

# Gary Kleiger

## List of Publications by Year in descending order

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29  
papers

2,157  
citations

448610

19  
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536525

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30  
docs citations

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times ranked

3535  
citing authors

#	ARTICLE	IF	CITATIONS
1	Linkage-specific ubiquitin chain formation depends on a lysine hydrocarbon ruler. <i>Nature Chemical Biology</i> , 2021, 17, 272-279.	3.9	26
2	Ubiquitin ligation to F-box protein targets by SCF-RBR E3-E3 super-assembly. <i>Nature</i> , 2021, 590, 671-676.	13.7	97
3	The San1 Ubiquitin Ligase Avidly Recognizes Misfolded Proteins through Multiple Substrate Binding Sites. <i>Biomolecules</i> , 2021, 11, 1619.	1.8	5
4	Regulation of Cullin-RING E3 ligase dynamics by Inositol hexakisphosphate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 6292-6294.	3.3	2
5	NEDD8 nucleates a multivalent cullin-RING-UBE2D ubiquitin ligation assembly. <i>Nature</i> , 2020, 578, 461-466.	13.7	178
6	The extent of Ssa1/Ssa2 Hsp70 chaperone involvement in nuclear protein quality control degradation varies with the substrate. <i>Molecular Biology of the Cell</i> , 2020, 31, 221-233.	0.9	18
7	Robust cullin-RING ligase function is established by a multiplicity of poly-ubiquitylation pathways. <i>eLife</i> , 2019, 8, .	2.8	36
8	Using In Vitro Ubiquitylation Assays to Estimate the Affinities of Ubiquitin-Conjugating Enzymes for Their Ubiquitin Ligase Partners. <i>Methods in Molecular Biology</i> , 2018, 1844, 39-58.	0.4	2
9	Self-regulating ubiquitin ligases. <i>EMBO Journal</i> , 2017, 36, 392-393.	3.5	1
10	Mechanism of Lysine 48 Selectivity during Polyubiquitin Chain Formation by the Ube2R1/2 Ubiquitin-Conjugating Enzyme. <i>Molecular and Cellular Biology</i> , 2016, 36, 1720-1732.	1.1	14
11	The San1 Ubiquitin Ligase Functions Preferentially with Ubiquitin-conjugating Enzyme Ubc1 during Protein Quality Control. <i>Journal of Biological Chemistry</i> , 2016, 291, 18778-18790.	1.6	13
12	Tag Team Ubiquitin Ligases. <i>Cell</i> , 2016, 166, 1080-1081.	13.5	14
13	Ubiquitin-conjugating Enzyme Cdc34 and Ubiquitin Ligase Skp1-Cullin-F-box Ligase (SCF) Interact through Multiple Conformations. <i>Journal of Biological Chemistry</i> , 2015, 290, 1106-1118.	1.6	20
14	E2 enzyme inhibition by stabilization of a low-affinity interface with ubiquitin. <i>Nature Chemical Biology</i> , 2014, 10, 156-163.	3.9	81
15	Perilous journey: a tour of the ubiquitin-proteasome system. <i>Trends in Cell Biology</i> , 2014, 24, 352-359.	3.6	271
16	Multimodal Mechanism of Action for the Cdc34 Acidic Loop. <i>Journal of Biological Chemistry</i> , 2013, 288, 34882-34896.	1.6	18
17	NEDD8 links cullin-RING ubiquitin ligase function to the p97 pathway. <i>Nature Structural and Molecular Biology</i> , 2012, 19, 511-516.	3.6	74
18	Essential Role for Ubiquitin-Ubiquitin-Conjugating Enzyme Interaction in Ubiquitin Discharge from Cdc34 to Substrate. <i>Molecular Cell</i> , 2011, 42, 75-83.	4.5	108

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19	The Acidic Tail of the Cdc34 Ubiquitin-conjugating Enzyme Functions in Both Binding to and Catalysis with Ubiquitin Ligase SCFCdc4. <i>Journal of Biological Chemistry</i> , 2009, 284, 36012-36023.	1.6	31
20	Detection of sequential polyubiquitylation on a millisecond timescale. <i>Nature</i> , 2009, 462, 615-619.	13.7	189
21	Rapid E2-E3 Assembly and Disassembly Enable Processive Ubiquitylation of Cullin-RING Ubiquitin Ligase Substrates. <i>Cell</i> , 2009, 139, 957-968.	13.5	178
22	Evaluation of a Diffusion-Driven Mechanism for Substrate Ubiquitination by the SCF-Cdc34 Ubiquitin Ligase Complex. <i>Molecular Cell</i> , 2006, 24, 523-534.	4.5	20
23	PFIT and PFRIT: Bioinformatic algorithms for detecting glycosidase function from structure and sequence. <i>Protein Science</i> , 2004, 13, 221-229.	3.1	1
24	Selective Dimerization of a C2H2 Zinc Finger Subfamily. <i>Molecular Cell</i> , 2003, 11, 459-470.	4.5	110
25	GXXXG and AXXXA: A Common $\alpha$ -Helical Interaction Motifs in Proteins, Particularly in Extremophiles. <i>Biochemistry</i> , 2002, 41, 5990-5997.	1.2	181
26	GXXXG and GXXXA Motifs Stabilize FAD and NAD(P)-binding Rossmann Folds Through C-H $\cdots$ O Hydrogen Bonds and van der Waals Interactions. <i>Journal of Molecular Biology</i> , 2002, 323, 69-76.	2.0	168
27	3D Structure and Significance of the G $\alpha$ XXG Helix Packing Motif in Tetramers of the E1 $\alpha$ Subunit of Pyruvate Dehydrogenase from the Archeon <i>Pyrobaculum aerophilum</i> . <i>Biochemistry</i> , 2001, 40, 14484-14492.	1.2	21
28	Targeting of Ikaros to pericentromeric heterochromatin by direct DNA binding. <i>Genes and Development</i> , 2000, 14, 2146-2160.	2.7	230
29	The 1.7 Å... crystal structure of BPI: a study of how two dissimilar amino acid sequences can adopt the same fold 1 Edited by D. Rees. <i>Journal of Molecular Biology</i> , 2000, 299, 1019-1034.	2.0	50