Anne Ephrussi

List of Publications by Year
in descending order

87 papers	9,813 citations	46918 47 h-index	51492 86 g-index
106 all docs	106 docs citations	106 times ranked	8444 citing authors

#	Article	IF	Citations
1	mRNA Localization: Gene Expression in the Spatial Dimension. Cell, 2009, 136, 719-730.	13.5	937
2	oskar organizes the germ plasm and directs localization of the posterior determinant nanos. Cell, 1991, 66, 37-50.	13.5	768
3	Induction of germ cell formation by oskar. Nature, 1992, 358, 387-392.	13.7	598
4	Cell-type-specific contacts to immunoglobulin enhancers in nuclei. Nature, 1985, 313, 798-801.	13.7	358
5	Tribbles Coordinates Mitosis and Morphogenesis in Drosophila by Regulating String/CDC25 Proteolysis. Cell, 2000, 101, 511-522.	13.5	358
6	Translational control of localized mRNAs: restricting protein synthesis in space and time. Nature Reviews Molecular Cell Biology, 2008, 9, 971-980.	16.1	324
7	Considerations when investigating lncRNA function in vivo. ELife, 2014, 3, e03058.	2.8	309
8	Splicing of oskar RNA in the nucleus is coupled to its cytoplasmic localization. Nature, 2004, 428, 959-963.	13.7	307
9	Axis formation during Drosophila oogenesis. Current Opinion in Genetics and Development, 2001, 11, 374-383.	1.5	253
10	An RNA biosensor for imaging the first round of translation from single cells to living animals. Science, 2015, 347, 1367-1671.	6.0	238
11	Requirement for Drosophila cytoplasmic tropomyosin in oskar mRNA localization. Nature, 1995, 377, 524-527.	13.7	213
12	Relief of gene repression by Torso RTK signaling: role of <i>capicua</i> in <i>Drosophila</i> terminal and dorsoventral patterning. Genes and Development, 2000, 14, 224-231.	2.7	209
13	RNA Clamping by Vasa Assembles a piRNA Amplifier Complex on Transposon Transcripts. Cell, 2014, 157, 1698-1711.	13.5	208
14	Drosophila Y14 shuttles to the posterior of the oocyte and is required for oskar mRNA transport. Current Biology, 2001, 11, 1666-1674.	1.8	206
15	Bruno Acts as a Dual Repressor of oskar Translation, Promoting mRNA Oligomerization and Formation of Silencing Particles. Cell, 2006, 124, 521-533.	13.5	200
16	The nuclear receptor homologue Ftz-F1 and the homeodomain protein Ftz are mutually dependent cofactors. Nature, 1997, 385, 548-552.	13.7	180
17	A germline-specific gap junction protein required for survival of differentiating early germ cells. Development (Cambridge), 2002, 129, 2529-2539.	1.2	172
18	Seeing Is Believing. Cell, 2004, 116, 143-152.	13.5	164

#	Article	IF	Citations
19	Cytoplasmic flows localize injected oskar RNA in Drosophila oocytes. Current Biology, 1997, 7, 326-337.	1.8	157
20	A Drosophila melanogaster homologue of Caenorhabditis elegans par-1 acts at an early step in embryonic-axis formation. Nature Cell Biology, 2000, 2, 458-460.	4.6	157
21	A translation-independent role of oskar RNA in early Drosophila oogenesis. Development (Cambridge), 2006, 133, 2827-2833.	1.2	156
22	Global changes of the RNA-bound proteome during the maternal-to-zygotic transition in Drosophila. Nature Communications, 2016, 7, 12128.	5.8	134
23	Drosophila Perilipin/ADRP homologue Lsd2 regulates lipid metabolism. Mechanisms of Development, 2003, 120, 1071-1081.	1.7	130
24	Oskar anchoring restricts pole plasm formation to the posterior of the<i>Drosophila</i>oocyte. Development (Cambridge), 2002, 129, 3705-3714.	1.2	125
25	Enzymatic production of single-molecule FISH and RNA capture probes. Rna, 2017, 23, 1582-1591.	1.6	122
26	Hrp48, a Drosophila hnRNPA/B Homolog, Binds and Regulates Translation of oskar mRNA. Developmental Cell, 2004, 6, 637-648.	3.1	112
27	Control of RNP motility and localization by a splicing-dependent structure in oskar mRNA. Nature Structural and Molecular Biology, 2012, 19, 441-449.	3.6	109
28	<i>Drosophila</i> PTB promotes formation of high-order RNP particles and represses <i>oskar</i> translation. Genes and Development, 2009, 23, 195-207.	2.7	108
29	Orb and a long poly(A) tail are required for efficientoskartranslation at the posterior pole of theDrosophilaoocyte. Development (Cambridge), 2003, 130, 835-843.	1.2	105
30	Brightness Enhanced DNA FIT-Probes for Wash-Free RNA Imaging in Tissue. Journal of the American Chemical Society, 2013, 135, 19025-19032.	6.6	103
31	mRNA localization and the cytoskeleton. Seminars in Cell and Developmental Biology, 1996, 7, 357-365.	2.3	101
32	Drosophila Ensconsin Promotes Productive Recruitment of Kinesin-1 to Microtubules. Developmental Cell, 2008, 15, 866-876.	3.1	91
33	Aster migration determines the length scale of nuclear separation in the <i>Drosophila</i> syncytial embryo. Journal of Cell Biology, 2012, 197, 887-895.	2.3	88
34	Nuclear Pores Assemble from Nucleoporin Condensates During Oogenesis. Cell, 2019, 179, 671-686.e17.	13.5	87
35	Myosin-V Regulates oskar mRNA Localization in the Drosophila Oocyte. Current Biology, 2009, 19, 1058-1063.	1.8	84
36	Stimulation of Endocytosis and Actin Dynamics by Oskar Polarizes the Drosophila Oocyte. Developmental Cell, 2007, 12, 543-555.	3.1	82

