

Adele L Marston

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

3,378
citations

201674

27
h-index

214800

47
g-index

81
all docs

81
docs citations

81
times ranked

3096
citing authors

#	ARTICLE	IF	CITATIONS
1	Polar localization of the MinD protein of <i>Bacillus subtilis</i> and its role in selection of the mid-cell division site. <i>Genes and Development</i> , 1998, 12, 3419-3430.	5.9	332
2	Meiosis: cell-cycle controls shuffle and deal. <i>Nature Reviews Molecular Cell Biology</i> , 2004, 5, 983-997.	37.0	293
3	A Genome-Wide Screen Identifies Genes Required for Centromeric Cohesion. <i>Science</i> , 2004, 303, 1367-1370.	12.6	252
4	GFP vectors for controlled expression and dual labelling of protein fusions in <i>Bacillus subtilis</i> . <i>Gene</i> , 1999, 227, 101-109.	2.2	234
5	Dynamic Movement of the ParA-like Soj Protein of <i>B. subtilis</i> and Its Dual Role in Nucleoid Organization and Developmental Regulation. <i>Molecular Cell</i> , 1999, 4, 673-682.	9.7	186
6	Selection of the midcell division site in <i>Bacillus subtilis</i> through MinD-dependent polar localization and activation of MinC. <i>Molecular Microbiology</i> , 1999, 33, 84-96.	2.5	181
7	Deep functional analysis of synII, a 770-kilobase synthetic yeast chromosome. <i>Science</i> , 2017, 355, .	12.6	163
8	The Cdc14 Phosphatase and the FEAR Network Control Meiotic Spindle Disassembly and Chromosome Segregation. <i>Developmental Cell</i> , 2003, 4, 711-726.	7.0	118
9	The kinetochore prevents centromere-proximal crossover recombination during meiosis. <i>ELife</i> , 2015, 4, .	6.0	108
10	Cohesin-Dependent Association of Scc2/4 with the Centromere Initiates Pericentromeric Cohesion Establishment. <i>Current Biology</i> , 2013, 23, 599-606.	3.9	92
11	The Kinetochore Receptor for the Cohesin Loading Complex. <i>Cell</i> , 2017, 171, 72-84.e13.	28.9	88
12	The core centromere and Sgo1 establish a 50-kb cohesin-protected domain around centromeres during meiosis I. <i>Genes and Development</i> , 2005, 19, 3017-3030.	5.9	87
13	Establishment of Cohesion at the Pericentromere by the Ctf19 Kinetochore Subcomplex and the Replication Fork-Associated Factor, Csm3. <i>PLoS Genetics</i> , 2009, 5, e1000629.	3.5	87
14	Chromosome Segregation in Budding Yeast: Sister Chromatid Cohesion and Related Mechanisms. <i>Genetics</i> , 2014, 196, 31-63.	2.9	84
15	From equator to pole: splitting chromosomes in mitosis and meiosis. <i>Genes and Development</i> , 2015, 29, 109-122.	5.9	82
16	Shugoshins: Tension-Sensitive Pericentromeric Adaptors Safeguarding Chromosome Segregation. <i>Molecular and Cellular Biology</i> , 2015, 35, 634-648.	2.3	82
17	Shugoshin biases chromosomes for biorientation through condensin recruitment to the pericentromere. <i>ELife</i> , 2014, 3, e01374.	6.0	74
18	Structural evidence for Scc4-dependent localization of cohesin loading. <i>ELife</i> , 2015, 4, e06057.	6.0	69

