

# Jonathan M G Higgins

## List of Publications by Year in descending order

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53  
papers

3,862  
citations

136950

32  
h-index

182427

51  
g-index

55  
all docs

55  
docs citations

55  
times ranked

4197  
citing authors

#	ARTICLE	IF	CITATIONS
1	Simultaneous Measurement of Single-Cell Mechanics and Cell-to-Materials Adhesion Using Fluidic Force Microscopy. <i>Langmuir</i> , 2022, 38, 620-628.	3.5	9
2	PCTAIRE1 promotes mitotic progression and resistance against antimitotic and apoptotic signals. <i>Journal of Cell Science</i> , 2022, 135, .	2.0	2
3	Dissecting the roles of Haspin and VRK1 in histone H3 phosphorylation during mitosis. <i>Scientific Reports</i> , 2022, 12, .	3.3	8
4	A prometaphase mechanism of securin destruction is essential for meiotic progression in mouse oocytes. <i>Nature Communications</i> , 2021, 12, 4322.	12.8	10
5	The Aurora B gradient sustains kinetochore stability in anaphase. <i>Cell Reports</i> , 2021, 37, 109818.	6.4	17
6	Resolution of R-loops by INO80 promotes DNA replication and maintains cancer cell proliferation and viability. <i>Nature Communications</i> , 2020, 11, 4534.	12.8	63
7	Priming chromatin for segregation: functional roles of mitotic histone modifications. <i>Cell Cycle</i> , 2020, 19, 625-641.	2.6	19
8	Kinase inhibition profiles as a tool to identify kinases for specific phosphorylation sites. <i>Nature Communications</i> , 2020, 11, 1684.	12.8	22
9	Aneuploidy in Oocytes Is Prevented by Sustained CDK1 Activity through Degron Masking in Cyclin B1. <i>Developmental Cell</i> , 2019, 48, 672-684.e5.	7.0	39
10	CDK1-mediated phosphorylation at H2B serine 6 is required for mitotic chromosome segregation. <i>Journal of Cell Biology</i> , 2019, 218, 1164-1181.	5.2	21
11	The live cell DNA stain SiR-Hoechst induces DNA damage responses and impairs cell cycle progression. <i>Scientific Reports</i> , 2018, 8, 7898.	3.3	25
12	Mitotic Mysteries: The Case of HP1. <i>Developmental Cell</i> , 2016, 36, 477-478.	7.0	15
13	Polyoma small T antigen triggers cell death via mitotic catastrophe. <i>Oncogene</i> , 2015, 34, 2483-2492.	5.9	15
14	TD-60 links RalA GTPase function to the CPC in mitosis. <i>Nature Communications</i> , 2015, 6, 7678.	12.8	43
15	Polo-like kinase $\epsilon$ 1 triggers histone phosphorylation by Haspin in mitosis. <i>EMBO Reports</i> , 2014, 15, 273-281.	4.5	64
16	Integrin $\beta$ 7: Molecular Features and Functional Significance in the Immune System. <i>Advances in Experimental Medicine and Biology</i> , 2014, 819, 97-110.	1.6	38
17	Chromosome Segregation: Learning to Let Go. <i>Current Biology</i> , 2013, 23, R883-R885.	3.9	3
18	Histone modifications and mitosis: countermarks, landmarks, and bookmarks. <i>Trends in Cell Biology</i> , 2013, 23, 175-184.	7.9	158

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19	Nucleosome Assembly Proteins Get SET to Defeat the Guardian of Chromosome Cohesion. <i>PLoS Genetics</i> , 2013, 9, e1003829.	3.5	7
20	Molecular basis for phosphospecific recognition of histone H3 tails by Survivin paralogues at inner centromeres. <i>Molecular Biology of the Cell</i> , 2012, 23, 1457-1466.	2.1	53
21	Haspin inhibitors reveal centromeric functions of Aurora B in chromosome segregation. <i>Journal of Cell Biology</i> , 2012, 199, 251-268.	5.2	95
22	Structure-activity relationship study of beta-carboline derivatives as haspin kinase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 2015-2019.	2.2	61
23	A Positive Feedback Loop Involving Haspin and Aurora B Promotes CPC Accumulation at Centromeres in Mitosis. <i>Current Biology</i> , 2011, 21, 1061-1069.	3.9	143
24	Perturbation of Mitosis through Inhibition of Histone Acetyltransferases: The Key to Ochratoxin A Toxicity and Carcinogenicity?. <i>Toxicological Sciences</i> , 2011, 122, 317-329.	3.1	50
25	Haspin: a newly discovered regulator of mitotic chromosome behavior. <i>Chromosoma</i> , 2010, 119, 137-147.	2.2	61
26	Structure-activity relationship study of acridine analogs as haspin and DYRK2 kinase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 3491-3494.	2.2	53
27	A phospho/methyl switch at histone H3 regulates TFIIID association with mitotic chromosomes. <i>EMBO Journal</i> , 2010, 29, 3967-3978.	7.8	87
28	Histone H3 Thr-3 Phosphorylation by Haspin Positions Aurora B at Centromeres in Mitosis. <i>Science</i> , 2010, 330, 231-235.	12.6	416
29	Structure-activity relationship study of acridine analogs as haspin and DYRK2 kinase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 3491-4.	2.2	21
30	Studies of haspin-depleted cells reveal that spindle-pole integrity in mitosis requires chromosome cohesion. <i>Journal of Cell Science</i> , 2009, 122, 4168-4176.	2.0	52
31	Structure and functional characterization of the atypical human kinase haspin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 20198-20203.	7.1	144
32	Shugoshin and PP2A: Collaborating to Keep Chromosomes Connected. <i>Developmental Cell</i> , 2009, 17, 303-305.	7.0	7
33	Phosphorylation of histone H3 at threonine 11 establishes a novel chromatin mark for transcriptional regulation. <i>Nature Cell Biology</i> , 2008, 10, 53-60.	10.3	198
34	Identification of Small Molecule Inhibitors of the Mitotic Kinase Haspin by High-Throughput Screening Using a Homogeneous Time-Resolved Fluorescence Resonance Energy Transfer Assay. <i>Journal of Biomolecular Screening</i> , 2008, 13, 1025-1034.	2.6	35
35	The Crystal Structure of Human E-cadherin Domains 1 and 2, and Comparison with other Cadherins in the Context of Adhesion Mechanism. <i>Journal of Molecular Biology</i> , 2007, 373, 401-411.	4.2	112
36	Regulation of Mitotic Chromosome Cohesion by Haspin and Aurora B. <i>Developmental Cell</i> , 2006, 11, 741-750.	7.0	199

