Jörn Dengjel

List of Publications by Year in descending order

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47006 29157 11,642 132 47 104 citations h-index g-index papers 135 135 135 21867 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	9.1	3,122
2	Cardioprotection and lifespan extension by the natural polyamine spermidine. Nature Medicine, 2016, 22, 1428-1438.	30.7	801
3	mTOR inhibits autophagy by controlling ULK1 ubiquitylation, self-association and function throughÂAMBRA1 and TRAF6. Nature Cell Biology, 2013, 15, 406-416.	10.3	662
4	Autophagy promotes MHC class II presentation of peptides from intracellular source proteins. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 7922-7927.	7.1	573
5	Matrix Protein 2 of Influenza A Virus Blocks Autophagosome Fusion with Lysosomes. Cell Host and Microbe, 2009, 6, 367-380.	11.0	454
6	Nucleocytosolic Depletion of the Energy Metabolite Acetyl-Coenzyme A Stimulates Autophagy and Prolongs Lifespan. Cell Metabolism, 2014, 19, 431-444.	16.2	221
7	Sorafenib promotes graft-versus-leukemia activity in mice and humans through IL-15 production in FLT3-ITD-mutant leukemia cells. Nature Medicine, 2018, 24, 282-291.	30.7	216
8	AMBRA1 links autophagy to cell proliferation and tumorigenesis by promoting c-Myc dephosphorylation and degradation. Nature Cell Biology, 2015, 17, 20-30.	10.3	200
9	HUWE1 E3 ligase promotes PINK1/PARKIN-independent mitophagy by regulating AMBRA1 activation via IKKα. Nature Communications, 2018, 9, 3755.	12.8	198
10	Staphylococcus aureus Deficient in Lipidation of Prelipoproteins Is Attenuated in Growth and Immune Activation. Infection and Immunity, 2005, 73, 2411-2423.	2.2	195
11	Autophagy proteins stabilize pathogen-containing phagosomes for prolonged MHC II antigen processing. Journal of Cell Biology, 2013, 203, 757-766.	5.2	172
12	Guidelines and recommendations on yeast cell death nomenclature. Microbial Cell, 2018, 5, 4-31.	3.2	158
13	The Ca2+-Dependent Release of the Mia40-Induced MICU1-MICU2 Dimer from MCU Regulates Mitochondrial Ca2+ Uptake. Cell Metabolism, 2015, 22, 721-733.	16.2	154
14	Losartan ameliorates dystrophic epidermolysis bullosa and uncovers new disease mechanisms. EMBO Molecular Medicine, 2015, 7, 1211-1228.	6.9	145
15	Control of <scp>RAB</scp> 7 activity and localization through the retromerâ€₹BC1D5 complex enables <scp>RAB</scp> 7â€dependent mitophagy. EMBO Journal, 2018, 37, 235-254.	7.8	144
16	Cargo-selective SNX-BAR proteins mediate retromer trimer independent retrograde transport. Journal of Cell Biology, 2017, 216, 3677-3693.	5.2	139
17	Molecular fingerprinting of the podocyte reveals novel gene and protein regulatory networks. Kidney International, 2013, 83, 1052-1064.	5.2	130
18	AMBRA1 Interplay with Cullin E3ÂUbiquitin Ligases Regulates Autophagy Dynamics. Developmental Cell, 2014, 31, 734-746.	7.0	127

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19	Autophagy in innate and adaptive immunity against intracellular pathogens. Journal of Molecular Medicine, 2006, 84, 194-202.	3.9	113
20	Identification of HLA-DR–bound peptides presented by human bronchoalveolar lavage cells in sarcoidosis. Journal of Clinical Investigation, 2007, 117, 3576-3582.	8.2	112
21	Quantitative proteomic assessment of very early cellular signaling events. Nature Biotechnology, 2007, 25, 566-568.	17.5	110
