

Anne Ephrussi

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	mRNA localization: gene expression in the spatial dimension. <i>Cell</i> , 2009 , 136, 719-30	56.2	743
92	Oskar organizes the germ plasm and directs localization of the posterior determinant nanos. <i>Cell</i> , 1991 , 66, 37-50	56.2	689
91	Induction of germ cell formation by oskar. <i>Nature</i> , 1992 , 358, 387-92	50.4	525
90	Cell-type-specific contacts to immunoglobulin enhancers in nuclei. <i>Nature</i> , 1985 , 313, 798-801	50.4	336
89	Tribbles coordinates mitosis and morphogenesis in Drosophila by regulating string/CDC25 proteolysis. <i>Cell</i> , 2000 , 101, 511-22	56.2	304
88	Splicing of oskar RNA in the nucleus is coupled to its cytoplasmic localization. <i>Nature</i> , 2004 , 428, 959-63	50.4	264
87	Translational control of localized mRNAs: restricting protein synthesis in space and time. <i>Nature Reviews Molecular Cell Biology</i> , 2008 , 9, 971-80	48.7	262
86	Considerations when investigating lncRNA function in vivo. <i>ELife</i> , 2014 , 3, e03058	8.9	252
85	Axis formation during Drosophila oogenesis. <i>Current Opinion in Genetics and Development</i> , 2001 , 11, 374-83	8.3	218
84	Drosophila Y14 shuttles to the posterior of the oocyte and is required for oskar mRNA transport. <i>Current Biology</i> , 2001 , 11, 1666-74	6.3	190
83	Requirement for Drosophila cytoplasmic tropomyosin in oskar mRNA localization. <i>Nature</i> , 1995 , 377, 524-7	50.4	187
82	Translation. An RNA biosensor for imaging the first round of translation from single cells to living animals. <i>Science</i> , 2015 , 347, 1367-671	33.3	182
81	Bruno acts as a dual repressor of oskar translation, promoting mRNA oligomerization and formation of silencing particles. <i>Cell</i> , 2006 , 124, 521-33	56.2	171
80	The nuclear receptor homologue Ftz-F1 and the homeodomain protein Ftz are mutually dependent cofactors. <i>Nature</i> , 1997 , 385, 548-52	50.4	163
79	Relief of gene repression by Torso RTK signaling: role of capicua in Drosophila terminal and dorsoventral patterning. <i>Genes and Development</i> , 2000 , 14, 224-231	12.6	151
78	RNA clamping by Vasa assembles a piRNA amplifier complex on transposon transcripts. <i>Cell</i> , 2014 , 157, 1698-711	56.2	149
77	Cytoplasmic flows localize injected oskar RNA in Drosophila oocytes. <i>Current Biology</i> , 1997 , 7, 326-37	6.3	145