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37	The Cadherin-11 Cytoplasmic Juxtamembrane Domain Promotes $\beta$ -Catenin Turnover at Adherens Junctions and Intercellular Motility. <i>Molecular Biology of the Cell</i> , 2006, 17, 2366-2376.	2.1	32
38	Integrin $\beta$ 4-erbB2 Complex Inhibits Haptotaxis by Up-regulating E-cadherin Cell-Cell Junctions in Keratinocytes. <i>Journal of Biological Chemistry</i> , 2005, 280, 8004-8015.	3.4	36
39	Haspin: A Mitotic Histone Kinase Required for Metaphase Chromosome Alignment. <i>Cell Cycle</i> , 2005, 4, 665-668.	2.6	64
40	The kinase haspin is required for mitotic histone H3 Thr 3 phosphorylation and normal metaphase chromosome alignment. <i>Genes and Development</i> , 2005, 19, 472-488.	5.9	316
41	Cadherin-11 Provides Specific Cellular Adhesion between Fibroblast-like Synoviocytes. <i>Journal of Experimental Medicine</i> , 2004, 200, 1673-1679.	8.5	142
42	Alpha E: Table I.. <i>Journal of Experimental Medicine</i> , 2002, 196, 873-875.	8.5	22
43	The Haspin gene: location in an intron of the Integrin $\beta$ E gene, associated transcription of an Integrin $\beta$ E-derived RNA and expression in diploid as well as haploid cells. <i>Gene</i> , 2001, 267, 55-69.	2.2	38
44	Haspin-like proteins: A new family of evolutionarily conserved putative eukaryotic protein kinases. <i>Protein Science</i> , 2001, 10, 1677-1684.	7.6	55
45	Integrin $\beta$ E(CD103) $\beta$ 7 Mediates Adhesion to Intestinal Microvascular Endothelial Cell Lines Via an E-Cadherin-Independent Interaction. <i>Journal of Immunology</i> , 2001, 166, 3506-3514.	0.8	71
46	Layilin, a Novel Integral Membrane Protein, Is a Hyaluronan Receptor. <i>Molecular Biology of the Cell</i> , 2001, 12, 891-900.	2.1	129
47	T-lymphocyte-epithelial-cell interactions: integrin $\beta$ E(CD103) $\beta$ 7, LEEP-CAM and chemokines. <i>Current Opinion in Cell Biology</i> , 2000, 12, 563-568.	5.4	145
48	The Role of $\beta$ and $\beta$ Chains in Ligand Recognition by $\beta$ 7 Integrins. <i>Journal of Biological Chemistry</i> , 2000, 275, 25652-25664.	3.4	36
49	Molecular Basis for Leukocyte Integrin $\beta$ E $\beta$ 7 Adhesion to Epithelial (E)-Cadherin. <i>Journal of Experimental Medicine</i> , 2000, 191, 1555-1567.	8.5	56
50	IQGAP1 and Calmodulin Modulate E-cadherin Function. <i>Journal of Biological Chemistry</i> , 1999, 274, 37885-37892.	3.4	129
51	The A-domain of integrin $\beta$ E $\beta$ 7 is involved in binding to E-cadherin. <i>Biochemical Society Transactions</i> , 1999, 27, A145-A145.	3.4	0
52	Direct and Regulated Interaction of Integrin $\beta$ E $\beta$ 7 with E-Cadherin. <i>Journal of Cell Biology</i> , 1998, 140, 197-210.	5.2	214
53	Haspin. <i>The AFCS-nature Molecule Pages</i> , 0, , .	0.2	11