# Daniel Finley

List of Publications by Year
in descending order



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|---|---|---|---|
| 64 papers | 10,011 citations | 117571 34 h-index | 133188 59 g-index |
| 70 all docs | 70 docs citations | 70 times ranked | 10359 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Recognition and Processing of Ubiquitin-Protein Conjugates by the Proteasome. Annual Review of Biochemistry, 2009, 78, 477-513. | 5.0 | 1,493 |
| 2 | Enhancement of proteasome activity by a small-molecule inhibitor of USP14. Nature, 2010, 467, 179-184. | 13.7 | 795 |
| 3 | A gated channel into the proteasome core particle. Nature Structural Biology, 2000, 7, 1062-1067. | 9.7 | 722 |
| 4 | Multi-omics analysis identifies ATF4 as a key regulator of the mitochondrial stress response in mammals. Journal of Cell Biology, 2017, 216, 2027-2045. | 2.3 | 590 |
| 5 | Multiple Associated Proteins Regulate Proteasome Structure and Function. Molecular Cell, 2002, 10, 495-507. | 4.5 | 579 |
| 6 | MHC-linked LMP gene products specifically alter peptidase activities of the proteasome. Nature, 1993, 365, 262-264. | 13.7 | 469 |
| 7 | The base of the proteasome regulatory particle exhibits chaperone-like activity. Nature Cell Biology, 1999, 1, 221-226. | 4.6 | 451 |
| 8 | The Ubiquitinâ€“Proteasome System of Saccharomyces cerevisiae. Genetics, 2012, 192, 319-360. | 1.2 | 360 |
| 9 | Cell Cycleâ€“Regulated Modification of the Ribosome by a Variant Multiubiquitin Chain. Cell, 2000, 102, 67-76. | 13.5 | 347 |
| 10 | Deubiquitinating Enzyme Ubp6 Functions Noncatalytically to Delay Proteasomal Degradation. Cell, 2006, 127, 99-111. | 13.5 | 316 |
| 11 | Ubiquitin Chains Are Remodeled at the Proteasome by Opposing Ubiquitin Ligase and Deubiquitinating Activities. Cell, 2006, 127, 1401-1413. | 13.5 | 280 |
| 12 | Cryo-EM structures and dynamics of substrate-engaged human 26S proteasome. Nature, 2019, 565, 49-55. | 13.7 | 264 |
| 13 | Rpn1 provides adjacent receptor sites for substrate binding and deubiquitination by the proteasome. Science, 2016, 351, . | 6.0 | 234 |
| 14 | Gates, Channels, and Switches: Elements of the Proteasome Machine. Trends in Biochemical Sciences, 2016, 41, 77-93. | 3.7 | 223 |
| 15 | Ubiquitylation of Autophagy Receptor Optineurin by HACE1 Activates Selective Autophagy for Tumor Suppression. Cancer Cell, 2014, 26, 106-120. | 7.7 | 198 |
| 16 | Substrate degradation by the proteasome: A single-molecule kinetic analysis. Science, 2015, 348, 1250834. | 6.0 | 188 |
| 17 | A Ubiquitin Stress Response Induces Altered Proteasome Composition. Cell, 2007, 129, 747-759. | 13.5 | 175 |
| 18 | K63 polyubiquitination is a new modulator of the oxidative stress response. Nature Structural and Molecular Biology, 2015, 22, 116-123. | 3.6 | 162 |

