

# Yogesh Kulathu

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

3,625  
citations

279798

23  
h-index

395702

33  
g-index

41  
all docs

41  
docs citations

41  
times ranked

4476  
citing authors

#	ARTICLE	IF	CITATIONS
1	Atypical ubiquitylation – the unexplored world of polyubiquitin beyond Lys48 and Lys63 linkages. <i>Nature Reviews Molecular Cell Biology</i> , 2012, 13, 508-523.	37.0	558
2	OTU Deubiquitinases Reveal Mechanisms of Linkage Specificity and Enable Ubiquitin Chain Restriction Analysis. <i>Cell</i> , 2013, 154, 169-184.	28.9	470
3	OTULIN Antagonizes LUBAC Signaling by Specifically Hydrolyzing Met1-Linked Polyubiquitin. <i>Cell</i> , 2013, 153, 1312-1326.	28.9	395
4	MINDY-1 Is a Member of an Evolutionarily Conserved and Structurally Distinct New Family of Deubiquitinating Enzymes. <i>Molecular Cell</i> , 2016, 63, 146-155.	9.7	297
5	On Terminal Alkynes That Can React with Active-Site Cysteine Nucleophiles in Proteases. <i>Journal of the American Chemical Society</i> , 2013, 135, 2867-2870.	13.7	290
6	Two-sided ubiquitin binding explains specificity of the TAB2 NZF domain. <i>Nature Structural and Molecular Biology</i> , 2009, 16, 1328-1330.	8.2	177
7	Discovery and Characterization of ZUFSP/ZUP1, a Distinct Deubiquitinase Class Important for Genome Stability. <i>Molecular Cell</i> , 2018, 70, 150-164.e6.	9.7	142
8	K29-Selective Ubiquitin Binding Domain Reveals Structural Basis of Specificity and Heterotypic Nature of K29 Polyubiquitin. <i>Molecular Cell</i> , 2015, 58, 83-94.	9.7	136
9	Molecular basis of Lys11-polyubiquitin specificity in the deubiquitinase Cezanne. <i>Nature</i> , 2016, 538, 402-405.	27.8	129
10	Regulation of A20 and other OTU deubiquitinases by reversible oxidation. <i>Nature Communications</i> , 2013, 4, 1569.	12.8	120
11	Deubiquitinases: From mechanisms to their inhibition by small molecules. <i>Molecular Cell</i> , 2022, 82, 15-29.	9.7	98
12	Mechanisms of regulation and diversification of deubiquitylating enzyme function. <i>Journal of Cell Science</i> , 2017, 130, 1997-2006.	2.0	76
13	Deregulated Syk inhibits differentiation and induces growth factor-independent proliferation of pre-B cells. <i>Journal of Experimental Medicine</i> , 2006, 203, 2829-2840.	8.5	71
14	The kinase Syk as an adaptor controlling sustained calcium signalling and B-cell development. <i>EMBO Journal</i> , 2008, 27, 1333-1344.	7.8	71
15	Autoinhibition and adapter function of Syk. <i>Immunological Reviews</i> , 2009, 232, 286-299.	6.0	71
16	Assembly and structure of Lys33-linked polyubiquitin reveals distinct conformations. <i>Biochemical Journal</i> , 2015, 467, 345-352.	3.7	67
17	Biochemical characterization of protease activity of Nsp3 from SARS-CoV-2 and its inhibition by nanobodies. <i>PLoS ONE</i> , 2021, 16, e0253364.	2.5	55
18	A leucine zipper in the N terminus confers membrane association to SLP-65. <i>Nature Immunology</i> , 2005, 6, 204-210.	14.5	53

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19	Synthesis of Isomeric Phosphoubiquitin Chains Reveals that Phosphorylation Controls Deubiquitinase Activity and Specificity. <i>Cell Reports</i> , 2016, 16, 1180-1193.	6.4	52
20	A single <scp>MIU</scp> motif of <scp>MINDY</scp> recognizes K48-linked polyubiquitin chains. <i>EMBO Reports</i> , 2017, 18, 392-402.	4.5	51
21	Identifying SARS-CoV-2 antiviral compounds by screening for small molecule inhibitors of Nsp3 papain-like protease. <i>Biochemical Journal</i> , 2021, 478, 2517-2531.	3.7	49
22	PLAA Mutations Cause a Lethal Infantile Epileptic Encephalopathy by Disrupting Ubiquitin-Mediated Endolysosomal Degradation of Synaptic Proteins. <i>American Journal of Human Genetics</i> , 2017, 100, 706-724.	6.2	37
23	Expansion of DUB functionality by alternative isoforms: USP35, a case study. <i>Journal of Cell Science</i> , 2018, 131, .	2.0	34
24	UFMylation of MRE11 is essential for telomere length maintenance and hematopoietic stem cell survival. <i>Science Advances</i> , 2021, 7, eabc7371.	10.3	23
25	Dimeric Structure of the Pseudokinase IRAK3 Suggests an Allosteric Mechanism for Negative Regulation. <i>Structure</i> , 2021, 29, 238-251.e4.	3.3	22
26	Two dimensional Blue Native-/SDS-PAGE analysis of SLP family adaptor protein complexes. <i>Immunology Letters</i> , 2006, 104, 131-137.	2.5	20
27	Mechanism of activation and regulation of deubiquitinase activity in MINDY1 and MINDY2. <i>Molecular Cell</i> , 2021, 81, 4176-4190.e6.	9.7	18
28	Coupled monoubiquitylation of the co-E3 ligase DCNL1 by Ariadne-RBR E3 ubiquitin ligases promotes cullin-RING ligase complex remodeling. <i>Journal of Biological Chemistry</i> , 2019, 294, 2651-5314.	3.4	13
29	Chemical biology tools to study Deubiquitinases and Ubl proteases. <i>Seminars in Cell and Developmental Biology</i> , 2022, 132, 86-96.	5.0	7
30	Synthetic biology of B cell activation: understanding signal amplification at the B cell antigen receptor using a rebuilding approach. <i>Biological Chemistry</i> , 2019, 400, 555-563.	2.5	4
31	Security measures of a master regulator. <i>Nature</i> , 2013, 497, 193-194.	27.8	3
32	Novel Diubiquitin Probes Expand the Chemical Toolkit to Study DUBs. <i>Cell Chemical Biology</i> , 2016, 23, 432-434.	5.2	1
33	Linking K29-Ub chains to biology. <i>Nature Chemical Biology</i> , 2021, 17, 843-844.	8.0	1
34	Deregulated Syk inhibits differentiation and induces growth factor-independent proliferation of pre-B cells. <i>Journal of Cell Biology</i> , 2006, 175, i14-i14.	5.2	0
35	Purification, crystallization and drug screening of the IRAK pseudokinases. <i>Methods in Enzymology</i> , 2022, 667, 101-121.	1.0	0