

# Andrew J Holland

## List of Publications by Year in descending order

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45  
papers

4,097  
citations

172386

29  
h-index

243529

44  
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49  
all docs

49  
docs citations

49  
times ranked

4686  
citing authors

#	ARTICLE	IF	CITATIONS
1	Once and only once: mechanisms of centriole duplication and their deregulation in disease. <i>Nature Reviews Molecular Cell Biology</i> , 2018, 19, 297-312.	16.1	367
2	Centrosome Amplification Is Sufficient to Promote Spontaneous Tumorigenesis in Mammals. <i>Developmental Cell</i> , 2017, 40, 313-322.e5.	3.1	291
3	Inducible, reversible system for the rapid and complete degradation of proteins in mammalian cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E3350-7.	3.3	277
4	Cep152 interacts with Plk4 and is required for centriole duplication. <i>Journal of Cell Biology</i> , 2010, 191, 721-729.	2.3	255
5	Polo-like kinase 4 kinase activity limits centrosome overduplication by autoregulating its own stability. <i>Journal of Cell Biology</i> , 2010, 188, 191-198.	2.3	251
6	Losing balance: the origin and impact of aneuploidy in cancer. <i>EMBO Reports</i> , 2012, 13, 501-514.	2.0	239
7	Chromoanagenesis and cancer: mechanisms and consequences of localized, complex chromosomal rearrangements. <i>Nature Medicine</i> , 2012, 18, 1630-1638.	15.2	231
8	Binding of STIL to Plk4 activates kinase activity to promote centriole assembly. <i>Journal of Cell Biology</i> , 2015, 209, 863-878.	2.3	179
9	A USP28-53BP1-p53-p21 signaling axis arrests growth after centrosome loss or prolonged mitosis. <i>Journal of Cell Biology</i> , 2016, 214, 143-153.	2.3	179
10	The impact of mitotic errors on cell proliferation and tumorigenesis. <i>Genes and Development</i> , 2018, 32, 620-638.	2.7	177
11	Mechanism and Regulation of Centriole and Cilium Biogenesis. <i>Annual Review of Biochemistry</i> , 2019, 88, 691-724.	5.0	174
12	The autoregulated instability of Polo-like kinase 4 limits centrosome duplication to once per cell cycle. <i>Genes and Development</i> , 2012, 26, 2684-2689.	2.7	132
13	p53 protects against genome instability following centriole duplication failure. <i>Journal of Cell Biology</i> , 2015, 210, 63-77.	2.3	127
14	High-resolution characterization of centriole distal appendage morphology and dynamics by correlative STORM and electron microscopy. <i>Nature Communications</i> , 2019, 10, 993.	5.8	104
15	Catalytic Assembly of the Mitotic Checkpoint Inhibitor BubR1-Cdc20 by a Mad2-Induced Functional Switch in Cdc20. <i>Molecular Cell</i> , 2013, 51, 92-104.	4.5	88
16	Cell fitness screens reveal a conflict between LINE-1 retrotransposition and DNA replication. <i>Nature Structural and Molecular Biology</i> , 2020, 27, 168-178.	3.6	74
17	Chronic centrosome amplification without tumorigenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E6321-30.	3.3	70
18	CDK1 Prevents Unscheduled PLK4-STIL Complex Assembly in Centriole Biogenesis. <i>Current Biology</i> , 2016, 26, 1127-1137.	1.8	68

