Ruth H Palmer

List of Publications by Year
in descending order

60 papers	3,169 citations	218677 26 h-index	161849 54 g-index
111 all docs	111 docs citations	111 times ranked	3521 citing authors

#	Article	IF	Citations
1	Mechanistic insight into ALK receptor tyrosine kinase in human cancer biology. Nature Reviews Cancer, 2013, 13, 685-700.	28.4	538
2	Anaplastic lymphoma kinase: signalling in development and disease. Biochemical Journal, 2009, 420, 345-361.	3.7	375
3	Jeb signals through the Alk receptor tyrosine kinase to drive visceral muscle fusion. Nature, 2003, 425, 512-516.	27.8	151
4	Characterization of the expression of the ALK receptor tyrosine kinase in mice. Gene Expression Patterns, 2006, 6, 448-461.	0.8	142
5	Anterograde Jelly belly and Alk Receptor Tyrosine Kinase Signaling Mediates Retinal Axon Targeting in Drosophila. Cell, 2007, 128, 961-975.	28.9	141
6	FAM150A and FAM150B are activating ligands for anaplastic lymphoma kinase. ELife, 2015, 4, e09811.	6.0	123
7	A crucial role for the Anaplastic lymphoma kinase receptor tyrosine kinase in gut development in Drosophila melanogaster. EMBO Reports, 2003, 4, 781-786.	4.5	104
8	Identification and characterization of DAlk: a novelDrosophila melanogasterRTK which drives ERK activationin vivo. Genes To Cells, 2001, 6, 531-544.	1.2	96
9	The Receptor Tyrosine Kinase Alk Controls Neurofibromin Functions in Drosophila Growth and Learning. PLoS Genetics, 2011, 7, e1002281.	3.5	90
10	Appearance of the Novel Activating F1174S ALK Mutation in Neuroblastoma Correlates with Aggressive Tumor Progression and Unresponsiveness to Therapy. Cancer Research, 2011, 71, 98-105.	0.9	80
11	The kinase ALK stimulates the kinase ERK5 to promote the expression of the oncogene MYCN in neuroblastoma. Science Signaling, 2014, 7, ra102.	3.6	80
12	Activating ALK mutations found in neuroblastoma are inhibited by Crizotinib and NVP-TAE684. Biochemical Journal, 2011, 440, 405-414.	3.7	77
13	Godzilla-dependent transcytosis promotes Wingless signalling in Drosophila wing imaginal discs. Nature Cell Biology, 2016, 18, 451-457.	10.3	72
14	ALKALs are in vivo ligands for ALK family receptor tyrosine kinases in the neural crest and derived cells. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E630-E638.	7.1	68
15	Cell culture andDrosophilamodel systems define three classes of anaplastic lymphoma kinase mutations in neuroblastoma. DMM Disease Models and Mechanisms, 2013, 6, 373-82.	2.4	59
16	Myoblast determination in the somatic and visceral mesoderm depends on Notch signalling as well as on milliways(mili Alk) as receptor for Jeb signalling. Development (Cambridge), 2004, 131, 743-754.	2.5	55
17	Targeting anaplastic lymphoma kinase in neuroblastoma. Apmis, 2019, 127, 288-302.	2.0	53
18	Brigatinib, an anaplastic lymphoma kinase inhibitor, abrogates activity and growth in ALK-positive neuroblastoma cells,Drosophilaand mice. Oncotarget, 2016, 7, 29011-29022.	1.8	51

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19	Clinical response of the novel activating ALK-I1171T mutation in neuroblastoma to the ALK inhibitor ceritinib. Journal of Physical Education and Sports Management, 2018, 4, a002550.	1.2	47
20	Intragenic anaplastic lymphoma kinase (ALK) rearrangements: Translocations as a novel mechanism of ALK activation in neuroblastoma tumors. Genes Chromosomes and Cancer, 2015, 54, 99-109.	2.8	45
21	Goliath family E3 ligases regulate the recycling endosome pathway via VAMP3 ubiquitylation. EMBO Journal, 2013, 32, 524-537.	7.8	43
22	MEK inhibitor trametinib does not prevent the growth of anaplastic lymphoma kinase (ALK)â€“addicted neuroblastomas. Science Signaling, 2017, 10, .	3.6	41
23	Fusion of circular and longitudinal muscles in Drosophila is independent of the endoderm but further visceral muscle differentiation requires a close contact between mesoderm and endoderm. Mechanisms of Development, 2009, 126, 721-736.	1.7	39
24	Phosphoproteome and gene expression profiling of ALK inhibition in neuroblastoma cell lines reveals conserved oncogenic pathways. Science Signaling, 2018, 11, .	3.6	36
25	Phosphoproteomic analysis of anaplastic lymphoma kinase (<scp>ALK</scp>) downstream signaling pathways identifies signal transducer and activator of transcriptionÂ3 as a functional target of activated <scp>ALK</scp> in neuroblastoma cells. FEBS Journal, 2013, 280, 5269-5282.	4.7	35
26	ALK ligand ALKAL2 potentiates MYCNâ€driven neuroblastoma in the absence of ALK mutation. EMBO Journal, 2021, 40, e105784.	7.8	35
27	The ligand Jelly Belly (Jeb) activates theDrosophilaAlk RTK to drive PC12 cell differentiation, but is unable to activate theMouseALK RTK. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2007, 308B, 269-282.	1.3	32
28	The bHLH transcription factor Hand is regulated by Alk in the Drosophila embryonic gut. Biochemical and Biophysical Research Communications, 2006, 351, 839-846.	2.1	27
29	The Neuroblastoma ALK(I1250T) Mutation Is a Kinase-Dead RTK In Vitro and In Vivo. Translational Oncology, 2011, 4, 258-IN6.	3.7	27
30	Characterization ofDrosophila Nidogen/entactinreveals roles in basement membrane stability, barrier function and nervous system patterning. Development (Cambridge), 2019, 146, .	2.5	27
31	11q Deletion or ALK Activity Curbs DLG2 Expression to Maintain an Undifferentiated State in Neuroblastoma. Cell Reports, 2020, 32, 108171.	6.4	25
32	Targeted Disruption of ALK Reveals a Potential Role in Hypogonadotropic Hypogonadism. PLoS ONE, 2015, 10, e0123542.	2.5	24
33	Alectinib, an Anaplastic Lymphoma Kinase Inhibitor, Abolishes ALK Activity and Growth in ALK-Positive Neuroblastoma Cells. Frontiers in Oncology, 2019, 9, 579.	2.8	24
34	ATR inhibition enables complete tumour regression in ALK-driven NB mouse models. Nature Communications, 2021, 12, 6813.	12.8	21
35	Tumour-associated mutations of PA-TM-RING ubiquitin ligases RNF167/RNF13 identify the PA domain as a determinant for endosomal localization. Biochemical Journal, 2014, 459, 27-36.	3.7	20
36	The Rap1 Guanine Nucleotide Exchange Factor C3G Is Required for Preservation of Larval Muscle Integrity in Drosophila melanogaster. PLoS ONE, 2010, 5, e9403.	2.5	19

