Anne Ephrussi

List of Publications by Year in Descending Order

93 papers	7,946 citations	44 h-index	89 g-index
106 ext. papers	8,972 ext. citations	16.2 avg, IF	6.1 L-index

#	Paper	IF	Citations
93	Live-Imaging of Axonal Cargoes in Drosophila Brain Explants Using Confocal Microscopy.. *Methods in Molecular Biology*, **2022**, 2417, 19-28	1.4	1
92	High-Resolution Live Imaging of Axonal RNP Granules in Drosophila Pupal Brain Explants.. *Methods in Molecular Biology*, **2022**, 2431, 451-462	1.4	
91	High-precision targeting workflow for volume electron microscopy. *Journal of Cell Biology*, **2021**, 220,	7.3	9
90	Molecular basis of mRNA transport by a kinesin-1-atypical tropomyosin complex. *Genes and Development*, **2021**, 35, 976-991	12.6	6
89	Validation and classification of RNA binding proteins identified by mRNA interactome capture. *Rna*, **2021**, 27, 1173-1185	5.8	0
88	Transcript specific mRNP capture from Drosophila egg-chambers for proteomic analysis. *Methods*, **2020**, 178, 83-88	4.6	1
87	Staufen2-mediated RNA recognition and localization requires combinatorial action of multiple domains. *Nature Communications*, **2019**, 10, 1659	17.4	8
86	The Transcriptome-wide Landscape and Modalities of EJC Binding in Adult Drosophila. *Cell Reports*, **2019**, 28, 1219-1236.e11	10.6	8
85	Nuclear Pores Assemble from Nucleoporin Condensates During Oogenesis. *Cell*, **2019**, 179, 671-686.e17	56.2	40
84	Germ Cell Lineage Homeostasis in Requires the Vasa RNA Helicase. *Genetics*, **2019**, 213, 911-922	4	8
83	Quantitative mRNA Imaging with Dual Channel qFIT Probes to Monitor Distribution and Degree of Hybridization. *ACS Chemical Biology*, **2018**, 13, 742-749	4.9	11
82	Terminal Deoxynucleotidyl Transferase Mediated Production of Labeled Probes for Single-molecule FISH or RNA Capture. *Bio-protocol*, **2018**, 8, e2750	0.9	8
81	Transposon silencing in the female germline is essential for genome stability in progeny embryos. *Life Science Alliance*, **2018**, 1, e201800179	5.8	9
80	In Vivo Visualization and Function Probing of Transport mRNPs Using Injected FIT Probes. *Methods in Molecular Biology*, **2018**, 1649, 273-287	1.4	
79	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	12.6	42
78	An RNA-binding atypical tropomyosin recruits kinesin-1 dynamically to oskar mRNPs. *EMBO Journal*, **2017**, 36, 319-333	13	37
77	RNA localization feeds translation. *Science*, **2017**, 357, 1235-1236	33.3	2

76	Enzymatic production of single-molecule FISH and RNA capture probes. *Rna*, **2017**, 23, 1582-1591	5.8	69
75	Ooplasmic Extract from Developing Oocytes for Quantitative TIRF Microscopy Analysis. *Bio-protocol*, **2017**, 7,	0.9	4
74	LNA-enhanced DNA FIT-probes for multicolour RNA imaging. *Chemical Science*, **2016**, 7, 128-135	9.4	42
73	Global changes of the RNA-bound proteome during the maternal-to-zygotic transition in Drosophila. *Nature Communications*, **2016**, 7, 12128	17.4	90
72	CncRNAs: RNAs with both coding and non-coding roles in development. *Development (Cambridge)*, **2016**, 143, 1234-41	6.6	32
71	Live imaging of axonal transport in Drosophila pupal brain explants. *Nature Protocols*, **2015**, 10, 574-84	18.8	16
70	The Crystal Structure of the Drosophila Germline Inducer Oskar Identifies Two Domains with Distinct Vasa Helicase- and RNA-Binding Activities. *Cell Reports*, **2015**, 12, 587-98	10.6	57
69	Translation. An RNA biosensor for imaging the first round of translation from single cells to living animals. *Science*, **2015**, 347, 1367-671	33.3	182
68	oskar RNA plays multiple noncoding roles to support oogenesis and maintain integrity of the germline/soma distinction. *Rna*, **2015**, 21, 1096-109	5.8	23
67	The structure of the SOLE element of oskar mRNA. *Rna*, **2015**, 21, 1444-53	5.8	13
66	Strength in numbers: quantitative single-molecule RNA detection assays. *Wiley Interdisciplinary Reviews: Developmental Biology*, **2015**, 4, 135-50	5.9	42
65	Imp promotes axonal remodeling by regulating profilin mRNA during brain development. *Current Biology*, **2014**, 24, 793-800	6.3	47
64	Brightness through local constraint--LNA-enhanced FIT hybridization probes for in vivo ribonucleotide particle tracking. *Angewandte Chemie - International Edition*, **2014**, 53, 11370-5	16.4	50
63	RNA clamping by Vasa assembles a piRNA amplifier complex on transposon transcripts. *Cell*, **2014**, 157, 1698-711	56.2	149
62	Considerations when investigating lncRNA function in vivo. *ELife*, **2014**, 3, e03058	8.9	252
61	Klar ensures thermal robustness of oskar localization by restraining RNP motility. *Journal of Cell Biology*, **2014**, 206, 199-215	7.3	16
60	A stem-loop structure directs oskar mRNA to microtubule minus ends. *Rna*, **2014**, 20, 429-39	5.8	44
59	The EJC binding and dissociating activity of PYM is regulated in Drosophila. *PLoS Genetics*, **2014**, 10, e1004455		17