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19	Sister kinetochores are mechanically fused during meiosis I in yeast. <i>Science</i> , 2014, 346, 248-251.	12.6	68
20	Tension-dependent removal of pericentromeric shugoshin is an indicator of sister chromosome biorientation. <i>Genes and Development</i> , 2014, 28, 1291-1309.	5.9	65
21	Shugoshin prevents cohesin cleavage by PP2A ^{Cdc55} -dependent inhibition of separase. <i>Genes and Development</i> , 2009, 23, 766-780.	5.9	59
22	Multiple Duties for Spindle Assembly Checkpoint Kinases in Meiosis. <i>Frontiers in Cell and Developmental Biology</i> , 2017, 5, 109.	3.7	59
23	A localized GTPase exchange factor, Bud5, determines the orientation of division axes in yeast. <i>Current Biology</i> , 2001, 11, 803-807.	3.9	54
24	Convergent genes shape budding yeast pericentromeres. <i>Nature</i> , 2020, 582, 119-123.	27.8	50
25	The Role of Shugoshin in Meiotic Chromosome Segregation. <i>Cytogenetic and Genome Research</i> , 2011, 133, 234-242.	1.1	49
26	Shugoshin Promotes Sister Kinetochores Biorientation in <i>Saccharomyces cerevisiae</i> . <i>Molecular Biology of the Cell</i> , 2008, 19, 1199-1209.	2.1	43
27	Cohesin and chromosome segregation. <i>Current Biology</i> , 2018, 28, R688-R693.	3.9	41
28	Reductional Meiosis I Chromosome Segregation Is Established by Coordination of Key Meiotic Kinases. <i>Developmental Cell</i> , 2019, 49, 526-541.e5.	7.0	29
29	Cdc55 coordinates spindle assembly and chromosome disjunction during meiosis. <i>Journal of Cell Biology</i> , 2011, 193, 1213-1228.	5.2	28
30	Meiosis: DDK Is Not Just for Replication. <i>Current Biology</i> , 2009, 19, R74-R76.	3.9	25
31	Genes Important for <i>Schizosaccharomyces pombe</i> Meiosis Identified Through a Functional Genomics Screen. <i>Genetics</i> , 2018, 208, 589-603.	2.9	23
32	Cdc14 phosphatase directs centrosome re-duplication at the meiosis I to meiosis II transition in budding yeast. <i>Wellcome Open Research</i> , 2017, 2, 2.	1.8	20
33	The molecular basis of monopolin recruitment to the kinetochore. <i>Chromosoma</i> , 2019, 128, 331-354.	2.2	17
34	Evolutionary repair: Changes in multiple functional modules allow meiotic cohesin to support mitosis. <i>PLoS Biology</i> , 2020, 18, e3000635.	5.6	15
35	The Proteomic Landscape of Centromeric Chromatin Reveals an Essential Role for the Ctf19CCAN Complex in Meiotic Kinetochore Assembly. <i>Current Biology</i> , 2021, 31, 283-296.e7.	3.9	14
36	Spo13 prevents premature cohesin cleavage during meiosis. <i>Wellcome Open Research</i> , 2019, 4, 29.	1.8	14

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37	Eco1-dependent cohesin acetylation anchors chromatin loops and cohesion to define functional meiotic chromosome domains. <i>ELife</i> , 2022, 11, .	6.0	14
38	Cdc14 phosphatase directs centrosome re-duplication at the meiosis I to meiosis II transition in budding yeast. <i>Wellcome Open Research</i> , 0, 2, 2.	1.8	9
39	Spo13 prevents premature cohesin cleavage during meiosis. <i>Wellcome Open Research</i> , 2019, 4, 29.	1.8	9
40	A dCas9-Based System Identifies a Central Role for Ctf19 in Kinetochores-Derived Suppression of Meiotic Recombination. <i>Genetics</i> , 2020, 216, 395-408.	2.9	8
41	Meiosis I Kinase Regulators: Conserved Orchestrators of Reductional Chromosome Segregation. <i>BioEssays</i> , 2020, 42, e2000018.	2.5	7
42	Analysis of the Chromosomal Localization of Yeast SMC Complexes by Chromatin Immunoprecipitation. <i>Methods in Molecular Biology</i> , 2019, 2004, 119-138.	0.9	6
43	A Functional Link Between Bir1 and the <i>Saccharomyces cerevisiae</i> Ctf19 Kinetochores Complex Revealed Through Quantitative Fitness Analysis. <i>G3: Genes, Genomes, Genetics</i> , 2017, 7, 3203-3215.	1.8	5
44	SUMOylation stabilizes sister kinetochores biorientation to allow timely anaphase. <i>Journal of Cell Biology</i> , 2021, 220, .	5.2	5
45	A JARID Family Demethylase Controls Differentiation Timing through Global Effects on Transcription. <i>Molecular Cell</i> , 2012, 48, 489-490.	9.7	2
46	Dalmatian: spotting the difference in cohesin protectors. <i>EMBO Journal</i> , 2017, 36, 1468-1470.	7.8	1
47	A SUMOylation wave to anchor the genome. <i>Journal of Cell Biology</i> , 2021, 220, .	5.2	1
48	From a to $\hat{\pm}$. <i>Yeast as a Model for Cellular Differentiation</i> . H. Madhani. Cold Spring Harbor Laboratory Press. 2007. 108 pages. ISBN-13 978-087969738-9. ISBN-10 087969738-5. Price \$39. (paperback). <i>Genetical Research</i> , 2007, 89, 61-61.	0.9	0
49	Direct Evidence for Sister Kinetochores Fusion in Meiosis I. <i>Biophysical Journal</i> , 2014, 106, 637a.	0.5	0
50	Roles of Centromeres and Kinetochores in Meiosis. , 2009, , 1-37.		0
51	Angelika Amon (1967â€“2020): Breakthrough scientist, extraordinary mentor, and loyal friend. <i>Journal of Cell Biology</i> , 2021, 220, .	5.2	0
52	Title is missing!. , 2020, 18, e3000635.		0
53	Title is missing!. , 2020, 18, e3000635.		0
54	Title is missing!. , 2020, 18, e3000635.		0

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55	Title is missing!. , 2020, 18, e3000635.		0