

JoAnne Engebrecht

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

5,800
citations

147801

31
h-index

155660

55
g-index

62
all docs

62
docs citations

62
times ranked

3723
citing authors

#	ARTICLE	IF	CITATIONS
1	Bacterial bioluminescence: Isolation and genetic analysis of functions from <i>Vibrio fischeri</i> . <i>Cell</i> , 1983, 32, 773-781.	28.9	835
2	ZIP1 is a synaptonemal complex protein required for meiotic chromosome synapsis. <i>Cell</i> , 1993, 72, 365-378.	28.9	625
3	Human ADP-ribosylation Factor-activated Phosphatidylcholine-specific Phospholipase D Defines a New and Highly Conserved Gene Family. <i>Journal of Biological Chemistry</i> , 1995, 270, 29640-29643.	3.4	614
4	Mutagenesis of phospholipase D defines a superfamily including a trans-Golgi viral protein required for poxvirus pathogenicity. <i>EMBO Journal</i> , 1997, 16, 4519-4530.	7.8	341
5	Meiosis-specific RNA splicing in yeast. <i>Cell</i> , 1991, 66, 1257-1268.	28.9	212
6	Meiotic gene conversion and crossing over: Their relationship to each other and to chromosome synapsis and segregation. <i>Cell</i> , 1990, 62, 927-937.	28.9	209
7	Phospholipase D signaling is essential for meiosis.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995, 92, 12151-12155.	7.1	208
8	Differential timing of S phases, X chromosome replication, and meiotic prophase in the <i>C. elegans</i> germ line. <i>Developmental Biology</i> , 2007, 308, 206-221.	2.0	196
9	Measurement of Phospholipase D Activity. <i>Analytical Biochemistry</i> , 1997, 252, 1-9.	2.4	189
10	Structure and regulation of phospholipase D. <i>Trends in Pharmacological Sciences</i> , 1996, 17, 182-185.	8.7	180
11	Identification of a phosphoinositide binding motif that mediates activation of mammalian and yeast phospholipase D isoenzymes. <i>EMBO Journal</i> , 1999, 18, 5911-5921.	7.8	158
12	Measuring gene expression with light. <i>Science</i> , 1985, 227, 1345-1347.	12.6	157
13	Relocalization of Phospholipase D Activity Mediates Membrane Formation During Meiosis. <i>Journal of Cell Biology</i> , 1998, 140, 81-90.	5.2	151
14	MER1, a yeast gene required for chromosome pairing and genetic recombination, is induced in meiosis.. <i>Molecular and Cellular Biology</i> , 1990, 10, 2379-2389.	2.3	149
15	Nucleotide sequence of the regulatory locus controlling expression of bacterial genes for bioluminescence. <i>Nucleic Acids Research</i> , 1987, 15, 10455-10467.	14.5	146
16	Phospholipase D and the SNARE Sso1p are necessary for vesicle fusion during sporulation in yeast. <i>Journal of Cell Science</i> , 2006, 119, 1406-1415.	2.0	110
17	SYP-3 Restricts Synaptonemal Complex Assembly to Bridge Paired Chromosome Axes During Meiosis in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2007, 176, 2015-2025.	2.9	105
18	Dual role for phosphoinositides in regulation of yeast and mammalian phospholipase D enzymes. <i>Journal of Cell Biology</i> , 2002, 159, 1039-1049.	5.2	93

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19	Chapter 12 Genetic and Morphological Approaches for the Analysis of Meiotic Chromosomes in Yeast. <i>Methods in Cell Biology</i> , 1997, 53, 257-285.	1.1	68
20	Meiotic Errors Activate Checkpoints that Improve Gamete Quality without Triggering Apoptosis in Male Germ Cells. <i>Current Biology</i> , 2010, 20, 2078-2089.	3.9	68
21	Roles of Phosphoinositides and of Spo14p (phospholipase D)-generated Phosphatidic Acid during Yeast Sporulation. <i>Molecular Biology of the Cell</i> , 2004, 15, 207-218.	2.1	63
22	Yeast dom34 Mutants Are Defective in Multiple Developmental Pathways and Exhibit Decreased Levels of Polyribosomes. <i>Genetics</i> , 1998, 149, 45-56.	2.9	59
23	ADP-Ribosylation Factors Do Not Activate Yeast Phospholipase Ds but Are Required for Sporulation. <i>Molecular Biology of the Cell</i> , 1998, 9, 2025-2036.	2.1	55
24	DNA Damage Response and Spindle Assembly Checkpoint Function throughout the Cell Cycle to Ensure Genomic Integrity. <i>PLoS Genetics</i> , 2015, 11, e1005150.	3.5	49
25	LINC complexes promote homologous recombination in part through inhibition of nonhomologous end joining. <i>Journal of Cell Biology</i> , 2016, 215, 801-821.	5.2	48
26	Regulation and function of PLDs in yeast. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 1999, 1439, 167-174.	2.4	44
27	The tumor suppressor BRCA1-BARD1 complex localizes to the synaptonemal complex and regulates recombination under meiotic dysfunction in <i>Caenorhabditis elegans</i> . <i>PLoS Genetics</i> , 2018, 14, e1007701.	3.5	44
28	Pseudosynapsis and Decreased Stringency of Meiotic Repair Pathway Choice on the Hemizygous Sex Chromosome of <i>Caenorhabditis elegans</i> Males. <i>Genetics</i> , 2014, 197, 543-560.	2.9	39
29	A Single Unpaired and Transcriptionally Silenced X Chromosome Locally Precludes Checkpoint Signaling in the <i>Caenorhabditis elegans</i> Germ Line. <i>Genetics</i> , 2010, 184, 613-628.	2.9	38
30	Minipreps of Plasmid DNA. <i>Current Protocols in Molecular Biology</i> , 1991, 15, Unit1.6.	2.9	37
31	The <i>Saccharomyces cerevisiae</i> MUM2 Gene Interacts With the DNA Replication Machinery and Is Required for Meiotic Levels of Double Strand Breaks. <i>Genetics</i> , 2001, 157, 1179-1189.	2.9	36
32	<i>SPO14</i> Separation-of-Function Mutations Define Unique Roles for Phospholipase D in Secretion and Cellular Differentiation in <i>Saccharomyces cerevisiae</i> . <i>Genetics</i> , 2001, 158, 1431-1444.	2.9	35
33	<i>Caenorhabditis elegans</i> Histone Methyltransferase MET-2 Shields the Male X Chromosome from Checkpoint Machinery and Mediates Meiotic Sex Chromosome Inactivation. <i>PLoS Genetics</i> , 2011, 7, e1002267.	3.5	32
34	<i>Saccharomyces cerevisiae</i> Sps1p Regulates Trafficking of Enzymes Required for Spore Wall Synthesis. <i>Eukaryotic Cell</i> , 2005, 4, 536-544.	3.4	31
35	Regulation of Expression of Bacterial Genes for Bioluminescence. , 1986, , 31-44.		31
36	Differential Regulation of <i>Saccharomyces cerevisiae</i> Phospholipase D in Sporulation and Sec14-Independent Secretion. <i>Genetics</i> , 2002, 160, 1353-1361.	2.9	29