58	Helligkeit durch lokale Rigidifizierung □LNA-verst□kte FIT-Sonden zur bildgebenden Darstellung von Ribonukleotidpartikeln in vivo. *Angewandte Chemie*, **2014**, 126, 11553-11558	3.6	8
57	A Cdc42-regulated actin cytoskeleton mediates Drosophila oocyte polarization. *Development (Cambridge)*, **2013**, 140, 362-71	6.6	18
56	A single Drosophila embryo extract for the study of mitosis ex vivo. *Nature Protocols*, **2013**, 8, 310-24	18.8	9
55	Brightness enhanced DNA FIT-probes for wash-free RNA imaging in tissue. *Journal of the American Chemical Society*, **2013**, 135, 19025-32	16.4	90
54	An intracellular transmission control protocol: assembly and transport of ribonucleoprotein complexes. *Current Opinion in Cell Biology*, **2012**, 24, 202-10	9	37
53	Control of RNP motility and localization by a splicing-dependent structure in oskar mRNA. *Nature Structural and Molecular Biology*, **2012**, 19, 441-9	17.6	85
52	Aster migration determines the length scale of nuclear separation in the Drosophila syncytial embryo. *Journal of Cell Biology*, **2012**, 197, 887-95	7.3	54
51	Dimerization of oskar 3SUTRs promotes hitchhiking for RNA localization in the Drosophila oocyte. *Rna*, **2011**, 17, 2049-57	5.8	63
50	Drosophila Ge-1 promotes P body formation and oskar mRNA localization. *PLoS ONE*, **2011**, 6, e20612	3.7	20
49	Drosophila PTB promotes formation of high-order RNP particles and represses oskar translation. *Genes and Development*, **2009**, 23, 195-207	12.6	93
48	The actin-binding protein Lasp promotes Oskar accumulation at the posterior pole of the Drosophila embryo. *Development (Cambridge)*, **2009**, 136, 95-105	6.6	33
47	Myosin-V regulates oskar mRNA localization in the Drosophila oocyte. *Current Biology*, **2009**, 19, 1058-63	8.3	76
46	mRNA localization: gene expression in the spatial dimension. *Cell*, **2009**, 136, 719-30	56.2	743
45	Assembly of endogenous oskar mRNA particles for motor-dependent transport in the Drosophila oocyte. *Cell*, **2009**, 139, 983-98	56.2	7
44	Translational control of localized mRNAs: restricting protein synthesis in space and time. *Nature Reviews Molecular Cell Biology*, **2008**, 9, 971-80	48.7	262
43	Drosophila ensconsin promotes productive recruitment of Kinesin-1 to microtubules. *Developmental Cell*, **2008**, 15, 866-76	10.2	71
42	oskar RNP assembly for coordinated transport and translation control. *FASEB Journal*, **2008**, 22, 406.2	0.9	
41	Rab6 mediates membrane organization and determinant localization during Drosophila oogenesis. *Development (Cambridge)*, **2007**, 134, 1419-30	6.6	57

