Philip Coffino

List of Publications by Year
in descending order

72 papers	4,109 citations	117625 34 h-index	114465 63 g-index
105 all docs	105 docs citations	105 times ranked	2441 citing authors

#	Article	IF	Citations
1	Regulation of cellular polyamines by antizyme. Nature Reviews Molecular Cell Biology, 2001, 2, 188-194.	37.0	325
2	Cloning of mouse myeloma cells and detection of rare variants. Journal of Cellular Physiology, 1972, 79, 429-440.	4.1	246
3	Mutations causing charge alterations in regulatory subunits of the cAMP-dependent protein kinase of cultured S49 lymphoma cells. Cell, 1977, 10, 381-391.	28.9	224
4	Ubiquitin-independent proteasomal degradation. Biochimica Et Biophysica Acta - Molecular Cell Research, 2014, 1843, 216-221.	4.1	190
5	Determinants of proteasome recognition of ornithine decarboxylase, a ubiquitin-independent substrate. EMBO Journal, 2003, 22, 1488-1496.	7.8	189
6	Ubistatins Inhibit Proteasome-Dependent Degradation by Binding the Ubiquitin Chain. Science, 2004, 306, 117-120.	12.6	183
7	Cyclic AMP-dependent protein kinase: pivotal role in regulation of enzyme induction and growth. Science, 1975, 190, 896-898.	12.6	166
8	The Cytoplasmic Hsp70 Chaperone Machinery Subjects Misfolded and Endoplasmic Reticulum Import-incompetent Proteins to Degradation via the Ubiquitinâ€“Proteasome System. Molecular Biology of the Cell, 2007, 18, 153-165.	2.1	148
9	Structure of mammalian ornithine decarboxylase at 1.6 Ã… resolution: stereochemical implications of PLP-dependent amino acid decarboxylases. Structure, 1999, 7, 567-581.	3.3	145
10	Somatic genetic analysis of cyclic AMP action: Selection of unresponsive mutants. Journal of Cellular Physiology, 1975, 85, 603-609.	4.1	124
11	Proteasome substrate degradation requires association plus extended peptide. EMBO Journal, 2007, 26, 123-131.	7.8	113
12	G1 and S phase mammalian cells synthesize histones at equivalent rates. Cell, 1980, 21, 195-204.	28.9	109
13	Kinase-negative mutants of S49 mouse lymphoma cells carry a trans-dominant mutation affecting expression of cAMP-dependent protein kinase. Cell, 1978, 15, 1351-1361.	28.9	102
14	Two-dimensional gel analysis of cyclic amp effects in cultured s49 mouse lymphoma cells: Protein modifications, inductions and repressions. Cell, 1979, 18, 719-733.	28.9	100
15	Somatic genetic analysis of cyclic AMP action: Characterization of unresponsive mutants. Journal of Cellular Physiology, 1975, 85, 611-619.	4.1	96
16	Ubiquitin-independent Mechanisms of Mouse Ornithine Decarboxylase Degradation Are Conserved between Mammalian and Fungal Cells. Journal of Biological Chemistry, 2003, 278, 12135-12143.	3.4	76
17	Glycineâ€“alanine repeats impair proper substrate unfolding by the proteasome. EMBO Journal, 2006, 25, 1720-1729.	7.8	73
18	Antizyme2 Is a Negative Regulator of Ornithine Decarboxylase and Polyamine Transport. Journal of Biological Chemistry, 1999, 274, 26425-26430.	3.4	71

