

Timothy J Yen

List of Publications by Year in descending order

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111
papers

11,218
citations

28274

55
h-index

29157

104
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112
all docs

112
docs citations

112
times ranked

9847
citing authors

#	ARTICLE	IF	CITATIONS
1	Checkpoint inhibition of the APC/C in HeLa cells is mediated by a complex of BUBR1, BUB3, CDC20, and MAD2. <i>Journal of Cell Biology</i> , 2001, 154, 925-936.	5.2	787
2	Interaction between ATM protein and c-Abl in response to DNA damage. <i>Nature</i> , 1997, 387, 520-523.	27.8	460
3	CENP-E is a putative kinetochore motor that accumulates just before mitosis. <i>Nature</i> , 1992, 359, 536-539.	27.8	412
4	Autoregulated instability of β -tubulin mRNAs by recognition of the nascent amino terminus of β -tubulin. <i>Nature</i> , 1988, 334, 580-585.	27.8	358
5	Human Bubr1 Is a Mitotic Checkpoint Kinase That Monitors Cenp-E Functions at Kinetochores and Binds the Cyclosome/APC. <i>Journal of Cell Biology</i> , 1999, 146, 941-954.	5.2	342
6	CENP-F is a protein of the nuclear matrix that assembles onto kinetochores at late G2 and is rapidly degraded after mitosis.. <i>Journal of Cell Biology</i> , 1995, 130, 507-518.	5.2	336
7	The RanGAP1-RanBP2 Complex Is Essential for Microtubule-Kinetochore Interactions In Vivo. <i>Current Biology</i> , 2004, 14, 611-617.	3.9	329
8	Microtubule-dependent Changes in Assembly of Microtubule Motor Proteins and Mitotic Spindle Checkpoint Proteins at PtK1 Kinetochores. <i>Molecular Biology of the Cell</i> , 2001, 12, 1995-2009.	2.1	320
9	CENP-E Function at Kinetochores Is Essential for Chromosome Alignment. <i>Journal of Cell Biology</i> , 1997, 139, 1373-1382.	5.2	312
10	Protein Architecture of the Human Kinetochore Microtubule Attachment Site. <i>Cell</i> , 2009, 137, 672-684.	28.9	310
11	Characterization of the Kinetochore Binding Domain of CENP-E Reveals Interactions with the Kinetochore Proteins CENP-F and hBUBR1. <i>Journal of Cell Biology</i> , 1998, 143, 49-63.	5.2	262
12	Specification of kinetochore-forming chromatin by the histone H3 variant CENP-A. <i>Journal of Cell Science</i> , 2001, 114, 3529-3542.	2.0	252
13	CENP-E Is Essential for Reliable Bioriented Spindle Attachment, but Chromosome Alignment Can Be Achieved via Redundant Mechanisms in Mammalian Cells. <i>Molecular Biology of the Cell</i> , 2001, 12, 2776-2789.	2.1	243
14	Autoregulation of tubulin expression is achieved through specific degradation of polysomal tubulin mRNAs. <i>Cell</i> , 1987, 51, 283-292.	28.9	218
15	SUMO-2/3 Modification and Binding Regulate the Association of CENP-E with Kinetochores and Progression through Mitosis. <i>Molecular Cell</i> , 2008, 29, 729-741.	9.7	212
16	Active MAP Kinase in Mitosis: Localization at Kinetochores and Association with the Motor Protein CENP-E. <i>Journal of Cell Biology</i> , 1998, 142, 1547-1558.	5.2	207
17	Mapping the assembly pathways that specify formation of the trilaminar kinetochore plates in human cells. <i>Journal of Cell Biology</i> , 2006, 175, 41-53.	5.2	196
18	The human Nup107 β 160 nuclear pore subcomplex contributes to proper kinetochore functions. <i>EMBO Journal</i> , 2007, 26, 1853-1864.	7.8	191