22	<scp>SPATA</scp> 2 promotes <scp>CYLD</scp> activity and regulates <scp>TNF</scp> â€induced <scp>NF</scp> â€iPB signaling and cell death. EMBO Reports, 2016, 17, 1485-1497.	4.5	101
23	The flavonoid 4,4 \hat{a} e²-dimethoxychalcone promotes autophagy-dependent longevity across species. Nature Communications, 2019, 10, 651.	12.8	100
24	Global remodelling of cellular microenvironment due to loss of collagen VII. Molecular Systems Biology, 2013, 9, 657.	7.2	89
25	Comparison of ERLIC–TiO ₂ , HILIC–TiO ₂ , and SCX–TiO ₂ for Global Phosphoproteomics Approaches. Journal of Proteome Research, 2011, 10, 3474-3483.	3.7	83
26	Differential quantitative analysis of MHC ligands by mass spectrometry using stable isotope labeling. Nature Biotechnology, 2004, 22, 450-454.	17.5	82
27	Arf1p, Chs5p and the ChAPs are required for export of specialized cargo from the Golgi. EMBO Journal, 2006, 25, 943-954.	7.8	82
28	Spermidine Suppresses Age-Associated Memory Impairment by Preventing Adverse Increase of Presynaptic Active Zone Size and Release. PLoS Biology, 2016, 14, e1002563.	5.6	82
29	Macroautophagy Proteins Assist Epstein Barr Virus Production and Get Incorporated Into the Virus Particles. EBioMedicine, 2014, 1, 116-125.	6.1	78
30	Ciliaâ€kocalized <scp>LKB</scp> 1 regulates chemokine signaling, macrophage recruitment, and tissue homeostasis in the kidney. EMBO Journal, 2018, 37, .	7.8	78
31	Annexin A7 is required for ESCRT III-mediated plasma membrane repair. Scientific Reports, 2019, 9, 6726.	3.3	73
32	<i>Cyclin O</i> (<i>Ccno</i>) functions during deuterosomeâ€mediated centriole amplification of multiciliated cells. EMBO Journal, 2015, 34, 1078-1089.	7.8	72
33	Endonuclease G mediates α-synuclein cytotoxicity during Parkinson's disease. EMBO Journal, 2013, 32, 3041-3054.	7.8	71
34	Assembly of methylated KDM1A and CHD1 drives androgen receptor–dependent transcription and translocation. Nature Structural and Molecular Biology, 2016, 23, 132-139.	8.2	70
35	Quantitative Analysis of Prion-Protein Degradation by Constitutive and Immuno-20S Proteasomes Indicates Differences Correlated with Disease Susceptibility. Journal of Immunology, 2004, 172, 1083-1091.	0.8	66
36	Lessons to be learned from primary renal cell carcinomas: novel tumor antigens and HLA ligands for immunotherapy. Cancer Immunology, Immunotherapy, 2005, 54, 826-836.	4.2	65

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37	Mass Spectrometry Analysis and Quantitation of Peptides Presented on the MHC II Molecules of Mouse Spleen Dendritic Cells. Journal of Proteome Research, 2011, 10, 5016-5030.	3.7	65
38	Unexpected Abundance of HLA Class II Presented Peptides in Primary Renal Cell Carcinomas. Clinical Cancer Research, 2006, 12, 4163-4170.	7.0	64
39	Autoimmune T cell responses to antigenic peptides presented by bronchoalveolar lavage cell HLA-DR molecules in sarcoidosis. Clinical Immunology, 2009, 133, 353-363.	3.2	63
40	Dietary spermidine for lowering high blood pressure. Autophagy, 2017, 13, 767-769.	9.1	63
41	Expression of a ULK1/2 binding-deficient ATG13 variant can partially restore autophagic activity in ATG13-deficient cells. Autophagy, 2015, 11, 1471-1483.	9.1	61
42	Receptor tyrosine kinase signaling: a view from quantitative proteomics. Molecular BioSystems, 2009, 5, 1112.	2.9	56
