David Morgan

List of Publications by Year
in descending order

131 papers	28,316 citations	13332 70 h-index	15698 129 g-index
146 all docs	146 docs citations	146 times ranked	20888 citing authors

#	Article	IF	Citations
1	Multisite phosphorylation by Cdk1 initiates delayed negative feedback to control mitotic transcription. Current Biology, 2022, 32, 256-263.e4.	1.8	7
2	Single-molecule analysis of specificity and multivalency in binding of short linear substrate motifs to the APC/C. Nature Communications, 2022, 13, 341.	5.8	5
3	Structural basis of human separase regulation by securin and CDK1â€“cyclin B1. Nature, 2021, 596, 138-142.	13.7	51
4	Phosphoregulation of Phase Separation by the SARS-CoV-2ÂN Protein Suggests a Biophysical Basis for its Dual Functions. Molecular Cell, 2020, 80, 1092-1103.e4.	4.5	253
5	The pseudosubstrate inhibitor Acm1 inhibits the anaphase-promoting complex/cyclosome by combining high-affinity activator binding with disruption of Doc1/Apc10 function. Journal of Biological Chemistry, 2019, 294, 17249-17261.	1.6	8
6	Cohesin cleavage by separase is enhanced by a substrate motif distinct from the cleavage site. Nature Communications, 2019, 10, 5189.	5.8	23
7	Polyanions provide selective control of APC/C interactions with the activator subunit. Nature Communications, 2019, 10, 5807.	5.8	9
8	Firing of Replication Origins Frees Dbf4-Cdc7 to Target Eco1 for Destruction. Current Biology, 2017, 27, 2849-2855.e2.	1.8	18
9	Building a Regulatory Network with Short Linear Sequence Motifs: Lessons from the Degrons of the Anaphase-Promoting Complex. Molecular Cell, 2016, 64, 12-23.	4.5	132
10	Cell Size Determines the Strength of the Spindle Assembly Checkpoint during Embryonic Development. Developmental Cell, 2016, 36, 344-352.	3.1	69
11	Quantitative framework for ordered degradation of APC/C substrates. BMC Biology, 2015, 13, 96.	1.7	23
12	An E2 Accessory Domain Increases Affinity for the Anaphase-promoting Complex and Ensures E2 Competition. Journal of Biological Chemistry, 2015, 290, 24614-24625.	1.6	5
13	Sgo1 recruits PP2A to chromosomes to ensure sister chromatid bi-orientation in mitosis. Journal of Cell Science, 2014, 127, 4974-83.	1.2	39
14	Cdk1-dependent phosphorylation of Iqg1 governs actomyosin ring assembly prior to cytokinesis. Journal of Cell Science, 2014, 127, 1128-37.	1.2	17
15	Co-activator independent differences in how the metaphase and anaphase APC/C recognise the same substrate. Biology Open, 2014, 3, 904-912.	0.6	9
16	Multiple mechanisms determine the order of APC/C substrate degradation in mitosis. Journal of Cell Biology, 2014, 207, 23-39.	2.3	68
17	Activation of the APC/C Ubiquitin Ligase by Enhanced E2 Efficiency. Current Biology, 2014, 24, 1556-1562.	1.8	41
18	The D Box Meets Its Match. Molecular Cell, 2013, 50, 609-610.	4.5	5

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19	Staurosporine-Derived Inhibitors Broaden the Scope of Analog-Sensitive Kinase Technology. Journal of the American Chemical Society, 2013, 135, 18153-18159.	6.6	31
20	Sequential primed kinases create a damage-responsive phosphodegron on Eco1. Nature Structural and Molecular Biology, 2013, 20, 194-201.	3.6	70
21	The APC/C Subunit Mnd2/Apc15 Promotes Cdc20 Autoubiquitination and Spindle Assembly Checkpoint Inactivation. Molecular Cell, 2012, 47, 921-932.	4.5	103
22	Separase Biosensor Reveals that Cohesin Cleavage Timing Depends on Phosphatase PP2ACdc55 Regulation. Developmental Cell, 2012, 23, 124-136.	3.1	39
23	Cascades of multisite phosphorylation control Sic1 destruction at the onset of S phase. Nature, 2011, 480, 128-131.	13.7	202
24	Cdk1-Dependent Destruction of Eco1 Prevents Cohesion Establishment after S Phase. Molecular Cell, 2011, 42, 378-389.	4.5	72