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19	Antizyme, a mediator of ubiquitin-independent proteasomal degradation. Biochimie, 2001, 83, 319-323.	2.6	69
20	Repeat Sequence of Epstein-Barr Virus-encoded Nuclear Antigen 1 Protein Interrupts Proteasome Substrate Processing. Journal of Biological Chemistry, 2004, 279, 8635-8641.	3.4	64
21	An Easily Dissociated 26 S Proteasome Catalyzes an Essential Ubiquitin-mediated Protein Degradation Pathway in Trypanosoma brucei. Journal of Biological Chemistry, 2002, 277, 15486-15498.	3.4	59
22	A structural gene mutation affecting the regulatory subunit of cyclic AMP-dependent protein kinase in mouse lymphoma cells.. Proceedings of the National Academy of Sciences of the United States of America, 1975, 72, 5051-5055.	7.1	58
23	Regulation of mouse ornithine decarboxylase activity by cell growth, serum and tetradecanoyl phorbol acetate is governed primarily by sequences within the coding region of the gene. Nucleic Acids Research, 1989, 17, 9843-9860.	14.5	57
24	Structural elements of the ubiquitin-independent proteasome degron of ornithine decarboxylase. Biochemical Journal, 2008, 410, 401-407.	3.7	53
25	Increased histone mRNA levels during inhibition of protein synthesis. Biochemical and Biophysical Research Communications, 1983, 114, 131-137.	2.1	50
26	Proteasomes Begin Ornithine Decarboxylase Digestion at the C Terminus. Journal of Biological Chemistry, 2004, 279, 20959-20965.	3.4	49
27	Functional Asymmetries of Proteasome Translocase Pore. Journal of Biological Chemistry, 2012, 287, 18535-18543.	3.4	49
28	Cyclic amp-induced cytolysis in S49 cells: selection of an unresponsive â€œdeathlessâ€•mutant. Cell, 1977, 11, 149-155.	28.9	48
29	Killer polyamines?. Journal of Cellular Biochemistry, 1991, 45, 54-58.	2.6	45
30	Structural Elements of Antizymes 1 and 2 Are Required for Proteasomal Degradation of Ornithine Decarboxylase. Journal of Biological Chemistry, 2002, 277, 45957-45961.	3.4	44
31	Expression and post-transcriptional regulation of ornithine decarboxylase during early Xenopus development. FEBS Journal, 1991, 202, 575-581.	0.2	43
32	Dependence of Proteasome Processing Rate on Substrate Unfolding. Journal of Biological Chemistry, 2011, 286, 17495-17502.	3.4	41
33	Degradation of Ornithine Decarboxylase by the Mammalian and Yeast 26S Proteasome Complexes Requires all the Components of the Protease. FEBS Journal, 1995, 229, 276-283.	0.2	38
34	Î±5 subunit in Trypanosoma brucei proteasome can self-assemble to form a cylinder of four stacked heptamer rings. Biochemical Journal, 1999, 344, 349-358.	3.7	36
35	Complementation analysis of hormone-sensitive adenylate cyclase. Nature, 1978, 272, 720-722.	27.8	34
36	Regulated Degradation of Yeast Ornithine Decarboxylase. Journal of Biological Chemistry, 1999, 274, 25921-25926.	3.4	33

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37	The N Terminus of Antizyme Promotes Degradation of Heterologous Proteins. Journal of Biological Chemistry, 1996, 271, 4441-4446.	3.4	32
38	Transcriptional regulation of the ornithine decarboxylase gene by c-Myc/Max/Mad network and retinoblastoma protein interacting with c-Myc. International Journal of Biochemistry and Cell Biology, 2003, 35, 496-521.	2.8	32
39	Studies of cyclic AMP action using mutant tissue culture cells. In Vitro, 1978, 14, 140-145.	1.2	31
40	Nucleotide sequence of the mouse ornithine decarboxylase gene. Nucleic Acids Research, 1988, 16, 2731-2732.	14.5	30
41	Developmental effect of polyamine depletion in Caenorhabditis elegans. Biochemical Journal, 1998, 333, 309-315.	3.7	30
42	Probing the Ubiquitin/Proteasome System with Ornithine Decarboxylase, a Ubiquitinâ€Independent Substrate. Methods in Enzymology, 2005, 398, 399-413.	1.0	29
43	Identification of a Region of p53 That Confers Lability. Journal of Biological Chemistry, 1996, 271, 4447-4451.	3.4	27
44	Identification of Novel Therapeutic Targets for Fibrolamellar Carcinoma Using Patient-Derived Xenografts and Direct-from-Patient Screening. Cancer Discovery, 2021, 11, 2544-2563.	9.4	27
45	Î±5 subunit in Trypanosoma brucei proteasome can self-assemble to form a cylinder of four stacked heptamer rings. Biochemical Journal, 1999, 344, 349.	3.7	26
46	Slippery Substrates Impair Function of a Bacterial Protease ATPase by Unbalancing Translocation versus Exit. Journal of Biological Chemistry, 2013, 288, 13243-13257.	3.4	26
47	Molecular Mechanisms of Cyclic AMP Action: A Genetic Approach. , 1976, 32, 669-682.		25
48	Regulation of phosphodiesterase and ornithine decarboxylase by cAMP is cell cycle independent. Journal of Cellular Physiology, 1979, 101, 369-374.	4.1	24
49	Coexpression of mutant and wild type protein kinase in lymphoma cells resistant to dibutyryl cyclic AMP. Journal of Cellular Physiology, 1977, 92, 437-445.	4.1	23
50	Revertants of a trans-dominant S49 mouse lymphoma mutant that affects expression of cAMP-dependent protein kinase. Cell, 1983, 35, 311-320.	28.9	23
51	[2] Cultured S49 mouse T lymphoma cells. Methods in Enzymology, 1987, 151, 9-19.	1.0	19
52	Rat Antizyme Inhibits the Activity but Does Not Promote the Degradation of Mouse Ornithine Decarboxylase in Trypanosoma brucei. Journal of Biological Chemistry, 1995, 270, 10264-10271.	3.4	19
53	A genetic screen for <i>Saccharomyces cerevisiae</i> mutants affecting proteasome function, using a ubiquitinâ€independent substrate. Yeast, 2008, 25, 199-217.	1.7	18
54	Development of a method for screening short-lived proteins using green fluorescent protein. Genome Biology, 2004, 5, R81.	9.6	16