#	Article	IF	Citations
37	Dimerization of <i>oskar</i> 3â€² UTRs promotes hitchhiking for RNA localization in the <i>Drosophila</i> oocyte. Rna, 2011, 17, 2049-2057.	1.6	79
38	The Crystal Structure of the Drosophila Germline Inducer Oskar Identifies Two Domains with Distinct Vasa Helicase- and RNA-Binding Activities. Cell Reports, 2015, 12, 587-598.	2.9	76
39	Arginine methyltransferase Capsuleèn is essential for methylation of spliceosomal Sm proteins and germ cell formation in Drosophila. Development (Cambridge), 2007, 134, 137-146.	1.2	74
40	Bruno regulates gurken during Drosophila oogenesis. Mechanisms of Development, 2003, 120, 289-297.	1.7	69
41	Par-1 regulates stability of the posterior determinant Oskar by phosphorylation. Nature Cell Biology, 2002, 4, 337-342.	4.6	66
42	Rab6 mediates membrane organization and determinant localization during Drosophila oogenesis. Development (Cambridge), 2007, 134, 1419-1430.	1.2	64
43	LNA-enhanced DNA FIT-probes for multicolour RNA imaging. Chemical Science, 2016, 7, 128-135.	3.7	64
44	Oskar anchoring restricts pole plasm formation to the posterior of the Drosophila oocyte. Development (Cambridge), 2002, 129, 3705-14.	1.2	63
45	A stemâ€“loop structure directs<i>oskar</i>mRNA to microtubule minus ends. Rna, 2014, 20, 429-439.	1.6	62
46	The LOTUS domain is a conserved DEAD-box RNA helicase regulator essential for the recruitment of Vasa to the germ plasm and nuage. Genes and Development, 2017, 31, 939-952.	2.7	61
47	An <scp>RNA</scp>â€binding atypical tropomyosin recruits kinesinâ€1 dynamically to <i>oskar</i><scp>mRNP</scp>s. EMBO Journal, 2017, 36, 319-333.	3.5	60
48	Imp Promotes Axonal Remodeling by Regulating profilin mRNA during Brain Development. Current Biology, 2014, 24, 793-800.	1.8	58
49	Brightness through Local Constraintâ€"LNAâ€Enhanced FIT Hybridization Probes for In Vivo Ribonucleotide Particle Tracking. Angewandte Chemie - International Edition, 2014, 53, 11370-11375.	7.2	55
50	The Fusome and Microtubules Enrich Par-1 in the Oocyte, Where It Effects Polarization in Conjunction with Par-3, BicD, Egl, and Dynein. Current Biology, 2002, 12, 1524-1528.	1.8	54
51	Strength in numbers: quantitative singleâ€molecule <scp>RNA</scp> detection assays. Wiley Interdisciplinary Reviews: Developmental Biology, 2015, 4, 135-150.	5.9	52
52	CncRNAs: RNAs with both coding and non-coding roles in development. Development (Cambridge), 2016, 143, 1234-1241.	1.2	48
53	Gain-of-Function Screen for Genes That Affect Drosophila Muscle Pattern Formation. PLoS Genetics, 2005, 1, e55.	1.5	47
54	Liquid-to-solid phase transition of oskar ribonucleoprotein granules is essential for their function in Drosophila embryonic development. Cell, 2022, 185, 1308-1324.e23.	13.5	47

