

# Jane A Endicott

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9511727/publications.pdf>

Version: 2024-02-01

87  
papers

11,176  
citations

38742

50  
h-index

58581

82  
g-index

202  
all docs

202  
docs citations

202  
times ranked

11186  
citing authors

#	ARTICLE	IF	CITATIONS
1	THE BIOCHEMISTRY OF P-GLYCOPROTEIN-MEDIATED MULTIDRUG RESISTANCE. Annual Review of Biochemistry, 1989, 58, 137-171.	11.1	2,051
2	Protein Kinase Inhibitors: Insights into Drug Design from Structure. Science, 2004, 303, 1800-1805.	12.6	1,164
3	Indirubin, the active constituent of a Chinese antileukaemia medicine, inhibits cyclin-dependent kinases. Nature Cell Biology, 1999, 1, 60-67.	10.3	752
4	Homology between P-glycoprotein and a bacterial haemolysin transport protein suggests a model for multidrug resistance. Nature, 1986, 324, 485-489.	27.8	677
5	The structural basis for specificity of substrate and recruitment peptides for cyclin-dependent kinases. Nature Cell Biology, 1999, 1, 438-443.	10.3	509
6	The Structural Basis for Control of Eukaryotic Protein Kinases. Annual Review of Biochemistry, 2012, 81, 587-613.	11.1	362
7	Protein kinase inhibition by staurosporine revealed in details of the molecular interaction with CDK2. Nature Structural Biology, 1997, 4, 796-801.	9.7	243
8	Molecular Basis for the Recognition of Phosphorylated and Phosphoacetylated Histone H3 by 14-3-3. Molecular Cell, 2005, 20, 199-211.	9.7	220
9	Identification of Novel Purine and Pyrimidine Cyclin-Dependent Kinase Inhibitors with Distinct Molecular Interactions and Tumor Cell Growth Inhibition Profiles. Journal of Medicinal Chemistry, 2000, 43, 2797-2804.	6.4	203
10	Effects of Phosphorylation of Threonine 160 on Cyclin-dependent Kinase 2 Structure and Activity. Journal of Biological Chemistry, 1999, 274, 8746-8756.	3.4	198
11	Structure-based design of a potent purine-based cyclin-dependent kinase inhibitor. Nature Structural Biology, 2002, 9, 745-749.	9.7	198
12	CR8, a potent and selective, roscovitine-derived inhibitor of cyclin-dependent kinases. Oncogene, 2008, 27, 5797-5807.	5.9	165
13	Structural insights into the functional diversity of the CDK-cyclin family. Open Biology, 2018, 8, .	3.6	156
14	CDK1 structures reveal conserved and unique features of the essential cell cycle CDK. Nature Communications, 2015, 6, 6769.	12.8	145
15	Meriolins (3-(Pyrimidin-4-yl)-7-azaindoles): Synthesis, Kinase Inhibitory Activity, Cellular Effects, and Structure of a CDK2/Cyclin A/Meriolin Complex. Journal of Medicinal Chemistry, 2008, 51, 737-751.	6.4	144
16	Aloisines, a New Family of CDK/GSK-3 Inhibitors. SAR Study, Crystal Structure in Complex with CDK2, Enzyme Selectivity, and Cellular Effects. Journal of Medicinal Chemistry, 2003, 46, 222-236.	6.4	139
17	Inhibitor Binding to Active and Inactive CDK2. Structure, 2001, 9, 389-397.	3.3	137
18	Restoring p53 Function in Human Melanoma Cells by Inhibiting MDM2 and Cyclin B1/CDK1-Phosphorylated Nuclear iASPP. Cancer Cell, 2013, 23, 618-633.	16.8	136