43	The Atypical Kinase RIOK1 Promotes Tumor Growth and Invasive Behavior. EBioMedicine, 2017, 20, 79-97.	6.1	55
44	Phosphorylation Site Dynamics of Early T-cell Receptor Signaling. PLoS ONE, 2014, 9, e104240.	2.5	54
45	The FERM protein EPB41L5 regulates actomyosin contractility and focal adhesion formation to maintain the kidney filtration barrier. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E4621-E4630.	7.1	54
46	The balance of Id3 and E47 determines neural stem/precursor cell differentiation into astrocytes. EMBO Journal, 2015, 34, 2804-2819.	7.8	52
47	Discrete cytosolic macromolecular <scp>BRAF</scp> complexes exhibit distinct activities and composition. EMBO Journal, 2017, 36, 646-663.	7.8	52
48	Altered MCM Protein Levels and Autophagic Flux in Aged and Systemic Sclerosis Dermal Fibroblasts. Journal of Investigative Dermatology, 2014, 134, 2321-2330.	0.7	51
49	Impaired lymphoid extracellular matrix impedes antibacterial immunity in epidermolysis bullosa. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E705-E714.	7.1	51
50	RACK1 Is an Interaction Partner of ATG5 and a Novel Regulator of Autophagy. Journal of Biological Chemistry, 2016, 291, 16753-16765.	3.4	48
51	Retromer/WASH dependent sorting of nutrient transporters requires a multivalent interaction network with ANKRD50. Journal of Cell Science, 2017, 130, 382-395.	2.0	48
52	Retromer and TBC1D5 maintain late endosomal RAB7 domains to enable amino acid–induced mTORC1 signaling. Journal of Cell Biology, 2019, 218, 3019-3038.	5.2	46
53	Acetyl-coenzyme A. Autophagy, 2014, 10, 1335-1337.	9.1	42
54	Raft-like lipid microdomains drive autophagy initiation via AMBRA1-ERLIN1 molecular association within MAMs. Autophagy, 2021, 17, 2528-2548.	9.1	42

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55	Loss of Collagen VII Is Associated with Reduced Transglutaminase 2 Abundance and Activity. Journal of Investigative Dermatology, 2014, 134, 2381-2389.	0.7	41
56	Glycan side chains on naturally presented MHC class II ligands. Journal of Mass Spectrometry, 2005, 40, 100-104.	1.6	40
57	The deubiquitinase Usp27x stabilizes the <scp>BH</scp> 3â€only protein Bim and enhances apoptosis. EMBO Reports, 2016, 17, 724-738.	4.5	40
58	The Quantitative Nuclear Matrix Proteome as a Biochemical Snapshot of Nuclear Organization. Journal of Proteome Research, 2014, 13, 3940-3956.	3.7	39
59	Characterization of early autophagy signaling by quantitative phosphoproteomics. Autophagy, 2014, 10, 356-371.	9.1	35
60	Ordered bulk degradation via autophagy. Autophagy, 2008, 4, 1057-1059.	9.1	32
61	Quantitative proteomics for the analysis of spatio-temporal protein dynamics during autophagy. Autophagy, 2010, 6, 1009-1016.	9.1	32
62	Combinatorial Use of Electrostatic Repulsion-Hydrophilic Interaction Chromatography (ERLIC) and Strong Cation Exchange (SCX) Chromatography for In-Depth Phosphoproteome Analysis. Journal of Proteome Research, 2012, 11, 4269-4276.	3.7	32
63	Consistency of the Proteome in Primary Human Keratinocytes With Respect to Gender, Age, and Skin Localization. Molecular and Cellular Proteomics, 2013, 12, 2509-2521.	3.8	32
64	Anks3 interacts with nephronophthisis proteins and is required for normal renal development. Kidney International, 2015, 87, 1191-1200.	5.2	30
65	Cyclin-dependent kinase 5 (CDK5) regulates the circadian clock. ELife, 2019, 8, .	6.0	30