#	Article	IF	Citations
55	<i>oskar</i> RNA plays multiple noncoding roles to support oogenesis and maintain integrity of the germline/soma distinction. Rna, 2015, 21, 1096-1109.	1.6	44
56	The Ig cell adhesion molecule Basigin controls compartmentalization and vesicle release at Drosophila melanogaster synapses. Journal of Cell Biology, 2007, 177, 843-855.	2.3	43
57	An Intracellular Transmission Control Protocol: assembly and transport of ribonucleoprotein complexes. Current Opinion in Cell Biology, 2012, 24, 202-210.	2.6	43
58	The Drosophila PAR-1 Spacer Domain Is Required for Lateral Membrane Association and for Polarization of Follicular Epithelial Cells. Current Biology, 2005, 15, 255-261.	1.8	40
59	The actin-binding protein Lasp promotes Oskar accumulation at the posterior pole of the<i>Drosophila</i>embryo. Development (Cambridge), 2009, 136, 95-105.	1.2	40
60	High-precision targeting workflow for volume electron microscopy. Journal of Cell Biology, 2021, 220, .	2.3	33
61	Par-1 regulates bicoid mRNA localisation by phosphorylating Exuperantia. Development (Cambridge), 2004, 131, 5897-5907.	1.2	29
62	Molecular basis of mRNA transport by a kinesin-1â€"atypical tropomyosin complex. Genes and Development, 2021, 35, 976-991.	2.7	29
63	Klar ensures thermal robustness of <i>oskar</i> localization by restraining RNP motility. Journal of Cell Biology, 2014, 206, 199-215.	2.3	27
64	Drosophila Ge-1 Promotes P Body Formation and oskar mRNA Localization. PLoS ONE, 2011, 6, e20612.	1.1	27
65	A Cdc42-regulated actin cytoskeleton mediates <i>Drosophila</i> oocyte polarization. Development (Cambridge), 2013, 140, 362-371.	1.2	26
66	The EJC Binding and Dissociating Activity of PYM Is Regulated in Drosophila. PLoS Genetics, 2014, 10, e1004455.	1.5	23
67	Germ Plasm Formation and Germ Cell Determination in <i>Drosophila</i>. Novartis Foundation Symposium, 1994, 182, 282-304.	1.2	22
68	Live imaging of axonal transport in Drosophila pupal brain explants. Nature Protocols, 2015, 10, 574-584.	5.5	21
69	The structure of the SOLE element of <i>oskar</i> mRNA. Rna, 2015, 21, 1444-1453.	1.6	20
70	Transposon silencing in the<i>Drosophila</i>female germline is essential for genome stability in progeny embryos. Life Science Alliance, 2018, 1, e201800179.	1.3	20
71	Staufen2-mediated RNA recognition and localization requires combinatorial action of multiple domains. Nature Communications, 2019, 10, 1659.	5.8	18
72	PKA-R1 spatially restricts Oskar expression for Drosophilaembryonic patterning. Development (Cambridge), 2004, 131, 1401-1410.	1.2	16

#	Article	IF	Citations
73	A single Drosophila embryo extract for the study of mitosis ex vivo. Nature Protocols, 2013, 8, 310-324.	5.5	16
74	Quantitative mRNA Imaging with Dual Channel qFIT Probes to Monitor Distribution and Degree of Hybridization. ACS Chemical Biology, 2018, 13, 742-749.	1.6	15
75	The Transcriptome-wide Landscape and Modalities of EJC Binding in Adult Drosophila. Cell Reports, 2019, 28, 1219-1236.e11.	2.9	15
76	Germ Cell Lineage Homeostasis in <i>Drosophila</i> Requires the Vasa RNA Helicase. Genetics, 2019, 213, 911-922.	1.2	14
77	Terminal Deoxynucleotidyl Transferase Mediated Production of Labeled Probes for Single-molecule FISH or RNA Capture. Bio-protocol, 2018, 8, e2750.	0.2	14
78	Validation and classification of RNA binding proteins identified by mRNA interactome capture. Rna, 2021, 27, 1173-1185.	1.6	11
79	Ex vivo Ooplasmic Extract from Developing Drosophila Oocytes for Quantitative TIRF Microscopy Analysis. Bio-protocol, 2017, 7, .	0.2	8
80	Drosophila Development: RNA Interference ab ovo. Current Biology, 2004, 14, R428-R430.	1.8	6
81	RNA localization feeds translation. Science, 2017, 357, 1235-1236.	6.0	3
82	Transcript specific mRNP capture from Drosophila egg-chambers for proteomic analysis. Methods, 2020, 178, 83-88.	1.9	3
83	Live-Imaging of Axonal Cargoes in Drosophila Brain Explants Using Confocal Microscopy. Methods in Molecular Biology, 2022, 2417, 19-28.	0.4	1
84	Assembly and transport of oskar mRNPs in the Drosophila oocyte. Mechanisms of Development, 2017, 145, S5.	1.7	0
85	In Vivo Visualization and Function Probing of Transport mRNPs Using Injected FIT Probes. Methods in Molecular Biology, 2018, 1649, 273-287.	0.4	0
86	oskar RNP assembly for coordinated transport and translation control. FASEB Journal, 2008, 22, 406.2.	0.2	0
87	High-Resolution Live Imaging of Axonal RNP Granules in Drosophila Pupal Brain Explants. Methods in Molecular Biology, 2022, 2431, 451-462.	0.4	0