

Matthew J O'connell

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

1,798
citations

567281

15
h-index

580821

25
g-index

35
all docs

35
docs citations

35
times ranked

2315
citing authors

#	ARTICLE	IF	CITATIONS
1	Cell Cycle Regulation by Checkpoints. <i>Methods in Molecular Biology</i> , 2014, 1170, 29-40.	0.9	356
2	The G2-phase DNA-damage checkpoint. <i>Trends in Cell Biology</i> , 2000, 10, 296-303.	7.9	352
3	Never say never. The NIMA-related protein kinases in mitotic control. <i>Trends in Cell Biology</i> , 2003, 13, 221-228.	7.9	221
4	Phosphorylation activates Chk1 and is required for checkpoint-mediated cell cycle arrest. <i>Journal of Cell Science</i> , 2002, 115, 4555-4564.	2.0	139
5	Rad18 Is Required for DNA Repair and Checkpoint Responses in Fission Yeast. <i>Molecular Biology of the Cell</i> , 1999, 10, 2905-2918.	2.1	129
6	G2 damage checkpoints: what is the turn-on?. <i>Journal of Cell Science</i> , 2005, 118, 1-6.	2.0	95
7	Coordination of DNA Damage Responses via the Smc5/Smc6 Complex. <i>Molecular and Cellular Biology</i> , 2004, 24, 662-674.	2.3	80
8	Regulation of Chk1. <i>Cell Division</i> , 2009, 4, 8.	2.4	70
9	The G2 DNA damage checkpoint: Could this ancient regulator be the Achilles heel of cancer?. <i>Cancer Biology and Therapy</i> , 2009, 8, 1433-1439.	3.4	54
10	Smc5-Smc6-Dependent Removal of Cohesin from Mitotic Chromosomes. <i>Molecular and Cellular Biology</i> , 2009, 29, 4363-4375.	2.3	48
11	Structural maintenance of chromosomes (SMC) proteins, a family of conserved ATPases. <i>Genome Biology</i> , 2002, 3, reviews3003.1.	9.6	46
12	DNA damage checkpoint maintenance through sustained Chk1 activity. <i>Journal of Cell Science</i> , 2004, 117, 3489-3498.	2.0	39
13	Brc1-Mediated Rescue of Smc5/6 Deficiency: Requirement for Multiple Nucleases and a Novel Rad18 Function. <i>Genetics</i> , 2007, 175, 1585-1595.	2.9	33
14	Turning off the G2 DNA damage checkpoint. <i>DNA Repair</i> , 2008, 7, 136-140.	2.8	32
15	SMC complexes and topoisomerase II work together so that sister chromatids can work apart. <i>Cell Cycle</i> , 2010, 9, 2065-2070.	2.6	25
16	Regulatory motifs in Chk1. <i>Cell Cycle</i> , 2013, 12, 916-922.	2.6	12
17	H2A.Z-Dependent Regulation of Cohesin Dynamics on Chromosome Arms. <i>Molecular and Cellular Biology</i> , 2014, 34, 2092-2104.	2.3	12
18	Antagonism of Chk1 Signaling in the G2 DNA Damage Checkpoint by Dominant Alleles of Cdr1. <i>Genetics</i> , 2006, 174, 113-123.	2.9	11

#	ARTICLE	IF	CITATIONS
19	Functional interplay between cohesin and Smc5/6 complexes. <i>Chromosoma</i> , 2014, 123, 437-445.	2.2	10
20	DNA Topoisomerase II modulates acetyl-regulation of cohesin-mediated chromosome dynamics. <i>Current Genetics</i> , 2017, 63, 923-930.	1.7	9
21	Initiation of DNA damage responses through XPG-related nucleases. <i>EMBO Journal</i> , 2012, 32, 290-302.	7.8	8
22	XPG-related nucleases are hierarchically recruited for double-stranded rDNA break resection. <i>Journal of Biological Chemistry</i> , 2019, 294, 7632-7643.	3.4	5
23	Molecular mechanisms involved in initiation of the DNA damage response. <i>Molecular and Cellular Oncology</i> , 2015, 2, e970065.	0.7	4
24	An acetyltransferase-independent function of Eso1 regulates centromere cohesion. <i>Molecular Biology of the Cell</i> , 2016, 27, 4002-4010.	2.1	4
25	Doxycycline promotes proteasome fitness in the central nervous system. <i>Scientific Reports</i> , 2021, 11, 17003.	3.3	4
26	Generation and Analysis of dsDNA Breaks for Checkpoint and Repair Studies in Fission Yeast. <i>Methods in Molecular Biology</i> , 2021, 2267, 191-205.	0.9	0