diphosphate kinases fuel dynamin superfamily proteins with GTP for membrane remodeling. Science, 2014, 344, 1510-1515.	6.0	130
35	Threshold-controlled ubiquitination of the EGFR directs receptor fate. EMBO Journal, 2013, 32, 2140-2157.	3.5	156
36	Molecular Mechanism of Ubiquitin-Dependent Traffic. , 2013, , 191-218.		0

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37	The LXR-IDOL axis defines a clathrin-, caveolae-, and dynamin-independent endocytic route for LDLR internalization and lysosomal degradation. Journal of Lipid Research, 2013, 54, 2174-2184.	2.0	60
38	Structure of a ubiquitin-loaded HECT ligase reveals the molecular basis for catalytic priming. Nature Structural and Molecular Biology, 2013, 20, 696-701.	3.6	146
39	Ubiquitination dynamics in the earlyâ€branching eukaryote G iardia intestinalis. MicrobiologyOpen, 2013, 2, 525-539.	1.2	23
40	A novel ubiquitin mark at the N-terminal tail of histone H2As targeted by RNF168 ubiquitin ligase. Cell Cycle, 2012, 11, 2538-2544.	1.3	141
41	Endocytosis and Signaling: Cell Logistics Shape the Eukaryotic Cell Plan. Physiological Reviews, 2012, 92, 273-366.	13.1	278
42	Signaling-mediated control of ubiquitin ligases in endocytosis. BMC Biology, 2012, 10, 25.	1.7	34
43	USP15 is a deubiquitylating enzyme for receptor-activated SMADs. Nature Cell Biology, 2011, 13, 1368-1375.	4.6	182
44	Proteomic snapshot of the EGFâ€induced ubiquitin network. Molecular Systems Biology, 2011, 7, 462.	3.2	56
45	Structure of the HECT:ubiquitin complex and its role in ubiquitin chain elongation. EMBO Reports, 2011, 12, 342-349.	2.0	146
46	Endocytosis. , 2011, , 1227-1231.		0
47	A two-tiered mechanism of EGFR inhibition by RALT/MIG6 via kinase suppression and receptor degradation. Journal of Cell Biology, 2010, 189, 557-571.	2.3	102
48	Cortactin Promotes Migration and Platelet-derived Growth Factor-induced Actin Reorganization by Signaling to Rho-GTPases. Molecular Biology of the Cell, 2009, 20, 3209-3223.	0.9	102
49	Ubiquitin in trafficking: The network at work. Experimental Cell Research, 2009, 315, 1610-1618.	1.2	176
50	Finding the Right Partner: Science or ART?. Cell, 2008, 135, 590-592.	13.5	32
51	Clathrin-Mediated Internalization Is Essential for Sustained EGFR Signaling but Dispensable for Degradation. Developmental Cell, 2008, 15, 209-219.	3.1	557
52	The ubiquitination code: a signalling problem. Cell Division, 2007, 2, 11.	1.1	105
53	Crystal Structure of the Ubiquitin Binding Domains of Rabex-5 Reveals Two Modes of Interaction with Ubiquitin. Cell, 2006, 124, 1183-1195.	13.5	259
54	Endocytosis Conducts the Cell Signaling Orchestra. Cell, 2006, 124, 897-900.	13.5	245

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55	Molecular mechanisms of coupled monoubiquitination. Nature Cell Biology, 2006, 8, 1246-1254.	4.6	173
56	Signaling from Internalized Receptors. , 2006, , 89-100.		0
57	Abi1 regulates the activity of N-WASP and WAVE in distinct actin-based processes. Nature Cell Biology, 2005, 7, 969-976.	4.6	201
58	N-WASP deficiency impairs EGF internalization and actin assembly at clathrin-coated pits. Journal of Cell Science, 2005, 118, 3103-3115.	1.2	155
59	Deubiquitinating function of ataxin-3: Insights from the solution structure of the Josephin domain. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 12700-12705.	3.3	151
60	Clathrin-independent endocytosis of ubiquitinated cargos. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 2760-2765.	3.3	719
61	Endocytosis and cancer. Current Opinion in Cell Biology, 2004, 16, 156-161.	2.6	101
62	Multiple monoubiquitination of RTKs is sufficient for their endocytosis and degradation. Nature Cell Biology, 2003, 5, 461-466.	4.6	715
63	When ubiquitin meets ubiquitin receptors: a signalling connection. Nature Reviews Molecular Cell Biology, 2003, 4, 491-497.	16.1	278
64	Characterization of Human Constitutive Photomorphogenesis Protein 1, a RING Finger Ubiquitin Ligase That Interacts with Jun Transcription Factors and Modulates Their Transcriptional Activity. Journal of Biological Chemistry, 2003, 278, 19682-19690.	1.6	90
65	Rapid Ca2+-dependent decrease of protein ubiquitination at synapses. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 14908-14913.	3.3	116
66	EH and UIM: Endocytosis and More. Science Signaling, 2003, 2003, re17-re17.	1.6	86
67	Differential Nucleocytoplasmic Trafficking between the Related Endocytic Proteins Eps15 and Eps15R. Journal of Biological Chemistry, 2002, 277, 8941-8948.	1.6	36
68	A single motif responsible for ubiquitin recognition and monoubiquitination in endocytic proteins. Nature, 2002, 416, 451-455.	13.7	592
69	Structural determinants of CCR5 recognition and HIV-1 blockade in RANTES. Nature Structural Biology, 2001, 8, 611-615.	9.7	49
70	Nucleocytoplasmic Shuttling of Endocytic Proteins. Journal of Cell Biology, 2001, 153, 1511-1518.	2.3	94
71	Enhancement of the HIV-1 inhibitory activity of RANTES by modification of the N-terminal region: dissociation from CCR5 activation. European Journal of Immunology, 2000, 30, 3190-3198.	1.6	52
72	Multi-step purification strategy for RANTES wild-type and mutated analogues expressed in a baculovirus system. Biomedical Applications, 2000, 737, 47-54.	1.7	1

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73	Nonproductive Human Immunodeficiency Virus Type 1 Infection of Human Fetal Astrocytes: Independence from CD4 and Major Chemokine Receptors. Virology, 1999, 264, 370-384.	1.1	113
74	Longitudinal analysis of serum chemokine levels in the course of HIV-1 infection. Aids, 1999, 13, 447-454.	1.0	48
75	Translation of Two Nested Genes in Bacteriophage P4 Controls Immunity-Specific Transcription Termination. Journal of Bacteriology, 1999, 181, 5225-5233.	1.0	17
76	Identification of two linear plasmids in the actinomycete Planobispora rosea. Microbiology (United) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.7	19
77	Câ€“C Chemokines Released by Lipopolysaccharide (LPS)-stimulated Human Macrophages Suppress HIV-1 Infection in Both Macrophages and T Cells. Journal of Experimental Medicine, 1997, 185, 805-816.	4.2	160
78	Identification of a Phage-coded DNA-binding Protein that Regulates Transcription from Late Promoters in Bacteriophage P4. Journal of Molecular Biology, 1996, 257, 745-755.	2.0	19