#	ARTICLE	IF	CITATIONS
19	Isoindolinone Inhibitors of the Murine Double Minute 2 (MDM2)-p53 Protein-Protein Interaction: Structure-Activity Studies Leading to Improved Potency. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 1233-1243.	6.4	130
20	N2-Substituted O6-Cyclohexylmethylguanine Derivatives: A Potent Inhibitors of Cyclin-Dependent Kinases 1 and 2. <i>Journal of Medicinal Chemistry</i> , 2004, 47, 3710-3722.	6.4	116
21	Substituted 4-(Thiazol-5-yl)-2-(phenylamino)pyrimidines Are Highly Active CDK9 Inhibitors: Synthesis, X-ray Crystal Structures, Structure-Activity Relationship, and Anticancer Activities. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 640-659.	6.4	111
22	Cyclin-dependent kinases: inhibition and substrate recognition. <i>Current Opinion in Structural Biology</i> , 1999, 9, 738-744.	5.7	109
23	The cyclin box fold: protein recognition in cell-cycle and transcription control. <i>Trends in Biochemical Sciences</i> , 1997, 22, 482-487.	7.5	105
24	Meriolins, a New Class of Cell Death-Inducing Kinase Inhibitors with Enhanced Selectivity for Cyclin-Dependent Kinases. <i>Cancer Research</i> , 2007, 67, 8325-8334.	0.9	103
25	Analysis of Chemical Shift Changes Reveals the Binding Modes of Isoindolinone Inhibitors of the MDM2-p53 Interaction. <i>Journal of the American Chemical Society</i> , 2008, 130, 16038-16044.	13.7	102
26	The structure of CDK4/cyclin D3 has implications for models of CDK activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 4171-4176.	7.1	102
27	Structure-based design of cyclin-dependent kinase inhibitors. , 2002, 93, 125-133.		96
28	Recent developments in cyclin-dependent kinase biochemical and structural studies. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2010, 1804, 511-519.	2.3	96
29	Structures of <i>P. falciparum</i> PfPK5 Test the CDK Regulation Paradigm and Suggest Mechanisms of Small Molecule Inhibition. <i>Structure</i> , 2003, 11, 1329-1337.	3.3	91
30	Probing the ATP Ribose-Binding Domain of Cyclin-Dependent Kinases 1 and 2 with O6-Substituted Guanine Derivatives. <i>Journal of Medicinal Chemistry</i> , 2002, 45, 3381-3393.	6.4	90
31	Halogen Bonds Form the Basis for Selective P-TEFb Inhibition by DRB. <i>Chemistry and Biology</i> , 2010, 17, 931-936.	6.0	90
32	Mechanism of Lys48-linked polyubiquitin chain recognition by the Mud1 UBA domain. <i>EMBO Journal</i> , 2005, 24, 3178-3189.	7.8	87
33	Cyclin-Dependent Kinase Inhibition by New C-2 Alkynylated Purine Derivatives and Molecular Structure of a CDK2-Inhibitor Complex. <i>Journal of Medicinal Chemistry</i> , 2000, 43, 1282-1292.	6.4	86
34	How Tyrosine 15 Phosphorylation Inhibits the Activity of Cyclin-dependent Kinase 2-Cyclin A. <i>Journal of Biological Chemistry</i> , 2007, 282, 3173-3181.	3.4	85
35	Identification and Characterization of an Irreversible Inhibitor of CDK2. <i>Chemistry and Biology</i> , 2015, 22, 1159-1164.	6.0	85
36	Protein kinases as targets for antimalarial intervention: Kinomics, structure-based design, transmission-blockade, and targeting host cell enzymes. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2005, 1754, 132-150.	2.3	78