76	Seeing is believing: the bicoid morphogen gradient matures. <i>Cell</i> , 2004 , 116, 143-52	56.2	145
75	A <i>Drosophila melanogaster</i> homologue of <i>Caenorhabditis elegans</i> par-1 acts at an early step in embryonic-axis formation. <i>Nature Cell Biology</i> , 2000 , 2, 458-60	23.4	139
74	A germline-specific gap junction protein required for survival of differentiating early germ cells. <i>Development (Cambridge)</i> , 2002 , 129, 2529-2539	6.6	134
73	A translation-independent role of oskar RNA in early <i>Drosophila</i> oogenesis. <i>Development (Cambridge)</i> , 2006 , 133, 2827-33	6.6	126
72	<i>Drosophila</i> Perilipin/ADRP homologue Lsd2 regulates lipid metabolism. <i>Mechanisms of Development</i> , 2003 , 120, 1071-81	1.7	114
71	Oskar anchoring restricts pole plasm formation to the posterior of the <i>Drosophila</i> oocyte. <i>Development (Cambridge)</i> , 2002 , 129, 3705-3714	6.6	109
70	Hrp48, a <i>Drosophila</i> hnRNPA/B homolog, binds and regulates translation of oskar mRNA. <i>Developmental Cell</i> , 2004 , 6, 637-48	10.2	103
69	<i>Drosophila</i> PTB promotes formation of high-order RNP particles and represses oskar translation. <i>Genes and Development</i> , 2009 , 23, 195-207	12.6	93
68	Brightness enhanced DNA FIT-probes for wash-free RNA imaging in tissue. <i>Journal of the American Chemical Society</i> , 2013 , 135, 19025-32	16.4	90
67	Global changes of the RNA-bound proteome during the maternal-to-zygotic transition in <i>Drosophila</i> . <i>Nature Communications</i> , 2016 , 7, 12128	17.4	90
66	Orb and a long poly(A) tail are required for efficient oskar translation at the posterior pole of the <i>Drosophila</i> oocyte. <i>Development (Cambridge)</i> , 2003 , 130, 835-43	6.6	88
65	Control of RNP motility and localization by a splicing-dependent structure in oskar mRNA. <i>Nature Structural and Molecular Biology</i> , 2012 , 19, 441-9	17.6	85
64	Myosin-V regulates oskar mRNA localization in the <i>Drosophila</i> oocyte. <i>Current Biology</i> , 2009 , 19, 1058-63	6.3	76
63	Stimulation of endocytosis and actin dynamics by Oskar polarizes the <i>Drosophila</i> oocyte. <i>Developmental Cell</i> , 2007 , 12, 543-55	10.2	72
62	<i>Drosophila</i> ensconsin promotes productive recruitment of Kinesin-1 to microtubules. <i>Developmental Cell</i> , 2008 , 15, 866-76	10.2	71
61	Arginine methyltransferase Capsuleen is essential for methylation of spliceosomal Sm proteins and germ cell formation in <i>Drosophila</i> . <i>Development (Cambridge)</i> , 2007 , 134, 137-46	6.6	70
60	Enzymatic production of single-molecule FISH and RNA capture probes. <i>Rna</i> , 2017 , 23, 1582-1591	5.8	69
59	Dimerization of oskar 3SUTRs promotes hitchhiking for RNA localization in the <i>Drosophila</i> oocyte. <i>Rna</i> , 2011 , 17, 2049-57	5.8	63

58	Par-1 regulates stability of the posterior determinant Oskar by phosphorylation. <i>Nature Cell Biology</i> , 2002 , 4, 337-42	23.4	62
57	Bruno regulates gurken during <i>Drosophila</i> oogenesis. <i>Mechanisms of Development</i> , 2003 , 120, 289-97	1.7	60
56	Oskar anchoring restricts pole plasm formation to the posterior of the <i>Drosophila</i> oocyte. <i>Development (Cambridge)</i> , 2002 , 129, 3705-14	6.6	60
55	The Crystal Structure of the <i>Drosophila</i> Germline Inducer Oskar Identifies Two Domains with Distinct Vasa Helicase- and RNA-Binding Activities. <i>Cell Reports</i> , 2015 , 12, 587-98	10.6	57
54	Rab6 mediates membrane organization and determinant localization during <i>Drosophila</i> oogenesis. <i>Development (Cambridge)</i> , 2007 , 134, 1419-30	6.6	57
53	Aster migration determines the length scale of nuclear separation in the <i>Drosophila</i> syncytial embryo. <i>Journal of Cell Biology</i> , 2012 , 197, 887-95	7.3	54
52	Brightness through local constraint--LNA-enhanced FIT hybridization probes for in vivo ribonucleotide particle tracking. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 11370-5	16.4	50
51	The fusome and microtubules enrich Par-1 in the oocyte, where it effects polarization in conjunction with Par-3, BicD, Egl, and dynein. <i>Current Biology</i> , 2002 , 12, 1524-8	6.3	50
50	Imp promotes axonal remodeling by regulating profilin mRNA during brain development. <i>Current Biology</i> , 2014 , 24, 793-800	6.3	47
49	A stem-loop structure directs oskar mRNA to microtubule minus ends. <i>Rna</i> , 2014 , 20, 429-39	5.8	44
48	The LOTUS domain is a conserved DEAD-box RNA helicase regulator essential for the recruitment of Vasa to the germ plasm and nuage. <i>Genes and Development</i> , 2017 , 31, 939-952	12.6	42
47	LNA-enhanced DNA FIT-probes for multicolour RNA imaging. <i>Chemical Science</i> , 2016 , 7, 128-135	9.4	42
46	Strength in numbers: quantitative single-molecule RNA detection assays. <i>Wiley Interdisciplinary Reviews: Developmental Biology</i> , 2015 , 4, 135-50	5.9	42
45	The Ig cell adhesion molecule Basigin controls compartmentalization and vesicle release at <i>Drosophila melanogaster</i> synapses. <i>Journal of Cell Biology</i> , 2007 , 177, 843-55	7.3	41
44	Nuclear Pores Assemble from Nucleoporin Condensates During Oogenesis. <i>Cell</i> , 2019 , 179, 671-686.e17	56.2	40
43	Gain-of-function screen for genes that affect <i>Drosophila</i> muscle pattern formation. <i>PLoS Genetics</i> , 2005 , 1, e55	6	39
42	An RNA-binding atypical tropomyosin recruits kinesin-1 dynamically to oskar mRNPs. <i>EMBO Journal</i> , 2017 , 36, 319-333	13	37
41	An intracellular transmission control protocol: assembly and transport of ribonucleoprotein complexes. <i>Current Opinion in Cell Biology</i> , 2012 , 24, 202-10	9	37

