

# Hidetaka Kosako

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8726367/publications.pdf>

Version: 2024-02-01

46  
papers

2,538  
citations

394421

19  
h-index

265206

42  
g-index

49  
all docs

49  
docs citations

49  
times ranked

5492  
citing authors

#	ARTICLE	IF	CITATIONS
1	A proximity biotinylation-based approach to identify protein-E3 ligase interactions induced by PROTACs and molecular glues. <i>Nature Communications</i> , 2022, 13, 183.	12.8	36
2	A simple method for labeling proteins and antibodies with biotin using the proximity biotinylation enzyme TurboID. <i>Biochemical and Biophysical Research Communications</i> , 2022, 592, 54-59.	2.1	4
3	Identification of an endoplasmic reticulum proteostasis modulator that enhances insulin production in pancreatic $\beta^2$ cells. <i>Cell Chemical Biology</i> , 2022, , .	5.2	4
4	Identification and validation of new ERK substrates by phosphoproteomic technologies including Phos-tag SDS-PAGE. <i>Journal of Proteomics</i> , 2022, 258, 104543.	2.4	3
5	Binding of LAG-3 to stable peptide-MHC class II limits T cell function and suppresses autoimmunity and anti-cancer immunity. <i>Immunity</i> , 2022, 55, 912-924.e8.	14.3	59
6	Cell cycle-specific phase separation regulated by protein charge blockiness. <i>Nature Cell Biology</i> , 2022, 24, 625-632.	10.3	42
7	Proteomic analysis of spheroids of rhabdomyosarcoma cells cultured with decellularized muscle extracts. <i>Journal of Electrophoresis</i> , 2022, 66, 1-4.	0.4	0
8	The ubiquitination-deubiquitination cycle on the ribosomal protein eS7A is crucial for efficient translation. <i>IScience</i> , 2021, 24, 102145.	4.1	16
9	Caspase cleavage releases a nuclear protein fragment that stimulates phospholipid scrambling at the plasma membrane. <i>Molecular Cell</i> , 2021, 81, 1397-1410.e9.	9.7	16
10	Uncovering a novel role of PLC $\beta^2$ in selectively mediating TCR signaling in CD8+ but not CD4+ T cells. <i>Journal of Experimental Medicine</i> , 2021, 218, .	8.5	7
11	Identification of a chemical chaperone for mitigating protein aggregation and proteotoxicity during endoplasmic reticulum stress. <i>FASEB Journal</i> , 2021, 35, .	0.5	0
12	Cell-autonomous <i>Toxoplasma</i> killing program requires Irgm2 but not its microbe vacuolar localization. <i>Life Science Alliance</i> , 2021, 4, e202000960.	2.8	10
13	Clathrin-mediated endocytosis is essential for the selective degradation of maternal membrane proteins and preimplantation development. <i>Development (Cambridge)</i> , 2021, 148, .	2.5	11
14	A sublethal ATP11A mutation associated with neurological deterioration causes aberrant phosphatidylcholine flipping in plasma membranes. <i>Journal of Clinical Investigation</i> , 2021, 131, .	8.2	25
15	Mammalian BCAS3 and C16orf70 associate with the phagophore assembly site in response to selective and non-selective autophagy. <i>Autophagy</i> , 2021, 17, 2011-2036.	9.1	6
16	The tertiary structure of the human Xkr8-Basigin complex that scrambles phospholipids at plasma membranes. <i>Nature Structural and Molecular Biology</i> , 2021, 28, 825-834.	8.2	26
17	Mass spectrometry-based methods for analysing the mitochondrial interactome in mammalian cells. <i>Journal of Biochemistry</i> , 2020, 167, 225-231.	1.7	11
18	Quantitative proteomics indicate a strong correlation of mitotic phospho-/dephosphorylation with non-structured regions of substrates. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2020, 1868, 140295.	2.3	5