25	Dynamics of Cdk1 Substrate Specificity during the Cell Cycle. Molecular Cell, 2011, 42, 610-623.	4.5	139
26	Ubiquitination of Cdc20 by the APC Occurs through an Intramolecular Mechanism. Current Biology, 2011, 21, 1870-1877.	1.8	40
27	Protein-linked Ubiquitin Chain Structure Restricts Activity of Deubiquitinating Enzymes. Journal of Biological Chemistry, 2011, 286, 45186-45196.	1.6	52
28	Catalysis of Lysine 48-Specific Ubiquitin Chain Assembly by Residues in E2 and Ubiquitin. Molecular Cell, 2010, 39, 548-559.	4.5	80
29	The Hidden Rhythms of the Dividing Cell. Cell, 2010, 141, 224-226.	13.5	7
30	The Anaphase-promoting Complex Promotes Actomyosin-Ring Disassembly during Cytokinesis in Yeast. Molecular Biology of the Cell, 2009, 20, 1201-1212.	0.9	33
31	Mechanisms of ubiquitin transfer by the anaphase-promoting complex. Journal of Biology, 2009, 8, 92.	2.7	24
32	Cyclin-dependent kinases: a family portrait. Nature Cell Biology, 2009, 11, 1275-1276.	4.6	381
33	Global Analysis of Cdk1 Substrate Phosphorylation Sites Provides Insights into Evolution. Science, 2009, 325, 1682-1686.	6.0	821
34	Functionally Distinct Isoforms of Cik1 Are Differentially Regulated by APC/C-Mediated Proteolysis. Molecular Cell, 2009, 33, 581-590.	4.5	30
35	Analysis of Activator-Binding Sites on the APC/C Supports a Cooperative Substrate-Binding Mechanism. Molecular Cell, 2009, 34, 68-80.	4.5	88
36	Positive feedback sharpens the anaphase switch. Nature, 2008, 454, 353-357.	13.7	173

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37	Modulation of the Mitotic Regulatory Network by APC-Dependent Destruction of the Cdh1 Inhibitor Acm1. Molecular Cell, 2008, 30, 437-446.	4.5	59
38	Cyclin-Specific Control of Ribosomal DNA Segregation. Molecular and Cellular Biology, 2008, 28, 5328-5336.	1.1	20
39	Covalent capture of kinase-specific phosphopeptides reveals Cdk1-cyclin B substrates. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 1442-1447.	3.3	274
40	Tetratricopeptide repeats in the anaphaseâ€promoting complex provide multiple activator binding sites. FASEB Journal, 2008, 22, 636.2.	0.2	0
41	Polyubiquitination determinants on Ubc1, an APCâ€dependent E2. FASEB Journal, 2008, 22, 605.4.	0.2	0
42	A Novel Destruction Sequence Targets the Meiotic Regulator Spo13 for Anaphase-promoting Complex-dependent Degradation in Anaphase I. Journal of Biological Chemistry, 2007, 282, 19710-19715.	1.6	37
43	The Role of Self-association in Fin1 Function on the Mitotic Spindle. Journal of Biological Chemistry, 2007, 282, 32138-32143.	1.6	9
44	Identification of Yeast IQGAP (Iqg1p) as an Anaphase-Promoting-Complex Substrate and Its Role in Actomyosin-Ring-Independent Cytokinesis. Molecular Biology of the Cell, 2007, 18, 5139-5153.	0.9	59
45	Sequential E2s Drive Polyubiquitin Chain Assembly on APC Targets. Cell, 2007, 130, 127-139.	13.5	227
46	Evolution of Ime2 Phosphorylation Sites on Cdk1 Substrates Provides a Mechanism to Limit the Effects of the Phosphatase Cdc14 in Meiosis. Molecular Cell, 2007, 25, 689-702.	4.5	70
47	A Coupled Chemical-Genetic and Bioinformatic Approach to Polo-like Kinase Pathway Exploration. Chemistry and Biology, 2007, 14, 1261-1272.	6.2	75
48	Cdk and APC activities limit the spindle-stabilizing function of Fin1 to anaphase. Nature Cell Biology, 2007, 9, 106-112.	4.6	110
49	Inhibition of CDK1 as a potential therapy for tumors over-expressing MYC. Nature Medicine, 2007, 13, 820-827.	15.2	283
50	Finishing mitosis, one step at a time. Nature Reviews Molecular Cell Biology, 2007, 8, 894-903.	16.1	309
51	An architectural map of the anaphase-promoting complex. Genes and Development, 2006, 20, 449-460.	2.7	135