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19	Targeting TRIM37-driven centrosome dysfunction in 17q23-amplified breast cancer. <i>Nature</i> , 2020, 585, 447-452.	13.7	63
20	A New Mode of Mitotic Surveillance. <i>Trends in Cell Biology</i> , 2017, 27, 314-321.	3.6	58
21	PLK4 promotes centriole duplication by phosphorylating STIL to link the procentriole cartwheel to the microtubule wall. <i>ELife</i> , 2019, 8, .	2.8	55
22	Epidermal development, growth control, and homeostasis in the face of centrosome amplification. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E6311-20.	3.3	46
23	Centriole duplication. <i>Cell Cycle</i> , 2010, 9, 2803-2808.	1.3	43
24	Massive centriole production can occur in the absence of deuterosomes in multiciliated cells. <i>Nature Cell Biology</i> , 2019, 21, 1544-1552.	4.6	43
25	Autoamplification and Competition Drive Symmetry Breaking: Initiation of Centriole Duplication by the PLK4-STIL Network. <i>IScience</i> , 2018, 8, 222-235.	1.9	41
26	Polo-like Kinase 4 Inhibition: A Strategy for Cancer Therapy?. <i>Cancer Cell</i> , 2014, 26, 151-153.	7.7	40
27	The Emerging Link between Centrosome Aberrations and Metastasis. <i>Developmental Cell</i> , 2019, 49, 325-331.	3.1	40
28	YAP and TAZ regulate cell volume. <i>Journal of Cell Biology</i> , 2019, 218, 3472-3488.	2.3	39
29	Centrosome defects cause microcephaly by activating the 53BP1- $\text{USP28}$ - $\text{TP53}$ mitotic surveillance pathway. <i>EMBO Journal</i> , 2021, 40, e106118.	3.5	39
30	Polo-like kinase 4 controls centriole duplication but does not directly regulate cytokinesis. <i>Molecular Biology of the Cell</i> , 2012, 23, 1838-1845.	0.9	35
31	Clonal selection of stable aneuploidies in progenitor cells drives high-prevalence tumorigenesis. <i>Genes and Development</i> , 2021, 35, 1079-1092.	2.7	35
32	ANKRD26 recruits PIDD1 to centriolar distal appendages to activate the PIDDosome following centrosome amplification. <i>EMBO Journal</i> , 2021, 40, e105106.	3.5	35
33	Time is of the essence: the molecular mechanisms of primary microcephaly. <i>Genes and Development</i> , 2021, 35, 1551-1578.	2.7	34
34	The deubiquitinase USP44 is a tumor suppressor that protects against chromosome missegregation. <i>Journal of Clinical Investigation</i> , 2012, 122, 4325-4328.	3.9	32
35	Generation of a conditional analog-sensitive kinase in human cells using CRISPR/Cas9-mediated genome engineering. <i>Methods in Cell Biology</i> , 2015, 129, 19-36.	0.5	26
36	Applying the auxin-inducible degradation system for rapid protein depletion in mammalian cells. <i>Methods in Cell Biology</i> , 2018, 144, 107-135.	0.5	22

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37	Global Effects of DDX3 Inhibition on Cell Cycle Regulation Identified by a Combined Phosphoproteomics and Single Cell Tracking Approach. <i>Translational Oncology</i> , 2018, 11, 755-763.	1.7	21
38	SFI1 promotes centriole duplication by recruiting USP9X to stabilize the microcephaly protein STIL. <i>Journal of Cell Biology</i> , 2019, 218, 2185-2197.	2.3	18
39	Keeping track of time: The fundamentals of cellular clocks. <i>Journal of Cell Biology</i> , 2020, 219, .	2.3	14
40	WBP11 is required for splicing the TUBGCP6 pre-mRNA to promote centriole duplication. <i>Journal of Cell Biology</i> , 2020, 219, .	2.3	11
41	Upstream open reading frames control PLK4 translation and centriole duplication in primordial germ cells. <i>Genes and Development</i> , 2022, 36, 718-736.	2.7	8
42	Polo-like Kinase 4 Shapes Up. <i>Structure</i> , 2014, 22, 1071-1073.	1.6	7
43	Cell cycle proteins moonlight in multiciliogenesis. <i>Science</i> , 2017, 358, 716-718.	6.0	4
44	TRIM37: a critical orchestrator of centrosome function. <i>Cell Cycle</i> , 2021, 20, 2443-2451.	1.3	2
45	Pushed out of a tough crowd: centrosome aberrations promote invasiveness. <i>EMBO Journal</i> , 2018, 37, .	3.5	0