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|---|---|---|---|
| 19 | Structural Insights into the Regulatory Particle of the Proteasome from Methanocaldococcus jannaschii. Molecular Cell, 2009, 34, 473-484. | 4.5 | 159 |
| 20 | USP14 deubiquitinates proteasome-bound substrates that are ubiquitinated at multiple sites. Nature, 2016, 532, 398-401. | 13.7 | 150 |
| 21 | Ubiquitylation of p62/sequestosome1 activates its autophagy receptor function and controls selective autophagy upon ubiquitin stress. Cell Research, 2017, 27, 657-674. | 5.7 | 143 |
| 22 | APC/C-mediated multiple monoubiquitylation provides an alternative degradation signal for cyclin B1. Nature Cell Biology, 2012, 14, 168-176. | 4.6 | 125 |
| 23 | UBE2O remodels the proteome during terminal erythroid differentiation. Science, 2017, 357, . | 6.0 | 121 |
| 24 | Ubiquitin as a central cellular regulator. Cell, 2004, 116, S29-S34. | 13.5 | 113 |
| 25 | The proteasome 19S cap and its ubiquitin receptors provide a versatile recognition platform for substrates. Nature Communications, 2020, 11, 477. | 5.8 | 101 |
| 26 | Meddling with Fate: The Proteasomal Deubiquitinating Enzymes. Journal of Molecular Biology, 2017, 429, 3525-3545. | 2.0 | 99 |
| 27 | Purification of Proteasomes, Proteasome Subcomplexes, and Proteasome-Associated Proteins From Budding Yeast. , 2005, 301, 057-070. | | 98 |
| 28 | An inhibitor of the proteasomal deubiquitinating enzyme USP14 induces tau elimination in cultured neurons. Journal of Biological Chemistry, 2017, 292, 19209-19225. | 1.6 | 98 |
| 29 | Functional analysis of the proteasome regulatory particle. Molecular Biology Reports, 1999, 26, 21-28. | 1.0 | 97 |
| 30 | Phosphorylation and activation of ubiquitin-specific protease-14 by Akt regulates the ubiquitin-proteasome system. ELife, 2015, 4, e10510. | 2.8 | 84 |
| 31 | Open-gate mutants of the mammalian proteasome show enhanced ubiquitin-conjugate degradation. Nature Communications, 2016, 7, 10963. | 5.8 | 82 |
| 32 | ALS/FTD mutations in UBQLN2 impede autophagy by reducing autophagosome acidification through loss of function. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 15230-15241. | 3.3 | 53 |
| 33 | The Proteasome and Its Network: Engineering for Adaptability. Cold Spring Harbor Perspectives in Biology, 2020, 12, a033985. | 2.3 | 49 |
| 34 | Structure and functional analysis of the 26S proteasome subunits from plants. Molecular Biology Reports, 1999, 26, 137-146. | 1.0 | 48 |
| 35 | Filamentous Aggregates Are Fragmented by the Proteasome Holoenzyme. Cell Reports, 2019, 26, 2140-2149.e3. | 2.9 | 43 |
| 36 | USP14-regulated allostery of the human proteasome by time-resolved cryo-EM. Nature, 2022, 605, 567-574. | 13.7 | 38 |