52	Cyclin specificity in the phosphorylation of cyclin-dependent kinase substrates. Nature, 2005, 434, 104-108.	13.7	343
53	The APC Subunit Doc1 Promotes Recognition of the Substrate Destruction Box. Current Biology, 2005, 15, 11-18.	1.8	112
54	Enzymology of the Anaphaseâ€Promoting Complex. Methods in Enzymology, 2005, 398, 219-230.	0.4	30

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55	Targets of the cyclin-dependent kinase Cdk1. Nature, 2003, 425, 859-864.	13.7	835
56	Inhibitor Scaffolds as New Allele Specific Kinase Substrates. Journal of the American Chemical Society, 2002, 124, 12118-12128.	6.6	56
57	Oscillation sensation. Nature, 2002, 418, 495-496.	13.7	23
58	The Doc1 subunit is a processivity factor for the anaphase-promoting complex. Nature Cell Biology, 2002, 4, 880-887.	4.6	121
59	Reciprocal Activation by Cyclin-Dependent Kinases 2 and 7 Is Directed by Substrate Specificity Determinants outside the T Loop. Molecular and Cellular Biology, 2001, 21, 88-99.	1.1	68
60	Kaposi's Sarcoma-Associated Herpesvirus K-bZIP Protein Is Phosphorylated by Cyclin-Dependent Kinases. Journal of Virology, 2001, 75, 3175-3184.	1.5	73
61	A chemical switch for inhibitor-sensitive alleles of any protein kinase. Nature, 2000, 407, 395-401.	13.7	1,001
62	Control of mitosis by changes in the subcellular location of cyclin-B1â€"Cdk1 and Cdc25C. Current Opinion in Cell Biology, 2000, 12, 658-665.	2.6	350
63	Cdc14 activates Cdc15 to promote mitotic exit in budding yeast. Current Biology, 2000, 10, 615-618.	1.8	163
64	Cdc37 Promotes the Stability of Protein Kinases Cdc28 and Cak1. Molecular and Cellular Biology, 2000, 20, 749-754.	1.1	61
65	Ran-independent nuclear import of cyclin B1-Cdc2 by importin Â. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 7938-7943.	3.3	77
66	Structural basis for selective inhibition of Src family kinases by PP1. Chemistry and Biology, 1999, 6, 671-678.	6.2	227
67	Regulation of the APC and the exit from mitosis. Nature Cell Biology, 1999, 1, E47-E53.	4.6	334
68	Inhibitory phosphorylation of the APC regulator Hct1 is controlled by the kinase Cdc28 and the phosphatase Cdc14. Current Biology, 1999, 9, 227-236.	1.8	392
69	Pds1 and Esp1 control both anaphase and mitotic exit in normal cells and after DNA damage. Genes and Development, 1999, 13, 1936-1949.	2.7	148
70	The Polo-related kinase Cdc5 activates and is destroyed by the mitotic cyclin destruction machinery in S. cerevisiae. Current Biology, 1998, 8, 497-507.	1.8	233
71	Exploiting Chemical Libraries, Structure, and Genomics in the Search for Kinase Inhibitors. , 1998, 281, 533-538.		707
72	Nuclear Localization of Cyclin B1 Controls Mitotic Entry After DNA Damage. Journal of Cell Biology, 1998, 141, 875-885.	2.3	271

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73	A Late Mitotic Regulatory Network Controlling Cyclin Destruction in<i>Saccharomyces cerevisiae</i>. Molecular Biology of the Cell, 1998, 9, 2803-2817.	0.9	295
74	Cak1 Is Required for Kin28 Phosphorylation and Activation In Vivo. Molecular and Cellular Biology, 1998, 18, 6365-6373.	1.1	66
75	Control of eukaryotic cell cycle progression by phosphorylation of cyclin-dependent kinases. Cancer Journal From Scientific American, 1998, 4 Suppl 1, S77-83.	0.9	8
76	The HIV transactivator TAT binds to the CDK-activating kinase and activates the phosphorylation of the carboxy-terminal domain of RNA polymeraseâ€‰II. Genes and Development, 1997, 11, 2645-2657.	2.7	194
77	CYCLIN-DEPENDENT KINASES: Engines, Clocks, and Microprocessors. Annual Review of Cell and Developmental Biology, 1997, 13, 261-291.	4.0	1,937
78	The dynamics of cyclin dependent kinase structure. Current Opinion in Cell Biology, 1996, 8, 767-772.	2.6	91