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37	A toolbox of IgG subclass-switched recombinant monoclonal antibodies for enhanced multiplex immunolabeling of brain. <i>ELife</i> , 2019, 8, .	6.0	27
38	Yeast Meiotic Mutants Proficient for the Induction of Ectopic Recombination. <i>Genetics</i> , 1998, 148, 581-598.	2.9	27
39	DNA repair, recombination, and damage signaling. <i>Genetics</i> , 2022, 220, .	2.9	26
40	End3p-Mediated Endocytosis Is Required for Spore Wall Formation in <i>Saccharomyces cerevisiae</i> . <i>Genetics</i> , 2005, 170, 1561-1574.	2.9	22
41	Cell signaling in yeast sporulation. <i>Biochemical and Biophysical Research Communications</i> , 2003, 306, 325-328.	2.1	19
42	Snc1p vâ€™SNARE Transport to the Prospore Membrane During Yeast Sporulation is Dependent on Endosomal Retrieval Pathways. <i>Traffic</i> , 2007, 8, 1231-1245.	2.7	19
43	Phospholipase D function in <i>Saccharomyces cerevisiae</i> . <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2009, 1791, 970-974.	2.4	19
44	The Arf-GTPase-Activating Protein Gcs1p Is Essential for Sporulation and Regulates the Phospholipase D Spo14p. <i>Eukaryotic Cell</i> , 2006, 5, 112-124.	3.4	18
45	Meiotic Double-Strand Break Processing and Crossover Patterning Are Regulated in a Sex-Specific Manner by BRCA1â€™BARD1 in <i>CaenorhabditisÂlegans</i> . <i>Genetics</i> , 2020, 216, 359-379.	2.9	18
46	BRCA1 and BRCA2 Tumor Suppressor Function in Meiosis. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 668309.	3.7	18
47	Phosphatidylinositol-4,5-Bisphosphate and Phospholipase D-Generated Phosphatidic Acid Specify SNARE-Mediated Vesicle Fusion for Prospore Membrane Formation. <i>Eukaryotic Cell</i> , 2009, 8, 1094-1105.	3.4	16
48	Heteromorphic sex chromosomes: Navigating meiosis without a homologous partner. <i>Molecular Reproduction and Development</i> , 2011, 78, 623-632.	2.0	15
49	Regulation of Luminescence in Marine Bacteria. , 1989, , 71-86.		12
50	Plasticity in the Meiotic Epigenetic Landscape of Sex Chromosomes in <i>Caenorhabditis</i> Species. <i>Genetics</i> , 2016, 203, 1641-1658.	2.9	11
51	Evidence for plasmid-encoded manganese oxidation in a marine pseudomonad. <i>FEMS Microbiology Letters</i> , 1983, 19, 1-6.	1.8	10
52	Sorting Signals within the <i>Saccharomyces cerevisiae</i> Sporulation-Specific Dityrosine Transporter, Dtr1p, C Terminus Promote Golgi-to-Prospore Membrane Transport. <i>Eukaryotic Cell</i> , 2008, 7, 1674-1684.	3.4	8
53	The spindle assembly checkpoint: More than just keeping track of the spindle. <i>Trends in Cell & Molecular Biology</i> , 2015, 10, 141-150.	0.5	7
54	To Break or Not To Break: Sex Chromosome Hemizyosity During Meiosis in <i>Caenorhabditis</i> . <i>Genetics</i> , 2016, 204, 999-1013.	2.9	6

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55	Inducible degradation of dosage compensation protein DPY-27 facilitates isolation of <i>Caenorhabditis elegans</i> males for molecular and biochemical analyses. <i>G3: Genes, Genomes, Genetics</i> , 2022, 12, .	1.8	6
56	Regulation of Luminescence in Marine Bacteria. , 1989, , 71-86.		5
57	[8] Techniques for cloning and analyzing bioluminescence genes from marine bacteria. <i>Methods in Enzymology</i> , 1986, , 83-98.	1.0	4
58	Slowing Replication in Preparation for Reduction. <i>PLoS Genetics</i> , 2012, 8, e1002715.	3.5	1