Robert P Fisher

List of Publications by Year
in descending order

52 papers	4,488 citations	117625 34 h-index	182427 51 g-index
107 all docs	107 docs citations	107 times ranked	4894 citing authors

#	Article	IF	Citations
1	A novel cyclin associates with M015/CDK7 to form the CDK-activating kinase. Cell, 1994, 78, 713-724.	28.9	633
2	Cyclin-dependent kinase control of the initiation-to-elongation switch of RNA polymerase II. Nature Structural and Molecular Biology, 2012, 19, 1108-1115.	8.2	556
3	Secrets of a double agent: CDK7 in cell-cycle control and transcription. Journal of Cell Science, 2005, 118, 5171-5180.	2.0	288
4	TFIIH-Associated Cdk7 Kinase Functions in Phosphorylation of C-Terminal Domain Ser7 Residues, Promoter-Proximal Pausing, and Termination by RNA Polymerase II. Molecular and Cellular Biology, 2009, 29, 5455-5464.	2.3	274
5	Chemical genetics reveals the requirement for Polo-like kinase 1 activity in positioning RhoA and triggering cytokinesis in human cells. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 4383-4388.	7.1	228
6	Requirements for Cdk7 in the Assembly of Cdk1/Cyclin B and Activation of Cdk2 Revealed by Chemical Genetics in Human Cells. Molecular Cell, 2007, 25, 839-850.	9.7	221
7	The structure and substrate specificity of human Cdk12/Cyclin K. Nature Communications, 2014, 5, 3505.	12.8	141
8	A Cdk7-Cdk4 T-Loop Phosphorylation Cascade Promotes G1 Progression. Molecular Cell, 2013, 50, 250-260.	9.7	115
9	p27^{Kip1} Inhibits Cyclin D-Cyclin-Dependent Kinase 4 by Two Independent Modes. Molecular and Cellular Biology, 2009, 29, 986-999.	2.3	107
10	P-TEFb regulation of transcription termination factor Xrn2 revealed by a chemical genetic screen for Cdk9 substrates. Genes and Development, 2016, 30, 117-131.	5.9	105
11	A Cdk9â€“PP1 switch regulates the elongationâ€“termination transition of RNA polymerase II. Nature, 2018, 558, 460-464.	27.8	105
12	TFIIH and P-TEFb Coordinate Transcription with Capping Enzyme Recruitment at Specific Genes in Fission Yeast. Molecular Cell, 2009, 33, 738-751.	9.7	101
13	Cdk7: a kinase at the core of transcription and in the crosshairs of cancer drug discovery. Transcription, 2019, 10, 47-56.	3.1	93
14	Dichotomous but stringent substrate selection by the dual-function Cdk7 complex revealed by chemical genetics. Nature Structural and Molecular Biology, 2006, 13, 55-62.	8.2	86
15	The CDK Network: Linking Cycles of Cell Division and Gene Expression. Genes and Cancer, 2012, 3, 731-738.	1.9	86
16	Distinct Activation Pathways Confer Cyclin-Binding Specificity on Cdk1 and Cdk2 in Human Cells. Molecular Cell, 2008, 32, 662-672.	9.7	78
17	Switching Cdk2 On or Off with Small Molecules to Reveal Requirements in Human Cell Proliferation. Molecular Cell, 2011, 42, 624-636.	9.7	76
18	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.	2.3	68