66	Comparative quantitation of proteome alterations induced by aging or immortalization in primary human fibroblasts and keratinocytes for clinical applications. Molecular BioSystems, 2010, 6, 1579.	2.9	29
67	Autophagosomal Protein Dynamics and Influenza Virus Infection. Frontiers in Immunology, 2012, 3, 43.	4.8	29
68	Degradation of protein translation machinery by amino acid starvation-induced macroautophagy. Autophagy, 2017, 13, 1064-1075.	9.1	29
69	EEF1A1 deacetylation enables transcriptional activation of remyelination. Nature Communications, 2020, 11, 3420.	12.8	29
70	Rapid Combinatorial ERLIC–SCX Solid-Phase Extraction for In-Depth Phosphoproteome Analysis. Journal of Proteome Research, 2013, 12, 5989-5995.	3.7	28
71	Fast and easy phosphopeptide fractionation by combinatorial ERLIC-SCX solid-phase extraction for in-depth phosphoproteome analysis. Nature Protocols, 2016, 11, 37-45.	12.0	28
72	Roles of mitophagy in cellular physiology and development. Cell and Tissue Research, 2017, 367, 95-109.	2.9	28

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73	Phosphorylation of mitochondrial matrix proteins regulates their selective mitophagic degradation. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 20517-20527.	7.1	26
74	Phospho-proteomic analyses of B-Raf protein complexes reveal new regulatory principles. Oncotarget, 2016, 7, 26628-26652.	1.8	25
75	Combinatorial Omics Analysis Reveals Perturbed Lysosomal Homeostasis in Collagen VII-deficient Keratinocytes. Molecular and Cellular Proteomics, 2018, 17, 565-579.	3.8	25
76	Identification of a naturally processed cyclin D1 T-helper epitope by a novel combination of HLA class II targeting and differential mass spectrometry. European Journal of Immunology, 2004, 34, 3644-3651.	2.9	24
77	The Pro-Apoptotic BH3-Only Protein Bim Interacts with Components of the Translocase of the Outer Mitochondrial Membrane (TOM). PLoS ONE, 2015, 10, e0123341.	2.5	24
78	Proteasomal degradation induced by DPP9â€mediated processing competes with mitochondrial protein import. EMBO Journal, 2020, 39, e103889.	7.8	24
79	ErbB2â€associated changes in the lysosomal proteome. Proteomics, 2011, 11, 2830-2838.	2.2	23
80	Treatment of keratinocytes with 4-phenylbutyrate in epidermolysis bullosa: Lessons for therapies in keratin disorders. EBioMedicine, 2019, 44, 502-515.	6.1	23
81	Influenza A Virus Induces Autophagosomal Targeting of Ribosomal Proteins. Molecular and Cellular Proteomics, 2018, 17, 1909-1921.	3.8	22
82	Hexokinase 3 enhances myeloid cell survival via non-glycolytic functions. Cell Death and Disease, 2022, 13, 448.	6.3	22
83	Protein complexes and neighborhoods driving autophagy. Autophagy, 2021, 17, 2689-2705.	9.1	21
84	Identification of \hat{l}_{\pm} -tubulin as an autoantigen recognized by sera from patients with neuropsychiatric systemic lupus erythematosus. Brain, Behavior, and Immunity, 2011, 25, 279-285.	4.1	19
85	Three-Dimensional Cell Culture Conditions Affect the Proteome of Cancer-Associated Fibroblasts. Journal of Proteome Research, 2018, 17, 2780-2789.	3.7	19
86	Scaffold-free 3D cell culture of primary skin fibroblasts induces profound changes of the matrisome. Matrix Biology Plus, 2021, 11, 100066.	3.5	19
87	A histone point mutation that switches on autophagy. Autophagy, 2014, 10, 1143-1145.	9.1	18