#	ARTICLE	IF	CITATIONS
37	Cyclin-Dependent Kinase (CDK) Inhibitors: Structure–Activity Relationships and Insights into the CDK-2 Selectivity of 6-Substituted 2-Arylamino-purines. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 1746-1767.	6.4	77
38	Differences in the Conformational Energy Landscape of CDK1 and CDK2 Suggest a Mechanism for Achieving Selective CDK Inhibition. <i>Cell Chemical Biology</i> , 2019, 26, 121-130.e5.	5.2	72
39	Cyclin-dependent kinase homologues of <i>Plasmodium falciparum</i> . <i>International Journal for Parasitology</i> , 2002, 32, 1575-1585.	3.1	71
40	Structure-Based design of 2-Arylamino-4-cyclohexylmethyl-5-nitroso-6-aminopyrimidine inhibitors of cyclin-Dependent kinases 1 and 2. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2003, 13, 3079-3082.	2.2	69
41	Structures of the Dsk2 UBL and UBA domains and their complex. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2006, 62, 177-188.	2.5	69
42	CDK Inhibitors Roscovitine and CR8 Trigger Mcl-1 Down-Regulation and Apoptotic Cell Death in Neuroblastoma Cells. <i>Genes and Cancer</i> , 2010, 1, 369-380.	1.9	67
43	A Code for RanGDP Binding in Ankyrin Repeats Defines a Nuclear Import Pathway. <i>Cell</i> , 2014, 157, 1130-1145.	28.9	67
44	Searching for Cyclin-Dependent Kinase Inhibitors Using a New Variant of the Cope Elimination. <i>Journal of the American Chemical Society</i> , 2006, 128, 6012-6013.	13.7	64
45	Structures of <i>P. falciparum</i> Protein Kinase 7 Identify an Activation Motif and Leads for Inhibitor Design. <i>Structure</i> , 2008, 16, 228-238.	3.3	62
46	FragLites—Minimal, Halogenated Fragments Displaying Pharmacophore Doublets. An Efficient Approach to Druggability Assessment and Hit Generation. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 3741-3752.	6.4	62
47	Structural studies with inhibitors of the cell cycle regulatory kinase cyclin-dependent protein kinase 2. , 2002, 93, 113-124.		61
48	Structure of Rpn10 and Its Interactions with Polyubiquitin Chains and the Proteasome Subunit Rpn12*. <i>Journal of Biological Chemistry</i> , 2010, 285, 33992-34003.	3.4	61
49	Complete cDNA sequences encoding the Chinese hamster P-glycoprotein gene family. <i>DNA Sequence</i> , 1991, 2, 89-101.	0.7	60
50	The structure of an MDM2–Nutlin-3a complex solved by the use of a validated MDM2 surface-entropy reduction mutant. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2013, 69, 1358-1366.	2.5	59
51	4-Alkoxy-2,6-diaminopyrimidine derivatives: inhibitors of cyclin dependent kinases 1 and 2. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2003, 13, 217-222.	2.2	54
52	N&N, a new class of cell death-inducing kinase inhibitors derived from the purine roscovitine. <i>Molecular Cancer Therapeutics</i> , 2008, 7, 2713-2724.	4.1	51
53	Comparative Structural and Functional Studies of 4-(Thiazol-5-yl)-2-(phenylamino)pyrimidine-5-carbonitrile CDK9 Inhibitors Suggest the Basis for Isotype Selectivity. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 660-670.	6.4	51
54	Differential Regulation of G1 CDK Complexes by the Hsp90-Cdc37 Chaperone System. <i>Cell Reports</i> , 2017, 21, 1386-1398.	6.4	49

#	ARTICLE	IF	CITATIONS
55	The CDK9 C-helix Exhibits Conformational Plasticity That May Explain the Selectivity of CAN508. ACS Chemical Biology, 2012, 7, 811-816.	3.4	45
56	A procedure for setting up high-throughput nanolitre crystallization experiments. II. Crystallization results. Journal of Applied Crystallography, 2003, 36, 315-318.	4.5	43
57	Dissecting the Determinants of Cyclin-Dependent Kinase 2 and Cyclin-Dependent Kinase 4 Inhibitor Selectivity. Journal of Medicinal Chemistry, 2006, 49, 5470-5477.	6.4	39
58	Structure-based discovery of cyclin-dependent protein kinase inhibitors. Essays in Biochemistry, 2017, 61, 439-452.	4.7	39
59	MDM2-p53 protein-protein interaction inhibitors: A-ring substituted isoindolinones. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 5916-9.	2.2	36
60	Structural characterization of the cyclin-dependent protein kinase family. Biochemical Society Transactions, 2013, 41, 1008-1016.	3.4	35
61	Chemical Inhibitors of Cyclin-Dependent Kinases. , 1999, 82, 269-278.		33
62	The CDK9 Tail Determines the Reaction Pathway of Positive Transcription Elongation Factor b. Structure, 2012, 20, 1788-1795.	3.3	32
63	Cyclin-dependent kinase inhibitors. Progress in Cell Cycle Research, 2003, 5, 235-48.	0.9	31
64	Structure-Based Design of Potent and Orally Active Isoindolinone Inhibitors of MDM2-p53 Protein-Protein Interaction. Journal of Medicinal Chemistry, 2021, 64, 4071-4088.	6.4	30
65	Budding yeast Dsk2 protein forms a homodimer via its C-terminal UBA domain. Biochemical and Biophysical Research Communications, 2005, 336, 530-535.	2.1	28
66	Exploiting structural principles to design cyclin-dependent kinase inhibitors. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2005, 1754, 58-64.	2.3	27
67	An Inhibitor's-Eye View of the ATP-Binding Site of CDKs in Different Regulatory States. ACS Chemical Biology, 2014, 9, 1251-1256.	3.4	27
68	A new crystal form of Lys48-linked diubiquitin. Acta Crystallographica Section F: Structural Biology Communications, 2010, 66, 994-998.	0.7	26
69	Structural and functional characterization of Rpn12 identifies residues required for Rpn10 proteasome incorporation. Biochemical Journal, 2012, 448, 55-65.	3.7	23
70	Structure-based design of 2-arylamino-4-cyclohexylmethoxy-5-nitroso-6-aminopyrimidine inhibitors of cyclin-dependent kinase 2. Organic and Biomolecular Chemistry, 2007, 5, 1577.	2.8	16
71	Understanding Small-Molecule Binding to MDM2: Insights into Structural Effects of Isoindolinone Inhibitors from NMR Spectroscopy. Chemical Biology and Drug Design, 2011, 77, 301-308.	3.2	15
72	8-Substituted 6-Cyclohexylmethylguanidine CDK2 Inhibitors: Using Structure-Based Inhibitor Design to Optimize an Alternative Binding Mode. Journal of Medicinal Chemistry, 2014, 57, 56-70.	6.4	15