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19	Human Zw10 and ROD are mitotic checkpoint proteins that bind to kinetochores. <i>Nature Cell Biology</i> , 2000, 2, 944-947.	10.3	185
20	Coupling of DNA Synthesis and Histone Synthesis in S Phase Independent of Cyclin/cdk2 Activity. <i>Molecular and Cellular Biology</i> , 2002, 22, 7459-7472.	2.3	168
21	RHAMM Is a Centrosomal Protein That Interacts with Dynein and Maintains Spindle Pole Stability. <i>Molecular Biology of the Cell</i> , 2003, 14, 2262-2276.	2.1	167
22	Kinetochores: structure and function. <i>Trends in Cell Biology</i> , 2005, 15, 589-598.	7.9	167
23	Characterization of ATM Expression, Localization, and Associated DNA-dependent Protein Kinase Activity. <i>Molecular Biology of the Cell</i> , 1998, 9, 2361-2374.	2.1	166
24	Localization of CENP-E in the fibrous corona and outer plate of mammalian kinetochores from prometaphase through anaphase. <i>Chromosoma</i> , 1997, 106, 446-455.	2.2	165
25	Histone deacetylase 4 interacts with 53BP1 to mediate the DNA damage response. <i>Journal of Cell Biology</i> , 2003, 160, 1017-1027.	5.2	164
26	The hBUB1 and hBUBR1 kinases sequentially assemble onto kinetochores during prophase with hBUBR1 concentrating at the kinetochore plates in mitosis. <i>Chromosoma</i> , 1998, 107, 386-396.	2.2	160
27	Human MPS1 Kinase Is Required for Mitotic Arrest Induced by the Loss of CENP-E from Kinetochores. <i>Molecular Biology of the Cell</i> , 2003, 14, 1638-1651.	2.1	151
28	Human CENP-I specifies localization of CENP-F, MAD1 and MAD2 to kinetochores and is essential for mitosis. <i>Nature Cell Biology</i> , 2003, 5, 341-345.	10.3	136
29	A Human BRCA2 Complex Containing a Structural DNA Binding Component Influences Cell Cycle Progression. <i>Cell</i> , 2001, 104, 247-257.	28.9	132
30	Sequences that confer β -tubulin autoregulation through modulated mRNA stability reside within exon 1 of a β -tubulin mRNA. <i>Cell</i> , 1987, 50, 671-679.	28.9	131
31	Thyroid Hormone Receptor Interacting Protein 13 (TRIP13) AAA-ATPase Is a Novel Mitotic Checkpoint-silencing Protein. <i>Journal of Biological Chemistry</i> , 2014, 289, 23928-23937.	3.4	129
32	Role of the Tetradecapeptide Repeat Domain of Human Histone Deacetylase 6 in Cytoplasmic Retention. <i>Journal of Biological Chemistry</i> , 2004, 279, 48246-48254.	3.4	127
33	Tripin/hSgo2 recruits MCAK to the inner centromere to correct defective kinetochore attachments. <i>Journal of Cell Biology</i> , 2007, 177, 413-424.	5.2	126
34	Assembly of the SMRT-histone deacetylase 3 repression complex requires the TCP-1 ring complex. <i>Genes and Development</i> , 2002, 16, 3130-3135.	5.9	117
35	The Farnesyltransferase Inhibitor, FTI-2153, Blocks Bipolar Spindle Formation and Chromosome Alignment and Causes Prometaphase Accumulation during Mitosis of Human Lung Cancer Cells. <i>Journal of Biological Chemistry</i> , 2001, 276, 16161-16167.	3.4	111
36	Disassembly of mitotic checkpoint complexes by the joint action of the AAA-ATPase TRIP13 and p31 ^{comet} . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 12019-12024.	7.1	110