40	Arginine methyltransferase Capsuleen is essential for methylation of spliceosomal Sm proteins and germ cell formation in Drosophila. *Development (Cambridge)*, **2007**, 134, 137-46	6.6	70
39	The Ig cell adhesion molecule Basigin controls compartmentalization and vesicle release at Drosophila melanogaster synapses. *Journal of Cell Biology*, **2007**, 177, 843-55	7.3	41
38	Stimulation of endocytosis and actin dynamics by Oskar polarizes the Drosophila oocyte. *Developmental Cell*, **2007**, 12, 543-55	10.2	72
37	A translation-independent role of oskar RNA in early Drosophila oogenesis. *Development (Cambridge)*, **2006**, 133, 2827-33	6.6	126
36	Bruno acts as a dual repressor of oskar translation, promoting mRNA oligomerization and formation of silencing particles. *Cell*, **2006**, 124, 521-33	56.2	171
35	The Drosophila PAR-1 spacer domain is required for lateral membrane association and for polarization of follicular epithelial cells. *Current Biology*, **2005**, 15, 255-61	6.3	35
34	Gain-of-function screen for genes that affect Drosophila muscle pattern formation. *PLoS Genetics*, **2005**, 1, e55	6	39
33	PKA-R1 spatially restricts Oskar expression for Drosophila embryonic patterning. *Development (Cambridge)*, **2004**, 131, 1401-10	6.6	15
32	Par-1 regulates bicoid mRNA localisation by phosphorylating Exuperantia. *Development (Cambridge)*, **2004**, 131, 5897-907	6.6	24
31	Splicing of oskar RNA in the nucleus is coupled to its cytoplasmic localization. *Nature*, **2004**, 428, 959-63	50.4	264
30	Drosophila development: RNA interference ab ovo. *Current Biology*, **2004**, 14, R428-30	6.3	6
29	Hrp48, a Drosophila hnRNPA/B homolog, binds and regulates translation of oskar mRNA. *Developmental Cell*, **2004**, 6, 637-48	10.2	103
28	Seeing is believing: the bicoid morphogen gradient matures. *Cell*, **2004**, 116, 143-52	56.2	145
27	Orb and a long poly(A) tail are required for efficient oskar translation at the posterior pole of the Drosophila oocyte. *Development (Cambridge)*, **2003**, 130, 835-43	6.6	88
26	Bruno regulates gurken during Drosophila oogenesis. *Mechanisms of Development*, **2003**, 120, 289-97	1.7	60
25	Drosophila Perilipin/ADRP homologue Lsd2 regulates lipid metabolism. *Mechanisms of Development*, **2003**, 120, 1071-81	1.7	114
24	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, 1524-8	6.3	50
23	Par-1 regulates stability of the posterior determinant Oskar by phosphorylation. *Nature Cell Biology* , **2002**, 4, 337-42	23.4	62

22	A germline-specific gap junction protein required for survival of differentiating early germ cells. *Development (Cambridge)*, **2002**, 129, 2529-2539	6.6	134
21	Oskar anchoring restricts pole plasm formation to the posterior of the Drosophila oocyte. *Development (Cambridge)*, **2002**, 129, 3705-3714	6.6	109
20	Oskar anchoring restricts pole plasm formation to the posterior of the Drosophila oocyte. *Development (Cambridge)*, **2002**, 129, 3705-14	6.6	60
19	Drosophila Y14 shuttles to the posterior of the oocyte and is required for oskar mRNA transport. *Current Biology*, **2001**, 11, 1666-74	6.3	190
18	Axis formation during Drosophila oogenesis. *Current Opinion in Genetics and Development*, **2001**, 11, 374-83	4.9	218
17	A Drosophila melanogaster homologue of Caenorhabditis elegans par-1 acts at an early step in embryonic-axis formation. *Nature Cell Biology*, **2000**, 2, 458-60	23.4	139
16	Tribbles coordinates mitosis and morphogenesis in Drosophila by regulating string/CDC25 proteolysis. *Cell*, **2000**, 101, 511-22	56.2	304
15	Relief of gene repression by Torso RTK signaling: role of capicua in Drosophila terminal and dorsoventral patterning. *Genes and Development*, **2000**, 14, 224-231	12.6	151
14	The nuclear receptor homologue Ftz-F1 and the homeodomain protein Ftz are mutually dependent cofactors. *Nature*, **1997**, 385, 548-52	50.4	163
13	Cytoplasmic flows localize injected oskar RNA in Drosophila oocytes. *Current Biology*, **1997**, 7, 326-37	6.3	145
12	mRNA localization and the cytoskeleton. *Seminars in Cell and Developmental Biology*, **1996**, 7, 357-365	7.5	25
11	Requirement for Drosophila cytoplasmic tropomyosin in oskar mRNA localization. *Nature*, **1995**, 377, 524-7	50.4	187
10	Germ plasm formation and germ cell determination in Drosophila. *Novartis Foundation Symposium*, **1994**, 182, 282-96; discussion 296-300		12
9	Induction of germ cell formation by oskar. *Nature*, **1992**, 358, 387-92	50.4	525
8	Oskar organizes the germ plasm and directs localization of the posterior determinant nanos. *Cell*, **1991**, 66, 37-50	56.2	689
7	Cell-type-specific contacts to immunoglobulin enhancers in nuclei. *Nature*, **1985**, 313, 798-801	50.4	336
6	An RNA-binding tropomyosin recruits kinesin-1 dynamically to oskar mRNPs		1
5	Enzymatic production of single molecule FISH and RNA capture probes		1

List of Publications

4	Liquid-to-solid phase transition ofoskarRNP granules is essential for their function in theDrosophilagermline	1
3	Fluorescence-based 3D targeting of FIB-SEM acquisition of small volumes in large samples	2
2	Validation and classification of RNA binding proteins identified by mRNA interactome capture	1
1	Subcellular spatial transcriptomics identifies three mechanistically different classes of localizing RNAs	1