40	The Drosophila PAR-1 spacer domain is required for lateral membrane association and for polarization of follicular epithelial cells. <i>Current Biology</i> , 2005 , 15, 255-61	6.3	35
39	The actin-binding protein Lasp promotes Oskar accumulation at the posterior pole of the Drosophila embryo. <i>Development (Cambridge)</i> , 2009 , 136, 95-105	6.6	33
38	CncRNAs: RNAs with both coding and non-coding roles in development. <i>Development (Cambridge)</i> , 2016 , 143, 1234-41	6.6	32
37	mRNA localization and the cytoskeleton. <i>Seminars in Cell and Developmental Biology</i> , 1996 , 7, 357-365	7.5	25
36	Par-1 regulates bicoid mRNA localisation by phosphorylating Exuperantia. <i>Development (Cambridge)</i> , 2004 , 131, 5897-907	6.6	24
35	oskar RNA plays multiple noncoding roles to support oogenesis and maintain integrity of the germline/soma distinction. <i>Rna</i> , 2015 , 21, 1096-109	5.8	23
34	Drosophila Ge-1 promotes P body formation and oskar mRNA localization. <i>PLoS ONE</i> , 2011 , 6, e20612	3.7	20
33	A Cdc42-regulated actin cytoskeleton mediates Drosophila oocyte polarization. <i>Development (Cambridge)</i> , 2013 , 140, 362-71	6.6	18
32	The EJC binding and dissociating activity of PYM is regulated in Drosophila. <i>PLoS Genetics</i> , 2014 , 10, e1004455	6.4	17
31	Live imaging of axonal transport in Drosophila pupal brain explants. <i>Nature Protocols</i> , 2015 , 10, 574-84	18.8	16
30	Klar ensures thermal robustness of oskar localization by restraining RNP motility. <i>Journal of Cell Biology</i> , 2014 , 206, 199-215	7.3	16
29	PKA-R1 spatially restricts Oskar expression for Drosophila embryonic patterning. <i>Development (Cambridge)</i> , 2004 , 131, 1401-10	6.6	15
28	The structure of the SOLE element of oskar mRNA. <i>Rna</i> , 2015 , 21, 1444-53	5.8	13
27	Germ plasm formation and germ cell determination in Drosophila. <i>Novartis Foundation Symposium</i> , 1994 , 182, 282-96; discussion 296-300		12
26	Quantitative mRNA Imaging with Dual Channel qFIT Probes to Monitor Distribution and Degree of Hybridization. <i>ACS Chemical Biology</i> , 2018 , 13, 742-749	4.9	11
25	A single Drosophila embryo extract for the study of mitosis ex vivo. <i>Nature Protocols</i> , 2013 , 8, 310-24	18.8	9
24	Transposon silencing in the female germline is essential for genome stability in progeny embryos. <i>Life Science Alliance</i> , 2018 , 1, e201800179	5.8	9
23	High-precision targeting workflow for volume electron microscopy. <i>Journal of Cell Biology</i> , 2021 , 220,	7.3	9

