

Iain M Hagan

List of Publications by Year in descending order

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67
papers

4,244
citations

147801

31
h-index

114465

63
g-index

70
all docs

70
docs citations

70
times ranked

3463
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel potential mitotic motor protein encoded by the fission yeast cut7+ gene. <i>Nature</i> , 1990, 347, 563-566.	27.8	366
2	Kinesin-related cut 7 protein associates with mitotic and meiotic spindles in fission yeast. <i>Nature</i> , 1992, 356, 74-76.	27.8	255
3	Vectors for the expression of tagged proteins in <i>Schizosaccharomyces pombe</i> . <i>Gene</i> , 1998, 221, 59-68.	2.2	212
4	Mal3, the Fission Yeast Homologue of the Human APC-interacting Protein EB-1 Is Required for Microtubule Integrity and the Maintenance of Cell Form. <i>Journal of Cell Biology</i> , 1997, 139, 717-728.	5.2	208
5	Growth Polarity And Cytokinesis In Fission Yeast: The Role Of The Cytoskeleton. <i>Journal of Cell Science</i> , 1986, 1986, 229-241.	2.0	205
6	The Centrosome and Its Duplication Cycle. <i>Cold Spring Harbor Perspectives in Biology</i> , 2015, 7, a015800.	5.5	203
7	Multiple Reaction Monitoring to Identify Sites of Protein Phosphorylation with High Sensitivity. <i>Molecular and Cellular Proteomics</i> , 2005, 4, 1134-1144.	3.8	195
8	The Centrosomal Kinase Nek2 Displays Elevated Levels of Protein Expression in Human Breast Cancer. <i>Cancer Research</i> , 2004, 64, 7370-7376.	0.9	167
9	A PP1-PP2A phosphatase relay controls mitotic progression. <i>Nature</i> , 2015, 517, 94-98.	27.8	162
10	FH3, A Domain Found in Formins, Targets the Fission Yeast Formin Fus1 to the Projection Tip During Conjugation. <i>Journal of Cell Biology</i> , 1998, 141, 1217-1228.	5.2	156
11	The COP9/signalosome complex is conserved in fission yeast and has a role in S phase. <i>Current Biology</i> , 1999, 9, 1427-1433.	3.9	151
12	Plo1 Kinase Recruitment to the Spindle Pole Body and Its Role in Cell Division in <i>Schizosaccharomyces pombe</i> . <i>Molecular Biology of the Cell</i> , 1999, 10, 2771-2785.	2.1	136
13	The role of Plo1 kinase in mitotic commitment and septation in <i>Schizosaccharomyces pombe</i> . <i>EMBO Journal</i> , 2001, 20, 1259-1270.	7.8	134
14	<i>S. pombe</i> Aurora Kinase/Survivin Is Required for Chromosome Condensation and the Spindle Checkpoint Attachment Response. <i>Current Biology</i> , 2003, 13, 590-597.	3.9	133
15	The <i>S. pombe</i> aurora-related kinase Ark1 associates with mitotic structures in a stage dependent manner and is required for chromosome segregation. <i>Journal of Cell Science</i> , 2001, 114, 4371-4384.	2.0	129
16	Polo kinase links the stress pathway to cell cycle control and tip growth in fission yeast. <i>Nature</i> , 2005, 435, 507-512.	27.8	99
17	Recruitment of NIMA kinase shows that maturation of the <i>S. pombe</i> spindle-pole body occurs over consecutive cell cycles and reveals a role for NIMA in modulating SIN activity. <i>Genes and Development</i> , 2004, 18, 1007-1021.	5.9	92
18	Centrosomal MPF triggers the mitotic and morphogenetic switches of fission yeast. <i>Nature Cell Biology</i> , 2013, 15, 88-95.	10.3	65