88	Functional Proteomics Identifies Acinus L as a Direct Insulin- and Amino Acid-Dependent Mammalian Target of Rapamycin Complex 1 (mTORC1) Substrate. Molecular and Cellular Proteomics, 2015, 14, 2042-2055.	3.8	18
89	Kidins220/ARMS binds to the B cell antigen receptor and regulates B cell development and activation. Journal of Experimental Medicine, 2015, 212, 1693-1708.	8.5	18
90	Anks3 alters the sub-cellular localization of the Nek7 kinase. Biochemical and Biophysical Research Communications, 2015, 464, 901-907.	2.1	17

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91	Single Amino Acid Deletion in Kindlin-1 Results in Partial Protein Degradation Which Can Be Rescued by Chaperone Treatment. Journal of Investigative Dermatology, 2016, 136, 920-929.	0.7	16
92	The HSP40 chaperone Ydj1 drives amyloid beta 42 toxicity. EMBO Molecular Medicine, 2022, 14, e13952.	6.9	16
93	Beyond Global Charge: Role of Amine Bulkiness and Protein Fingerprint on Nanoparticle–Cell Interaction. Small, 2018, 14, e1802088.	10.0	15
94	Global kinome profiling reveals DYRK1A as critical activator of the human mitochondrial import machinery. Nature Communications, 2021, 12, 4284.	12.8	15
95	Proteomic Profiling of Fibroblasts Isolated from Chronic Wounds Identifies Disease-Relevant Signaling Pathways. Journal of Investigative Dermatology, 2020, 140, 2280-2290.e4.	0.7	14
96	Analysis of polymorphic sites in the promoter of the nitric oxide synthase 2 gene. Biochemical and Biophysical Research Communications, 2005, 335, 1123-1131.	2.1	13
97	The Degradative Inventory of the Cell: Proteomic Insights. Antioxidants and Redox Signaling, 2012, 17, 803-812.	5.4	13
98	Musical chairs during mitophagy. Autophagy, 2014, 10, 706-707.	9.1	13
99	Metadherin exon 11 skipping variant enhances metastatic spread of ovarian cancer. International Journal of Cancer, 2015, 136, 2328-2340.	5.1	13
100	Protein glutaminylation is a yeast-specific posttranslational modification of elongation factor 1A. Journal of Biological Chemistry, 2017, 292, 16014-16023.	3.4	13
101	Proâ€inflammatory immunity supports fibrosis advancement in epidermolysis bullosa: intervention with Angâ€(1â€7). EMBO Molecular Medicine, 2021, 13, e14392.	6.9	13
102	Detection of novel non-M2-related antimitochondrial antibodies in patients with anti-M2 negative primary biliary cirrhosis. Gut, 2009, 58, 983-989.	12.1	11
103	Mitophagy as a stress response in mammalian cells and in respiring S. cerevisiae. Biochemical Society Transactions, 2016, 44, 541-545.	3.4	11
104	Peptide motif for the rat MHC class II molecule RT1.Da: similarities to the multiple sclerosis-associated HLA-DRB1*1501 molecule. Immunogenetics, 2005, 57, 69-76.	2.4	10
105	Protein yoctowell nanoarchitectures: assembly of donut shaped protein containers and nanofibres. Soft Matter, 2011, 7, 2875.	2.7	10
106	Phosphoproteomic profiling reveals a defined genetic program for osteoblastic lineage commitment of human bone marrow–derived stromal stem cells. Genome Research, 2020, 30, 127-137.	5.5	10
107	Downregulation of autophagy by Met30-mediated Atg9 ubiquitination. Proceedings of the National Academy of Sciences of the United States of America, 2021, $118, \ldots$	7.1	10
108	Signal Transduction by Growth Factor Receptors: Signaling in an Instant. Cell Cycle, 2007, 6, 2913-2916.	2.6	9