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37	The Mitotic Checkpoint Protein hBUB3 and the mRNA Export Factor hRAE1 Interact with GLE2p-binding Sequence (GLEBS)-containing Proteins. <i>Journal of Biological Chemistry</i> , 2001, 276, 26559-26567.	3.4	107
38	Isolation of full-length ATM cDNA and correction of the ataxia-telangiectasia cellular phenotype. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 8021-8026.	7.1	105
39	Inhibitors of Histone Deacetylases Alter Kinetochores Assembly by Disrupting Pericentromeric Heterochromatin. <i>Cell Cycle</i> , 2005, 4, 717-726.	2.6	105
40	Phosphorylation sites in BubR1 that regulate kinetochore attachment, tension, and mitotic exit. <i>Journal of Cell Biology</i> , 2008, 183, 667-680.	5.2	104
41	Ablation of PRC1 by Small Interfering RNA Demonstrates that Cytokinetic Abscission Requires a Central Spindle Bundle in Mammalian Cells, whereas Completion of Furrowing Does Not. <i>Molecular Biology of the Cell</i> , 2005, 16, 1043-1055.	2.1	102
42	Induction of the TRAIL receptor KILLER/DR5 in p53-dependent apoptosis but not growth arrest. <i>Oncogene</i> , 1999, 18, 6411-6418.	5.9	98
43	Evidence that the retroviral DNA integration process triggers an ATR-dependent DNA damage response. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 4778-4783.	7.1	94
44	A Modified HSP70 Inhibitor Shows Broad Activity as an Anticancer Agent. <i>Molecular Cancer Research</i> , 2013, 11, 219-229.	3.4	92
45	HuR Posttranscriptionally Regulates WEE1: Implications for the DNA Damage Response in Pancreatic Cancer Cells. <i>Cancer Research</i> , 2014, 74, 1128-1140.	0.9	91
46	Zw10, a New Component of the ZW10/ROD Complex Required for Kinetochores Functions. <i>Molecular Biology of the Cell</i> , 2003, 14, 1379-1391.	2.1	90
47	CENP-F is a novel microtubule-binding protein that is essential for kinetochore attachments and affects the duration of the mitotic checkpoint delay. <i>Chromosoma</i> , 2006, 115, 320-329.	2.2	85
48	Localization of the Drosophila checkpoint control protein Bub3 to the kinetochore requires Bub1 but not Zw10 or Rod. <i>Chromosoma</i> , 1998, 107, 376-385.	2.2	84
49	Oncogenic Ras Regulates BRIP1 Expression to Induce Dissociation of BRCA1 from Chromatin, Inhibit DNA Repair, and Promote Senescence. <i>Developmental Cell</i> , 2011, 21, 1077-1091.	7.0	82
50	Inhibition of Centrosome Separation after DNA Damage: A Role for Nek2. <i>Radiation Research</i> , 2004, 162, 128-135.	1.5	79
51	Wortmannin Potentiates Integrase-Mediated Killing of Lymphocytes and Reduces the Efficiency of Stable Transduction by Retroviruses. <i>Molecular and Cellular Biology</i> , 2001, 21, 1164-1172.	2.3	76
52	Detection of repair activity during the DNA damage-induced G2 delay in human cancer cells. <i>Oncogene</i> , 2001, 20, 3486-3496.	5.9	75
53	Chfr regulates a mitotic stress pathway through its RING-finger domain with ubiquitin ligase activity. <i>Cancer Research</i> , 2002, 62, 1797-801.	0.9	73
54	Changing the Selectivity of p300 by Acetyl-CoA Modulation of Histone Acetylation. <i>ACS Chemical Biology</i> , 2015, 10, 146-156.	3.4	67