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19	MTOC formation during mitotic exit in fission yeast. <i>Journal of Cell Science</i> , 2001, 114, 4521-4532.	2.0	65
20	Schizosaccharomyces pombe NIMA-related kinase, Fin1, regulates spindle formation and an affinity of Polo for the SPB. <i>EMBO Journal</i> , 2002, 21, 3096-3107.	7.8	63
21	The chk1 pathway is required to prevent mitosis following cell-cycle arrest at $\hat{\epsilon}$ start TM . <i>Current Biology</i> , 1995, 5, 1179-1190.	3.9	55
22	Physical and functional interactions between polo kinase and the spindle pole component Cut12 regulate mitotic commitment in <i>S. pombe</i> . <i>Genes and Development</i> , 2003, 17, 1507-1523.	5.9	54
23	Brr6 drives the <i>Schizosaccharomyces pombe</i> spindle pole body nuclear envelope insertion/extrusion cycle. <i>Journal of Cell Biology</i> , 2011, 195, 467-484.	5.2	54
24	<i>S. pombe</i> CLASP needs dynein, not EB1 or CLIP170, to induce microtubule instability and slows polymerization rates at cell tips in a dynein-dependent manner. <i>Genes and Development</i> , 2006, 20, 2421-2436.	5.9	53
25	Schizosaccharomyces pombe protein phosphatase 1 in mitosis, endocytosis and a partnership with Wsh3/Tea4 to control polarised growth. <i>Journal of Cell Science</i> , 2007, 120, 3589-3601.	2.0	53
26	Extending the Schizosaccharomyces pombe Molecular Genetic Toolbox. <i>PLoS ONE</i> , 2014, 9, e97683.	2.5	51
27	Intramitotic controls in the fission yeast Schizosaccharomyces pombe: the effect of cell size on spindle length and the timing of mitotic events.. <i>Journal of Cell Biology</i> , 1990, 110, 1617-1621.	5.2	46
28	The <i>S. pombe</i> mitotic regulator Cut12 promotes spindle pole body activation and integration into the nuclear envelope. <i>Journal of Cell Biology</i> , 2009, 185, 875-888.	5.2	43
29	Programmed fluctuations in sense/antisense transcript ratios drive sexual differentiation in <i>S. pombe</i> . <i>Molecular Systems Biology</i> , 2011, 7, 559.	7.2	41
30	The <i>S. pombe</i> cytokinesis NDR kinase Sid2 activates Fin1 NIMA kinase to control mitotic commitment through Pom1/Wee1. <i>Nature Cell Biology</i> , 2012, 14, 738-745.	10.3	39
31	pl _o 1+ regulates gene transcription at the M-G1 interval during the fission yeast mitotic cell cycle. <i>EMBO Journal</i> , 2002, 21, 5745-5755.	7.8	36
32	Removal of Centrosomal PP1 by NIMA Kinase Unlocks the MPF Feedback Loop to Promote Mitotic Commitment in <i>S. pombe</i> . <i>Current Biology</i> , 2013, 23, 213-222.	3.9	33
33	A 'marker switch' approach for targeted mutagenesis of genes in <i>Schizosaccharomyces pombe</i> . <i>Yeast</i> , 2003, 20, 587-594.	1.7	32
34	Stress-regulated kinase pathways in the recovery of tip growth and microtubule dynamics following osmotic stress in <i>S. pombe</i> . <i>Journal of Cell Science</i> , 2008, 121, 4055-4068.	2.0	30
35	The microtubule organizing centers of <i>Schizosaccharomyces pombe</i> . <i>Current Topics in Developmental Biology</i> , 1999, 49, 133-159.	2.2	29
36	A nuclear protein in <i>Schizosaccharomyces pombe</i> with homology to the human tumour suppressor Fhit has decapping activity. <i>Molecular Microbiology</i> , 2002, 46, 49-62.	2.5	29