#	ARTICLE	IF	CITATIONS
19	PITHD1 is a proteasome-interacting protein essential for male fertilization. <i>Journal of Biological Chemistry</i> , 2020, 295, 1658-1672.	3.4	8
20	Enhanced O-GlcNAcylation Mediates Cytoprotection under Proteasome Impairment by Promoting Proteasome Turnover in Cancer Cells. <i>iScience</i> , 2020, 23, 101299.	4.1	4
21	Prion protein signaling induces M2 macrophage polarization and protects from lethal influenza infection in mice. <i>PLoS Pathogens</i> , 2020, 16, e1008823.	4.7	7
22	BioID screening of biotinylation sites using the avidin-like protein Tamavidin 2-REV identifies global interactors of stimulator of interferon genes (STING). <i>Journal of Biological Chemistry</i> , 2020, 295, 11174-11183.	3.4	24
23	Mitotic phosphorylation of Pex14p regulates peroxisomal import machinery. <i>Journal of Cell Biology</i> , 2020, 219, .	5.2	18
24	AirID, a novel proximity biotinylation enzyme, for analysis of protein-protein interactions. <i>ELife</i> , 2020, 9, .	6.0	75
25	The peroxisome counteracts oxidative stresses by suppressing catalase import via Pex14 phosphorylation. <i>ELife</i> , 2020, 9, .	6.0	42
26	Phosphoproteomic identification and functional characterization of protein kinase substrates by 2D-DIGE and Phos-tag PAGE. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2019, 1867, 57-61.	2.3	8
27	Structural Basis of Mitochondrial Scaffolds by Prohibitin Complexes: Insight into a Role of the Coiled-Coil Region. <i>iScience</i> , 2019, 19, 1065-1078.	4.1	72
28	Phosphorylation-mediated activation of mouse Xkr8 scramblase for phosphatidylserine exposure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 2907-2912.	7.1	44
29	Parkin recruitment to impaired mitochondria for nonselective ubiquitylation is facilitated by MITOL. <i>Journal of Biological Chemistry</i> , 2019, 294, 10300-10314.	3.4	79
30	Activation of unliganded FGF receptor by extracellular phosphate potentiates proteolytic protection of FGF23 by its O-glycosylation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 11418-11427.	7.1	106
31	Parkin-mediated ubiquitylation redistributes MITOL/March5 from mitochondria to peroxisomes. <i>EMBO Reports</i> , 2019, 20, e47728.	4.5	35
32	Trans-omics Impact of Thymoproteasome in Cortical Thymic Epithelial Cells. <i>Cell Reports</i> , 2019, 29, 2901-2916.e6.	6.4	27
33	Identification of candidate molecular targets of the novel antineoplastic antimitotic NP-10. <i>Scientific Reports</i> , 2019, 9, 16825.	3.3	4
34	Cell-based HTS identifies a chemical chaperone for preventing ER protein aggregation and proteotoxicity. <i>ELife</i> , 2019, 8, .	6.0	22
35	Baicalein disturbs the morphological plasticity and motility of breast adenocarcinoma cells depending on the tumor microenvironment. <i>Genes To Cells</i> , 2018, 23, 466-479.	1.2	7
36	Activation of stimulator of interferon genes (STING) induces ADAM17-mediated shedding of the immune semaphorin SEMA4D. <i>Journal of Biological Chemistry</i> , 2018, 293, 7717-7726.	3.4	22

#	ARTICLE	IF	CITATIONS
37	The autophagy receptor ALLO-1 and the IKKE-1 kinase control clearance of paternal mitochondria in <i>Caenorhabditis elegans</i> . <i>Nature Cell Biology</i> , 2018, 20, 81-91.	10.3	44
38	Global Identification of ERK Substrates by Phosphoproteomics Based on IMAC and 2D-DIGE. <i>Methods in Molecular Biology</i> , 2017, 1487, 137-149.	0.9	8
39	Functional analysis of disease-associated protein kinases using phosphoproteomic technologies including Phos-tag. <i>Denki Eido</i> , 2017, 61, 53-57.	0.0	0
40	Conversion of graded phosphorylation into switch-like nuclear translocation via autoregulatory mechanisms in ERK signalling. <i>Nature Communications</i> , 2016, 7, 10485.	12.8	54
41	PKA Regulates PINK1 Stability and Parkin Recruitment to Damaged Mitochondria through Phosphorylation of MIC60. <i>Molecular Cell</i> , 2016, 62, 371-384.	9.7	95
42	Protein kinase D regulates positive selection of CD4+ thymocytes through phosphorylation of SHP-1. <i>Nature Communications</i> , 2016, 7, 12756.	12.8	30
43	Analog-to-digital Conversion in the Cellular Signaling System. <i>Seibutsu Butsuri</i> , 2016, 56, 334-336.	0.1	0
44	Phosphorylated ubiquitin chain is the genuine Parkin receptor. <i>Journal of Cell Biology</i> , 2015, 209, 111-128.	5.2	217
45	Epithelial protein lost in neoplasm modulates platelet-derived growth factor-mediated adhesion and motility of mesangial cells. <i>Kidney International</i> , 2014, 86, 548-557.	5.2	18
46	Ubiquitin is phosphorylated by PINK1 to activate parkin. <i>Nature</i> , 2014, 510, 162-166.	27.8	1,185