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55	Allosteric coupling between Î±-rings of the 20S proteasome. Nature Communications, 2020, 11, 4580.	12.8	16
56	Probable cloning artefacts previously interpreted as unusual leader sequences of rodent ornithine decarboxylase mRNAs â€" a cautionary tale. Gene, 1988, 69, 365-368.	2.2	15
57	Linkage genetics of mouse ornithine decarboxylase (Odc). Genomics, 1989, 5, 636-638.	2.9	15
58	Quantitative forward-mutation specificity of mono-functional alkylating agents, ICR-191, and aflatoxin B1 in mouse lymphoma cells. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1982, 95, 297-311.	1.0	13
59	Subunit interaction in cyclic AMP-dependent protein kinase of mutant lymphoma cells.. Proceedings of the National Academy of Sciences of the United States of America, 1977, 74, 1167-1171.	7.1	6
60	Crystallization of a mammalian ornithine decarboxylase. , 1996, 24, 266-268.		5
61	Hypoxanthine-guanine phosphoribosyl transferase with altered substrate affinity in mutant mouse lymphoma cells. Biochimica Et Biophysica Acta - Biomembranes, 1977, 483, 70-78.	2.6	4
62	Allostery Modulates Interactions between Proteasome Core Particles and Regulatory Particles. Biomolecules, 2022, 12, 764.	4.0	3
63	Hormonal regulation of cloned genes. Nature, 1981, 292, 492-493.	27.8	2
64	Ornithine decarboxylase of African trypanosomes. Biochemical Society Transactions, 1990, 18, 739-740.	3.4	2
65	Slippery Substrates Impair ATP-dependent Protease Function by Slowing Unfolding. Journal of Biological Chemistry, 2014, 289, 3826.	3.4	2
66	Receptors for Low-Molecular-Weight Hormones on Lymphocytes. , 1977, , 331-356.		2
67	Hormone-Mediated Lymphoma Cell Death: Mechanisms Of Glucocorticoid And Cyclic Amp Action. Journal of Investigative Dermatology, 1976, 67, 648-649.	0.7	1
68	Ubiquitin Proteasome System in Stress and Disease. Biochemistry Research International, 2012, 2012, 1-2.	3.3	1
69	Regulation of Lymphoma Cell Growth by Cyclic AMP. , 1979, , 43-47.		0
70	Ordering an Engagement Ring. Molecular Cell, 2010, 38, 319-320.	9.7	0
71	CYCLIC NUCLEOTIDES AND CONTROL OF CELL PROLIFERATION. , 1977, , 536.		0
72	SUMMARY REMARKS OF CHAIRMAN. , 1977, , 49-51.		0