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37	Release from cell cycle arrest with Cdk4/6 inhibitors generates highly synchronized cell cycle progression in human cell culture. <i>Open Biology</i> , 2020, 10, 200200.	3.6	27
38	Augmented Annotation of the <i>Schizosaccharomyces pombe</i> Genome Reveals Additional Genes Required for Growth and Viability. <i>Genetics</i> , 2011, 187, 1207-1217.	2.9	26
39	A New Genetic Method for Isolating Functionally Interacting Genes: High plo1+-Dependent Mutants and Their Suppressors Define Genes in Mitotic and Septation Pathways in Fission Yeast. <i>Genetics</i> , 2000, 155, 1521-1534.	2.9	24
40	The spindle pole body plays a key role in controlling mitotic commitment in the fission yeast <i>Schizosaccharomyces pombe</i> . <i>Biochemical Society Transactions</i> , 2008, 36, 1097-1101.	3.4	23
41	Spatial control of mitotic commitment in fission yeast. <i>Biochemical Society Transactions</i> , 2013, 41, 1766-1771.	3.4	21
42	Forces acting on the fission yeast anaphase spindle. , 1996, 34, 69-75.		19
43	Suppression of the <i>Schizosaccharomyces pombe</i> 12.1 Cell-Cycle Defect by Mutations in <i>cdc25</i> and Genes Involved in Transcriptional and Translational Control. <i>Genetics</i> , 2007, 176, 73-83.	2.9	19
44	The Renaissance or the cuckoo clock. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2011, 366, 3625-3634.	4.0	19
45	Preparation of Protein Extracts from <i>Schizosaccharomyces pombe</i> Using Trichloroacetic Acid Precipitation. <i>Cold Spring Harbor Protocols</i> , 2017, 2017, pdb.prot091579.	0.3	19
46	Import of extracellular ATP in yeast and man modulates AMPK and TORC1 signalling. <i>Journal of Cell Science</i> , 2019, 132, .	2.0	19
47	Analysis of the <i>Schizosaccharomyces pombe</i> Cell Cycle. <i>Cold Spring Harbor Protocols</i> , 2016, 2016, pdb.top082800.	0.3	17
48	The basics of immunofluorescence video-microscopy for mammalian and microbial systems. <i>Trends in Cell Biology</i> , 1995, 5, 328-332.	7.9	15
49	Chromatin and Cell Wall Staining of <i>Schizosaccharomyces pombe</i> . <i>Cold Spring Harbor Protocols</i> , 2016, 2016, pdb.prot091025.	0.3	14
50	Mutation of a conserved residue enhances sensitivity of analogue sensitized kinases to generate a novel approach for mitotic studies in fission yeast. <i>Journal of Cell Science</i> , 2013, 126, 5052-61.	2.0	13
51	Immunofluorescence Microscopy of <i>Schizosaccharomyces pombe</i> Using Chemical Fixation. <i>Cold Spring Harbor Protocols</i> , 2016, 2016, pdb.prot091017.	0.3	12
52	Dialogue between centrosomal entrance and exit scaffold pathways regulates mitotic commitment. <i>Journal of Cell Biology</i> , 2017, 216, 2795-2812.	5.2	12
53	Nic1 Inactivation Enables Stable Isotope Labeling with ¹³ C6 ¹⁵ N4-Arginine in <i>Schizosaccharomyces pombe</i> . <i>Molecular and Cellular Proteomics</i> , 2015, 14, 243-250.	3.8	9
54	Cell Cycle Synchronization of <i>Schizosaccharomyces pombe</i> by Centrifugal Elutriation of Small Cells. <i>Cold Spring Harbor Protocols</i> , 2016, 2016, pdb.prot091231.	0.3	9

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55	Staining Fission Yeast Filamentous Actin with Fluorescent Phalloidin Conjugates. Cold Spring Harbor Protocols, 2016, 2016, pdb.prot091033.	0.3	9
56	Synchronizing Progression of <i>Schizosaccharomyces pombe</i> Cells from G ₂ through Repeated Rounds of Mitosis and S Phase with <i>cdc25-22</i> Arrest Release. Cold Spring Harbor Protocols, 2016, 2016, pdb.prot091264.	0.3	7
57	12 Immunological Approaches to the Study of Protein Localization in Yeast. Methods in Microbiology, 1998, , 201-221.	0.8	6
58	Small-Scale Immunoprecipitation from Fission Yeast Cell Extracts. Cold Spring Harbor Protocols, 2017, 2017, pdb.prot091587.	0.3	6
59	Large-Scale Immunoprecipitation from Fission Yeast Cell Extracts. Cold Spring Harbor Protocols, 2017, 2017, pdb.prot091595.	0.3	5
60	A TOR (target of rapamycin) and nutritional phosphoproteome of fission yeast reveals novel targets in networks conserved in humans. Open Biology, 2021, 11, 200405.	3.6	4
61	Synchronizing Progression of <i>Schizosaccharomyces pombe</i> Cells from Prophase through Mitosis and into S Phase with <i>nda3-KM311</i> Arrest Release. Cold Spring Harbor Protocols, 2016, 2016, pdb.prot091256.	0.3	3
62	Fixed-Cell Imaging of <i>Schizosaccharomyces pombe</i> . Cold Spring Harbor Protocols, 2016, 2016, pdb.top079830.	0.3	2
63	Cell Cycle Synchronization of <i>Schizosaccharomyces pombe</i> by Lactose Gradient Centrifugation to Isolate Small Cells. Cold Spring Harbor Protocols, 2016, 2016, pdb.prot091249.	0.3	2
64	Polo, Greatwall, and Protein Phosphatase PP2A Jostle for Pole Position. PLoS Genetics, 2011, 7, e1002213.	3.5	1
65	Elementary Protein Analysis in <i>Schizosaccharomyces pombe</i> . Cold Spring Harbor Protocols, 2017, 2017, pdb.top079806.	0.3	1
66	Completing the next phase of the cycle: Kyoto to Cambridge. Trends in Cell Biology, 1994, 4, 437-438.	7.9	0
67	The Mitotic Spindle and Genome Segregation. , 2004, , 207-223.		0