79	A Cyclin-Dependent Kinase-Activating Kinase (CAK) in Budding Yeast Unrelated to Vertebrate CAK. Science, 1996, 273, 1714-1717.	6.0	174
80	CAK in TFIIH: crucial connection or confounding coincidence?. Biochimica Et Biophysica Acta: Reviews on Cancer, 1996, 1288, O7-O10.	3.3	5
81	Three-dimensional structure of human cyclin H, a positive regulator of the CDK-activating kinase. Nature Structural and Molecular Biology, 1996, 3, 849-855.	3.6	69
82	Under arrest at atomic resolution. Nature, 1996, 382, 295-296.	13.7	14
83	Role of inhibitory CDC2 phosphorylation in radiation-induced G2 arrest in human cells.. Journal of Cell Biology, 1996, 134, 963-970.	2.3	255
84	Cdc37 is required for association of the protein kinase Cdc28 with G1 and mitotic cyclins.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 4651-4655.	3.3	136
85	Multiple modes of ligand recognition: Crystal structures of cyclin-dependent protein kinase 2 in complex with ATP and two inhibitors, olomoucine and isopentenyladenine. Proteins: Structure, Function and Bioinformatics, 1995, 22, 378-391.	1.5	258
86	Principles of CDK regulation. Nature, 1995, 374, 131-134.	13.7	3,168
87	Cdk-activating kinase complex is a component of human transcription factor TFIIH. Nature, 1995, 374, 283-287.	13.7	430
88	Effects of Phosphorylation by CAK on Cyclin Binding by CDC2 and CDK2. Molecular and Cellular Biology, 1995, 15, 345-350.	1.1	139
89	c-Src enhances the spreading of src-/- fibroblasts on fibronectin by a kinase-independent mechanism.. Genes and Development, 1995, 9, 1505-1517.	2.7	293
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92	Cell cycle control by a complex of the cyclin HCS26 (PCL1) and the kinase PHO85. Science, 1994, 266, 1388-1391.	6.0	162
93	A novel cyclin associates with M015/CDK7 to form the CDK-activating kinase. Cell, 1994, 78, 713-724.	13.5	633
94	Protein kinase regulation: insights from crystal structure analysis. Current Opinion in Cell Biology, 1994, 6, 239-246.	2.6	102
95	PITALRE, a nuclear CDC2-related protein kinase that phosphorylates the retinoblastoma protein in vitro.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 3834-3838.	3.3	220
96	Activation of cyclin-dependent kinase 4 (cdk4) by mouse MO15-associated kinase.. Molecular and Cellular Biology, 1994, 14, 7265-7275.	1.1	198
97	Activation of cyclin-dependent kinase 4 (cdk4) by mouse MO15-associated kinase. Molecular and Cellular Biology, 1994, 14, 7265-7275.	1.1	99
98	Distinct sub-populations of the retinoblastoma protein show a distinct pattern of phosphorylation. EMBO Journal, 1994, 13, 118-27.	3.5	49
99	Association of the amino-terminal half of c-Src with focal adhesions alters their properties and is regulated by phosphorylation of tyrosine 527. EMBO Journal, 1994, 13, 4745-56.	3.5	93
100	Crystal structure of cyclin-dependent kinase 2. Nature, 1993, 363, 595-602.	13.7	979
101	Inhibition of CDK2 activity in vivo by an associated 20K regulatory subunit. Nature, 1993, 366, 707-710.	13.7	754
102	Purification and Crystallization of Human Cyclin-dependent Kinase 2. Journal of Molecular Biology, 1993, 230, 1317-1319.	2.0	65
103	Suppression of c-Src activity by C-terminal Src kinase involves the c-Src SH2 and SH3 domains: analysis with Saccharomyces cerevisiae.. Molecular and Cellular Biology, 1993, 13, 5290-5300.	1.1	132
104	Suppression of c-Src Activity by C-Terminal Src Kinase Involves the c-Src SH2 and SH3 Domains: Analysis with <i>Saccharomyces cerevisiae</i>. Molecular and Cellular Biology, 1993, 13, 5290-5300.	1.1	50
105	Association of p60c-src with endosomal membranes in mammalian fibroblasts.. Journal of Cell Biology, 1992, 118, 321-333.	2.3	229