#	Article	IF	Citations
19	Cdk9 regulates a promoter-proximal checkpoint to modulate RNA polymerase II elongation rate in fission yeast. Nature Communications, 2018, 9, 543.	12.8	66
20	Activation of the p53 Transcriptional Program Sensitizes Cancer Cells to Cdk7 Inhibitors. Cell Reports, 2017, 21, 467-481.	6.4	65
21	Chemical-genetic analysis of cyclin dependent kinase 2 function reveals an important role in cellular transformation by multiple oncogenic pathways. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E1019-27.	7.1	64
22	Cdc2 activation in fission yeast depends on Mcs6 and Csk1, two partially redundant Cdk-activating kinases (CAKs). Current Biology, 1999, 9, 441-444.	3.9	59
23	Dissecting the Pol II transcription cycle and derailing cancer with CDK inhibitors. Nature Chemical Biology, 2020, 16, 716-724.	8.0	56
24	Behind the wheel and under the hood: Functions of cyclin-dependent kinases in response to DNA damage. DNA Repair, 2009, 8, 1018-1024.	2.8	55
25	Chemical Genetics Reveals a Specific Requirement for Cdk2 Activity in the DNA Damage Response and Identifies Nbs1 as a Cdk2 Substrate in Human Cells. PLoS Genetics, 2012, 8, e1002935.	3.5	54
26	Impairment of the TFIIH-associated CDK-activating Kinase Selectively Affects Cell Cycle-regulated Gene Expression in Fission Yeast. Molecular Biology of the Cell, 2005, 16, 2734-2745.	2.1	53
27	The Cyclin-Dependent Kinase (CDK) Family Member PNQALRE/CCRK Supports Cell Proliferation but has no Intrinsic CDK-Activating Kinase (CAK) Activity. Cell Cycle, 2006, 5, 546-554.	2.6	53
28	A Positive Feedback Loop Links Opposing Functions of P-TEFb/Cdk9 and Histone H2B Ubiquitylation to Regulate Transcript Elongation in Fission Yeast. PLoS Genetics, 2012, 8, e1002822.	3.5	53
29	Cyclin-Dependent Kinase 9 (Cdk9) of Fission Yeast Is Activated by the CDK-Activating Kinase Csk1, Overlaps Functionally with the TFIIH-Associated Kinase Mcs6, and Associates with the mRNA Cap Methyltransferase Pcm1 In Vivo. Molecular and Cellular Biology, 2006, 26, 777-788.	2.3	51
30	Pause, play, repeat. Transcription, 2013, 4, 146-152.	3.1	51
31	The PAF Complex and Prf1/Rtf1 Delineate Distinct Cdk9-Dependent Pathways Regulating Transcription Elongation in Fission Yeast. PLoS Genetics, 2013, 9, e1004029.	3.5	45
32	A CDK-Activating Kinase Network Is Required in Cell Cycle Control and Transcription in Fission Yeast. Current Biology, 2002, 12, 1100-1105.	3.9	43
33	The CDK-activating kinase Cdk7. Cell Cycle, 2013, 12, 3239-3240.	2.6	41
34	Neonatal expression of RNA-binding protein IGF2BP3 regulates the human fetal-adult megakaryocyte transition. Journal of Clinical Investigation, 2017, 127, 2365-2377.	8.2	39
35	Getting to S: CDK functions and targets on the path to cell-cycle commitment. F1000Research, 2016, 5, 2374.	1.6	37
36	Distinct Cdk9-phosphatase switches act at the beginning and end of elongation by RNA polymerase II. Nature Communications, 2020, 11, 4338.	12.8	37

#	Article	IF	Citations
37	Separate Domains of Fission Yeast Cdk9 (P-TEFb) Are Required for Capping Enzyme Recruitment and Primed (Ser7-Phosphorylated) Rpb1 Carboxyl-Terminal Domain Substrate Recognition. Molecular and Cellular Biology, 2012, 32, 2372-2383.	2.3	32
38	Protein phosphatases in the RNAPII transcription cycle: erasers, sculptors, gatekeepers, and potential drug targets. Genes and Development, 2021, 35, 658-676.	5.9	29
39	Glucocorticoid-induced phosphorylation by CDK9 modulates the coactivator functions of transcriptional cofactor GRIP1 in macrophages. Nature Communications, 2017, 8, 1739.	12.8	28
40	Functional interaction of Rpb1 and Spt5 C-terminal domains in co-transcriptional histone modification. Nucleic Acids Research, 2015, 43, gkv837.	14.5	21
41	Cdk9 and H2Bub1 signal to Clr6-CII/Rpd3S to suppress aberrant antisense transcription. Nucleic Acids Research, 2020, 48, 7154-7168.	14.5	16
42	Putting one step before the other: Distinct activation pathways for Cdk1 and Cdk2 bring order to the mammalian cell cycle. Cell Cycle, 2010, 9, 706-714.	2.6	15
43	Why minimal is not optimal: Driving the mammalian cell cycleâ€"and drug discoveryâ€"with a physiologic CDK control network. Cell Cycle, 2012, 11, 2600-2605.	2.6	13
44	Histone H2B Ubiquitylation Regulates Histone Gene Expression by Suppressing Antisense Transcription in Fission Yeast. Genetics, 2019, 213, 161-172.	2.9	11
45	CDK regulation of transcription by RNAP II: Not over â€˜til it's over?. Transcription, 2017, 8, 81-90.	3.1	10
46	New connections between ubiquitylation and methylation in the co-transcriptional histone modification network. Current Genetics, 2021, 67, 695-705.	1.7	8
47	Modelling the CDK-dependent transcription cycle in fission yeast. Biochemical Society Transactions, 2013, 41, 1660-1665.	3.4	5
48	Taking Aim at Glycolysis with CDK8 Inhibitors. Trends in Endocrinology and Metabolism, 2018, 29, 281-282.	7.1	5
49	Coming Full Circle: Cyclin-Dependent Kinases as Anti-cancer Drug Targets. Sub-Cellular Biochemistry, 2010, 50, 1-15.	2.4	5
50	A cell cycle regulator branches out. Science, 2021, 374, 263-264.	12.6	2
51	Splice or Die: When MYC Is Driving, Transcription Needs NUAK1 to Avoid Fatal Pileups. Molecular Cell, 2020, 77, 1157-1158.	9.7	1
52	An IGF2BP3-Cdk9 Pathway Governs the Human Fetal-Adult Megakaryocyte Transition. Blood, 2016, 128, 886-886.	1.4	0