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109	From Bioconjugation to Selfâ€Assembly in Nanobiotechnology: Quantum Dots Trapped and Stabilized by Toroid Protein Yoctowells. Advanced Engineering Materials, 2012, 14, B344.	3.5	9
110	The transcription factor Spt4-Spt5 complex regulates the expression of <i>ATG8</i> and <i>ATG41</i> Autophagy, 2020, 16, 1172-1185.	9.1	9
111	Respiratory status determines the effect of emodin on cell viability. Oncotarget, 2017, 8, 37478-37490.	1.8	8
112	4,4'Dimethoxychalcone: a natural flavonoid that promotes health through autophagy-dependent and -independent effects. Autophagy, 2019, 15, 1662-1664.	9.1	8
113	Modeling non-hereditary mechanisms of Alzheimer disease during apoptosis in yeast. Microbial Cell, 2015, 2, 136-138.	3.2	8
114	Post-transcriptional regulation of <i>ATG1</i> is a critical node that modulates autophagy during distinct nutrient stresses. Autophagy, 2022, 18, 1694-1714.	9.1	8
115	Naturally Presented MHC Ligands Carrying Glycans. Transfusion Medicine and Hemotherapy, 2006, 33, 38-44.	1.6	7
116	Strategy for Identifying Dendritic Cell-Processed CD4+ T Cell Epitopes from the HIV Gag p24 Protein. PLoS ONE, 2012, 7, e41897.	2.5	7
117	Relevance of the inner mitochondrial membrane enzyme F ₁ F ₆ international, 2012, 32, 249-257.	3.9	7
118	Methods to Study the BECN1 Interactome in the Course of Autophagic Responses. Methods in Enzymology, 2017, 587, 429-445.	1.0	7
119	Inhibition of \hat{l}^2 -catenin signaling by phenobarbital in hepatoma cells in vitro. Toxicology, 2016, 370, 94-105.	4.2	6
120	The complex interplay between ULK1 and protein phosphatases in autophagy regulation. Autophagy, 2022, 18, 455-456.	9.1	5
121	Friend or food. Autophagy, 2012, 8, 995-996.	9.1	4
122	Insights into autosomal dominant polycystic kidney disease by quantitative mass spectrometry-based proteomics. Cell and Tissue Research, 2017, 369, 41-51.	2.9	4
123	Hydrophobic Interaction Chromatography for Bottom-Up Proteomics Analysis of Single Proteins and Protein Complexes. Journal of Proteome Research, 2017, 16, 2318-2323.	3.7	4
124	Study of ULK1 Catalytic Activity and Its Regulation. Methods in Enzymology, 2017, 587, 391-404.	1.0	4
125	Bacterial lectin BambL acts as a B cell superantigen. Cellular and Molecular Life Sciences, 2021, 78, 8165-8186.	5.4	3
126	Census of cytosolic aminopeptidase activity reveals two novel cytosolic aminopeptidases. Medical Microbiology and Immunology, 2012, 201, 463-473.	4.8	2

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#	ARTICLE	IF	CITATION
127	Fibrin, Bone Marrow Cells and Macrophages Interactively Modulate Cardiomyoblast Fate. Biomedicines, 2022, 10, 527.	3.2	2
128	Vertebrate lonesome kinase modulates the hepatocyte secretome to prevent perivascular liver fibrosis and inflammation. Journal of Cell Science, 2022, , .	2.0	2
129	The cup of youth. Cell Cycle, 2014, 13, 2021-2021.	2.6	1
130	Increased abundance of Cbl E3 ligases alters PDGFR signaling in recessive dystrophic epidermolysis bullosa. Matrix Biology, 2021, 103-104, 58-73.	3.6	1
131	DRAMing for autophagy. FEBS Journal, 2022, 289, 3731-3734.	4.7	1
132	A Dual-Acting Nitric Oxide Donor and Phosphodiesterase 5 Inhibitor Activates Autophagy in Primary Skin Fibroblasts. International Journal of Molecular Sciences, 2022, 23, 6860.	4.1	0