22	Staufen2-mediated RNA recognition and localization requires combinatorial action of multiple domains. <i>Nature Communications</i> , 2019 , 10, 1659	17.4	8
21	The Transcriptome-wide Landscape and Modalities of EJC Binding in Adult Drosophila. <i>Cell Reports</i> , 2019 , 28, 1219-1236.e11	10.6	8
20	Helligkeit durch lokale Rigidifizierung \square LNA-verstärkte FIT-Sonden zur bildgebenden Darstellung von Ribonukleotidpartikeln in vivo. <i>Angewandte Chemie</i> , 2014 , 126, 11553-11558	3.6	8
19	Terminal Deoxynucleotidyl Transferase Mediated Production of Labeled Probes for Single-molecule FISH or RNA Capture. <i>Bio-protocol</i> , 2018 , 8, e2750	0.9	8
18	Germ Cell Lineage Homeostasis in Requires the Vasa RNA Helicase. <i>Genetics</i> , 2019 , 213, 911-922	4	8
17	Assembly of endogenous oskar mRNA particles for motor-dependent transport in the Drosophila oocyte. <i>Cell</i> , 2009 , 139, 983-98	56.2	7
16	Drosophila development: RNA interference ab ovo. <i>Current Biology</i> , 2004 , 14, R428-30	6.3	6
15	Molecular basis of mRNA transport by a kinesin-1-atypical tropomyosin complex. <i>Genes and Development</i> , 2021 , 35, 976-991	12.6	6
14	Ooplasmic Extract from Developing Oocytes for Quantitative TIRF Microscopy Analysis. <i>Bio-protocol</i> , 2017 , 7,	0.9	4
13	RNA localization feeds translation. <i>Science</i> , 2017 , 357, 1235-1236	33.3	2
12	Fluorescence-based 3D targeting of FIB-SEM acquisition of small volumes in large samples		2
11	Live-Imaging of Axonal Cargoes in Drosophila Brain Explants Using Confocal Microscopy.. <i>Methods in Molecular Biology</i> , 2022 , 2417, 19-28	1.4	1
10	An RNA-binding tropomyosin recruits kinesin-1 dynamically to oskar mRNPs		1
9	Enzymatic production of single molecule FISH and RNA capture probes		1
8	Transcript specific mRNP capture from Drosophila egg-chambers for proteomic analysis. <i>Methods</i> , 2020 , 178, 83-88	4.6	1
7	Liquid-to-solid phase transition ofoskarRNP granules is essential for their function in theDrosophilagermline		1
6	Validation and classification of RNA binding proteins identified by mRNA interactome capture		1
5	Subcellular spatial transcriptomics identifies three mechanistically different classes of localizing RNAs		1

- 4 Validation and classification of RNA binding proteins identified by mRNA interactome capture. *Rna*, **2021**, 27, 1173-1185 5.8 0
- 3 oskar RNP assembly for coordinated transport and translation control. *FASEB Journal*, **2008**, 22, 406.2 0.9
- 2 In Vivo Visualization and Function Probing of Transport mRNPs Using Injected FIT Probes. *Methods in Molecular Biology*, **2018**, 1649, 273-287 1.4
- 1 High-Resolution Live Imaging of Axonal RNP Granules in Drosophila Pupal Brain Explants.. *Methods in Molecular Biology*, **2022**, 2431, 451-462 1.4