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|---|---|---|---|
| 37 | Ubiquilin1 promotes antigen-receptor mediated proliferation by eliminating mislocalized mitochondrial proteins. ELife, 2017, 6, . | 2.8 | 37 |
| 38 | Conformational Landscape of the p28-Bound Human Proteasome Regulatory Particle. Molecular Cell, 2017, 67, 322-333.e6. | 4.5 | 35 |
| 39 | Amplifiers co-translationally enhance CFTR biosynthesis via PCBP1-mediated regulation of CFTR mRNA. Journal of Cystic Fibrosis, 2020, 19, 733-741. | 0.3 | 35 |
| 40 | Proteasomes Associated with the Blm10 Activator Protein Antagonize Mitochondrial Fission through Degradation of the Fission Protein Dnm1. Journal of Biological Chemistry, 2014, 289, 12145-12156. | 1.6 | 32 |
| 41 | Chromatin accessibility promotes hematopoietic and leukemia stem cell activity. Nature Communications, 2020, 11, 1406. | 5.8 | 32 |
| 42 | Structures of chaperone-associated assembly intermediates reveal coordinated mechanisms of proteasome biogenesis. Nature Structural and Molecular Biology, 2021, 28, 418-425. | 3.6 | 29 |
| 43 | N-Terminal Ubiquitination of Amyloidogenic Proteins Triggers Removal of Their Oligomers by the Proteasome Holoenzyme. Journal of Molecular Biology, 2020, 432, 585-596. | 2.0 | 28 |
| 44 | Dynamics of Ubiquitin Conjugation during Erythroid Differentiation in Vitro. Journal of Biological Chemistry, 1995, 270, 9507-9516. | 1.6 | 25 |
| 45 | The deubiquitinating enzyme Usp14 controls ciliogenesis and Hedgehog signaling. Human Molecular Genetics, 2019, 28, 764-777. | 1.4 | 25 |
| 46 | ATPase and ubiquitin-binding proteins of the yeast proteasome. Molecular Biology Reports, 1997, 24, 17-26. | 1.0 | 22 |
| 47 | Nucleotide-dependent switch in proteasome assembly mediated by the Nas6 chaperone. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 1548-1553. | 3.3 | 22 |
| 48 | A Proteomic Strategy for Quantifying Polyubiquitin Chain Topologies. Israel Journal of Chemistry, 2006, 46, 171-182. | 1.0 | 20 |
| 49 | Global proteomics of Ubqln2-based murine models of ALS. Journal of Biological Chemistry, 2021, 296, 100153. | 1.6 | 17 |
| 50 | Maternal Iron Deficiency Modulates Placental Transcriptome and Proteome in Mid-Gestation of Mouse Pregnancy. Journal of Nutrition, 2021, 151, 1073-1083. | 1.3 | 16 |
| 51 | Allosteric control of Ubp6 and the proteasome via a bidirectional switch. Nature Communications, 2022, 13, 838. | 5.8 | 15 |
| 52 | Membrane skeleton modulates erythroid proteome remodeling and organelle clearance. Blood, 2021, 137, 398-409. | 0.6 | 11 |
| 53 | An alternative to destruction. Nature, 2001, 412, 283-285. | 13.7 | 10 |
| 54 | Sculpting the proteome with small molecules. Nature Chemical Biology, 2014, 10, 870-874. | 3.9 | 10 |

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|---|---|---|---|
| 55 | Thiol-based direct threat sensing by the stress-activated protein kinase Hog1. Science Signaling, 2019, 12, . | 1.6 | 10 |
| 56 | ALS/FTD mutations in UBQLN2 are linked to mitochondrial dysfunction through loss-of-function in mitochondrial protein import. Human Molecular Genetics, 2021, 30, 1230-1246. | 1.4 | 10 |
| 57 | Binding of Ubiquitin Conjugates to Proteasomes as Visualized with Native Gels. Methods in Molecular Biology, 2012, 832, 403-422. | 0.4 | 8 |
| 58 | A General in Vitro Assay for Studying Enzymatic Activities of the Ubiquitin System. Biochemistry, 2020, 59, 851-861. | 1.2 | 6 |
| 59 | Ubiquitin Linkage Specificity of Deubiquitinases Determines Cyclophilin Nuclear Localization and Degradation. IScience, 2020, 23, 100984. | 1.9 | 5 |
| 60 | Inhibition of Usp14 Stimulates the Proteolytic Degradation and Clearance of Misfolded Proteins Associated with Neurodegenerative Diseases. FASEB Journal, 2013, 27, lb131. | 0.2 | 2 |
| 61 | S3-02-04: Developing Usp14 inhibitors as disease-modifying therapeutics for protein aggregation diseases. , 2013, 9, P512-P513. | | 0 |
| 62 | Regulation of Substrate Processing by the Proteasome. FASEB Journal, 2009, 23, 431.1. | 0.2 | 0 |
| 63 | Regulation of the proteasome by ubiquitin chain editing. FASEB Journal, 2013, 27, 86.3. | 0.2 | 0 |
| 64 | The Biochemical Program of Extreme Terminal Differentiation. FASEB Journal, 2019, 33, . | 0.2 | 0 |