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55	HP1 Proteins Are Essential for a Dynamic Nuclear Response That Rescues the Function of Perturbed Heterochromatin in Primary Human Cells. <i>Molecular and Cellular Biology</i> , 2007, 27, 949-962.	2.3	60
56	Crystal Structure of the Motor Domain of the Human Kinetochores Protein CENP-E. <i>Journal of Molecular Biology</i> , 2004, 340, 1107-1116.	4.2	54
57	BUBR1 and Closed MAD2 (C-MAD2) Interact Directly to Assemble a Functional Mitotic Checkpoint Complex. <i>Journal of Biological Chemistry</i> , 2011, 286, 21173-21179.	3.4	53
58	Comparison of the activity of three different HSP70 inhibitors on apoptosis, cell cycle arrest, autophagy inhibition, and HSP90 inhibition. <i>Cancer Biology and Therapy</i> , 2014, 15, 194-199.	3.4	48
59	Targeting Mitosis for Anti-Cancer Therapy. <i>BioDrugs</i> , 2007, 21, 225-233.	4.6	46
60	OTSSP167 Abrogates Mitotic Checkpoint through Inhibiting Multiple Mitotic Kinases. <i>PLoS ONE</i> , 2016, 11, e0153518.	2.5	41
61	Specific regulation of CENP-E and kinetochores during meiosis I/meiosis II transition in pig oocytes. <i>Molecular Reproduction and Development</i> , 2000, 56, 51-62.	2.0	40
62	Abnormal Cytokinesis after X-Irradiation in Tumor Cells that Override the G2 DNA Damage Checkpoint. <i>Cancer Research</i> , 2008, 68, 3724-3732.	0.9	39
63	Cohesin Associates with Spindle Poles in a Mitosis-specific Manner and Functions in Spindle Assembly in Vertebrate Cells. <i>Molecular Biology of the Cell</i> , 2009, 20, 1289-1301.	2.1	38
64	Esperanto for histones: CENP-A, not CenH3, is the centromeric histone H3 variant. <i>Chromosome Research</i> , 2013, 21, 101-106.	2.2	37
65	The mitotic checkpoint: a signaling pathway that allows a single unattached kinetochore to inhibit mitotic exit. <i>Progress in Cell Cycle Research</i> , 2003, 5, 431-9.	0.9	37
66	Live cell imaging reveals distinct roles in cell cycle regulation for Nek2A and Nek2B. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2005, 1744, 89-92.	4.1	36
67	Anti-CENP-H antibodies in patients with Sjogren's syndrome. <i>Rheumatology International</i> , 2006, 26, 298-303.	3.0	36
68	G Protein-coupled Receptor Kinase 5 Is Localized to Centrosomes and Regulates Cell Cycle Progression. <i>Journal of Biological Chemistry</i> , 2012, 287, 6928-6940.	3.4	36
69	Targeting WEE1 to enhance conventional therapies for acute lymphoblastic leukemia. <i>Journal of Hematology and Oncology</i> , 2018, 11, 99.	17.0	35
70	Expression and behaviour of CENP-E at kinetochores during mouse spermatogenesis. <i>Chromosoma</i> , 2002, 111, 53-61.	2.2	33
71	Genetic Variants That Predispose to DNA Double-Strand Breaks in Lymphocytes From a Subset of Patients With Familial Colorectal Carcinomas. <i>Gastroenterology</i> , 2015, 149, 1872-1883.e9.	1.3	31
72	Chromosomal Localization of the Genes Encoding the Kinetochore Proteins CENPE and CENPF to Human Chromosomes 4q24 → q25 and 1q32 → q41, Respectively, by Fluorescence in Situ Hybridization. <i>Genomics</i> , 1994, 23, 691-693.	2.9	29

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73	Thymine DNA glycosylase as a novel target for melanoma. <i>Oncogene</i> , 2019, 38, 3710-3728.	5.9	28
74	Immunolocalization of $\hat{1}\pm$ -Tubulin, $\hat{1}^3$ -Tubulin, and CENP-E in Male Rat and Male Mouse Meiotic Divisions: Pathway of Meiosis I Spindle Formation in Mammalian Spermatocytes. <i>Developmental Biology</i> , 1998, 195, 29-37.	2.0	27
75	Dose Dependent Effects on Cell Cycle Checkpoints and DNA Repair by Bendamustine. <i>PLoS ONE</i> , 2012, 7, e40342.	2.5	27
76	Centromere fragmentation is a common mitotic defect of S and G ₂ checkpoint override. <i>Cell Cycle</i> , 2013, 12, 1588-1597.	2.6	27
77	Two different mitotic checkpoint inhibitors of the anaphase-promoting complex/cyclosome antagonize the action of the activator Cdc20. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 9181-9185.	7.1	26
78	Closed MAD2 (C-MAD2) is selectively incorporated into the mitotic checkpoint complex (MCC). <i>Cell Cycle</i> , 2011, 10, 3740-3750.	2.6	26
79	A synthetic lethal screen identifies the Vitamin D receptor as a novel gemcitabine sensitizer in pancreatic cancer cells. <i>Cell Cycle</i> , 2014, 13, 3839-3856.	2.6	26
80	Kinetochores function: molecular motors, switches and gates. <i>Current Opinion in Cell Biology</i> , 1996, 8, 381-388.	5.4	24
81	Kinesin-like protein CENP-E is upregulated in rheumatoid synovial fibroblasts. <i>Arthritis Research</i> , 1999, 1, 71.	2.0	22
82	Astrin regulates Aurora-A localization. <i>Biochemical and Biophysical Research Communications</i> , 2008, 370, 213-219.	2.1	22
83	Leukemia-associated RhoGEF (LARG) is a novel RhoGEF in cytokinesis and required for the proper completion of abscission. <i>Molecular Biology of the Cell</i> , 2013, 24, 2785-2794.	2.1	22
84	Pixantrone induces cell death through mitotic perturbations and subsequent aberrant cell divisions. <i>Cancer Biology and Therapy</i> , 2015, 16, 1397-1406.	3.4	22
85	BubR1 is an effector of multiple mitotic kinases that specifies kinetochores: Microtubule attachments and checkpoint. <i>Cell Cycle</i> , 2009, 8, 1164-1167.	2.6	19
86	Timeless Links Replication Termination to Mitotic Kinase Activation. <i>PLoS ONE</i> , 2011, 6, e19596.	2.5	19
87	Replication Stress and Mitotic Dysfunction in Cells Expressing Simian Virus 40 Large T Antigen. <i>Journal of Virology</i> , 2013, 87, 13179-13192.	3.4	18
88	Synergism Through WEE1 and CHK1 Inhibition in Acute Lymphoblastic Leukemia. <i>Cancers</i> , 2019, 11, 1654.	3.7	18
89	Autoantibody to NA14 is an independent marker primarily for Sjögren's syndrome. <i>Frontiers in Bioscience - Landmark</i> , 2009, Volume, 3733.	3.0	17
90	Anti-CENPI autoantibodies in scleroderma patients with features of autoimmune liver diseases. <i>Clinica Chimica Acta</i> , 2011, 412, 2267-2271.	1.1	16