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109	Cell cycle control in normal and neoplastic cells. Current Opinion in Genetics and Development, 1992, 2, 33-37.	1.5	45
110	Cell cycle regulation of CDK2 activity by phosphorylation of Thr160 and Tyr15. EMBO Journal, 1992, 11, 3995-4005.	3.5	255
111	[53] Production of p60c-src by baculovirus expression and immunoaffinity purification. Methods in Enzymology, 1991, 200, 645-660.	0.4	30
112	Mitosis-specific phosphorylation of p60c-src by p34cdc2-associated protein kinase. Cell, 1989, 57, 775-786.	13.5	247
113	Analysis of intracellular protein function by antibody injection. Trends in Immunology, 1988, 9, 84-88.	7.5	31
114	A Membrane-Anchored Cytoplasmic Domain of the Human Insulin Receptor Mediates a Constitutively Elevated Insulin-Independent Uptake of 2-Deoxyglucose*. Molecular Endocrinology, 1987, 1, 15-24.	3.7	90
115	Acute insulin action requires insulin receptor kinase activity: introduction of an inhibitory monoclonal antibody into mammalian cells blocks the rapid effects of insulin.. Proceedings of the National Academy of Sciences of the United States of America, 1987, 84, 41-45.	3.3	238
116	Heterologous transmembrane signaling by a human insulin receptor-v-ros hybrid in Chinese hamster ovary cells.. Proceedings of the National Academy of Sciences of the United States of America, 1987, 84, 5101-5105.	3.3	52
117	Interactions of the receptor for insulin-like growth factor II with mannose-6-phosphate and antibodies to the mannose-6-phosphate receptor. Biochemical and Biophysical Research Communications, 1987, 149, 600-606.	1.0	92
118	The Human Insulin Receptor Cdna: A New Tool to study the Function of this Receptor. Journal of Receptors and Signal Transduction, 1987, 7, 377-404.	1.2	1
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120	Insulin-like growth factor II receptor as a multifunctional binding protein. Nature, 1987, 329, 301-307.	13.7	878
121	The receptor for insulin-like growth factor II mediates an insulin-like response. EMBO Journal, 1987, 6, 3367-71.	3.5	23
122	Identification of a monoclonal antibody which can distinguish between two distinct species of the type I receptor for insulin-like growth factor. Biochemical and Biophysical Research Communications, 1986, 138, 1341-1347.	1.0	43
123	Purification and characterization of the receptor for insulin-like growth factor I. Biochemistry, 1986, 25, 5560-5564.	1.2	79
124	Mapping surface structures of the human insulin receptor with monoclonal antibodies: localization of main immunogenic regions to the receptor kinase domain. Biochemistry, 1986, 25, 1364-1371.	1.2	88
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126	Insulin and insulinlike growth factor receptors and responses in cultured human muscle cells. American Journal of Physiology - Endocrinology and Metabolism, 1986, 251, E611-E615.	1.8	36

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127	Insulin action is blocked by a monoclonal antibody that inhibits the insulin receptor kinase.. Proceedings of the National Academy of Sciences of the United States of America, 1986, 83, 328-332.	3.3	154
128	Linking functional domains of the human insulin receptor with the bacterial aspartate receptor.. Proceedings of the National Academy of Sciences of the United States of America, 1986, 83, 8137-8141.	3.3	30
129	Purification and characterization of the human brain insulin receptor. Journal of Biological Chemistry, 1986, 261, 3753-7.	1.6	50
130	PLATE BINDING ASSAY FOR MONOCLONAL ANTIâ€"RECEPTOR ANTIBODIES. Endocrinology, 1985, 116, 1224-1226.	1.4	25
131	Effects of covalently linked insulin dimers on receptor kinase activity and receptor down regulation. FEBS Letters, 1984, 170, 360-364.	1.3	14