#	ARTICLE	IF	CITATIONS
73	Identification of a novel ligand for the ATAD2 bromodomain with selectivity over BRD4 through a fragment growing approach. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 1843-1850.	2.8	15
74	Identification of a novel orally bioavailable ERK5 inhibitor with selectivity over p38 $\beta$ and BRD4. <i>European Journal of Medicinal Chemistry</i> , 2019, 178, 530-543.	5.5	15
75	Structural principles in cell-cycle control: beyond the CDKs. <i>Structure</i> , 1998, 6, 535-541.	3.3	14
76	Methods for Preparation of Proteins and Protein Complexes That Regulate the Eukaryotic Cell Cycle for Structural Studies. , 2005, 296, 219-236.		13
77	Inhibition of the cell cycle with chemical inhibitors: A targeted approach. <i>Seminars in Cell and Developmental Biology</i> , 2005, 16, 369-381.	5.0	13
78	Chatterboxes: the structural and functional diversity of cyclins. <i>Seminars in Cell and Developmental Biology</i> , 2020, 107, 4-20.	5.0	11
79	Discriminative SKP2 Interactions with CDK-Cyclin Complexes Support a Cyclin A-Specific Role in p27KIP1 Degradation. <i>Journal of Molecular Biology</i> , 2021, 433, 166795.	4.2	10
80	An Alkynylpyrimidine-Based Covalent Inhibitor That Targets a Unique Cysteine in NF- $\kappa$ B-Inducing Kinase. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 10001-10018.	6.4	9
81	Multidrug Resistance and P-Glycoprotein Expression. , 1988, , 197-209.		9
82	The role of structure in kinase-targeted inhibitor design. <i>Current Opinion in Drug Discovery &amp; Development</i> , 2004, 7, 428-36.	1.9	6
83	The Ubiquitin-associated (UBA) 1 Domain of <i>Schizosaccharomyces pombe</i> Rhp23 Is Essential for the Recognition of Ubiquitin-proteasome System Substrates Both in Vitro and in Vivo*. <i>Journal of Biological Chemistry</i> , 2012, 287, 42344-42351.	3.4	5
84	Xenopus Phospho-CDK7/Cyclin H Expressed in Baculoviral-Infected Insect Cells. <i>Protein Expression and Purification</i> , 2001, 23, 252-260.	1.3	4
85	Parallel Optimization of Potency and Pharmacokinetics Leading to the Discovery of a Pyrrole Carboxamide ERK5 Kinase Domain Inhibitor. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 6513-6540.	6.4	3
86	Structural biology of cell-cycle proteins. <i>Drug Discovery Today: TARGETS</i> , 2004, 3, 136-142.	0.5	2
87	Pass the protein. <i>Nature</i> , 2007, 445, 375-376.	27.8	0