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91	DNA Damage in HeLa Cells Induced Arrest at a Discrete Point in G2Phase as Defined by CENP-F Localization. <i>Radiation Research</i> , 2003, 159, 604-611.	1.5	14
92	Re-purposing clinical kinase inhibitors to enhance chemosensitivity by overriding checkpoints. <i>Cell Cycle</i> , 2014, 13, 2172-2191.	2.6	14
93	Chromosome instability in tumor cells due to defects in Aurora B mediated error correction at kinetochores. <i>Cell Cycle</i> , 2018, 17, 2622-2636.	2.6	12
94	Targeting the Kinetochores for Mitosis-Specific Inhibitors. <i>Cancer Biology and Therapy</i> , 2003, 2, 236-241.	3.4	9
95	The Role of Mitotic Checkpoint in Maintaining Genomic Stability. <i>Current Topics in Developmental Biology</i> , 2003, 58, 27-51.	2.2	8
96	Mitotic Checkpoint, Aneuploidy and Cancer. , 2005, 570, 477-499.		7
97	Nestin Is Required for Spindle Assembly and Cell-Cycle Progression in Glioblastoma Cells. <i>Molecular Cancer Research</i> , 2021, 19, 1651-1665.	3.4	7
98	Clinical and Molecular Features of Anti-CENP-B Autoantibodies. <i>Journal of Molecular Pathology</i> , 2021, 2, 281-295.	1.2	7
99	Purification of the Mitotic Checkpoint Complex, an Inhibitor of the APC/C From HeLa Cells. , 2004, 281, 199-212.		6
100	p53-dependent apoptosis in response to spindle damage is linked to loss of Bub1. <i>Cancer Biology and Therapy</i> , 2009, 8, 645-647.	3.4	6
101	Polo Delivers a PICH to the Kinetochores. <i>Cell</i> , 2007, 128, 20-21.	28.9	4
102	Modification of the base excision repair enzyme MBD4 by the small ubiquitin-like molecule SUMO1. <i>DNA Repair</i> , 2019, 82, 102687.	2.8	4
103	Discordant Effects of Putative Lysine Acetyltransferase Inhibitors in Biochemical and Living Systems. <i>Cells</i> , 2019, 8, 1022.	4.1	4
104	The Complexity of APC/C Regulation Location, Location, Location. <i>Cell Cycle</i> , 2002, 1, 263-264.	2.6	3
105	The Wee1 Inhibitor, MK-1775, Sensitizes Leukemic Cells to Different Antineoplastic Drugs Interfering with DNA Damage Response Pathway. <i>Blood</i> , 2015, 126, 1276-1276.	1.4	3
106	Network modeling of kinase inhibitor polypharmacology reveals pathways targeted in chemical screens. <i>PLoS ONE</i> , 2017, 12, e0185650.	2.5	3
107	Active DNA demethylation—The epigenetic gatekeeper of development, immunity, and cancer. <i>Genetics & Genomics Next</i> , 2021, 2, e10033.	1.5	3
108	The Kinetochores as Target for Cancer Drug Development. , 2009, , 1-25.		1

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109	Motor proteins in mitosis and meiosis. Cytoskeleton: A Multi-Volume Treatise, 1995, 1, 87-122.	0.1	0
110	Cell Cycle: Mitotic Checkpoint. , 2004, , 345-351.		0
111	Mitotic Checkpoint and Chromosome Instability in Cancer. , 2010, , 59-77.		0