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37	Analysis of ALK, MYCN, and the ALK ligand ALKAL2 (FAM150B/ALGÎ±) in neuroblastoma patient samples with chromosome arm 2p rearrangements. Genes Chromosomes and Cancer, 2020, 59, 50-57.	2.8	18
38	Novel Mechanisms of ALK Activation Revealed by Analysis of the Y1278S Neuroblastoma Mutation. Cancers, 2017, 9, 149.	3.7	17
39	Drosophila Anaplastic Lymphoma Kinase regulates Dpp signalling in the developing embryonic gut. Differentiation, 2007, 75, 418-426.	1.9	16
40	Jeb/Alk signalling regulates the Lame duck GLI family transcription factor in theDrosophilavisceral mesoderm. Development (Cambridge), 2013, 140, 3156-3166.	2.5	16
41	Anaplastic lymphoma kinase L1198F and G1201E mutations identified in anaplastic thyroid cancer patients are not ligand-independent. Oncotarget, 2017, 8, 11566-11578.	1.8	16
42	The Zic family homologue Odd-paired regulates Alk expression in Drosophila. PLoS Genetics, 2017, 13, e1006617.	3.5	15
43	In vivo Profiling of the Alk Proximitome in the Developing Drosophila Brain. Journal of Molecular Biology, 2021, 433, 167282.	4.2	15
44	Chromosome Imbalances in Neuroblastomaâ€"Recent Molecular Insight into Chromosome 1p-deletion, 2p-gain, and 11q-deletion Identifies New Friends and Foes for the Future. Cancers, 2021, 13, 5897.	3.7	13
45	The Drosophila Midkine/Pleiotrophin Homologues Miple1 and Miple2 Affect Adult Lifespan but Are Dispensable for Alk Signaling during Embryonic Gut Formation. PLoS ONE, 2014, 9, e112250.	2.5	12
46	FAK Acts as a Suppressor of RTK-MAP Kinase Signalling in Drosophila melanogaster Epithelia and Human Cancer Cells. PLoS Genetics, 2014, 10, e1004262.	3.5	12
47	The scaffolding protein Cnk binds to the receptor tyrosine kinase Alk to promote visceral founder cell specification in Drosophila. Science Signaling, 2017, 10, .	3.6	11
48	Drosophila model of myosin myopathy rescued by overexpression of a TRIM-protein family member. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E6566-E6575.	7.1	10
49	Extracellular domain shedding of the ALK receptor mediates neuroblastoma cell migration. Cell Reports, 2021, 36, 109363.	6.4	9
50	BioID-Screening Identifies PEAK1 and SHP2 as Components of the ALK Proximitome in Neuroblastoma Cells. Journal of Molecular Biology, 2021, 433, 167158.	4.2	9
51	Mapping the Phospho-dependent ALK Interactome to Identify Novel Components in ALK Signaling. Journal of Molecular Biology, 2021, 433, 167283.	4.2	9
52	The autocrine loop of ALK receptor and ALKAL2 ligand is an actionable target in consensus molecular subtype 1 colon cancer. Journal of Experimental and Clinical Cancer Research, 2022, 41, 113.	8.6	9
53	Sustained Response to Entrectinib in an Infant With a Germline ALKAL2 Variant and Refractory Metastatic Neuroblastoma With Chromosomal 2p Gain and Anaplastic Lymphoma Kinase and Tropomyosin Receptor Kinase Activation. JCO Precision Oncology, 2022, 6, e2100271.	3.0	8
54	Identification of the Wallenda JNKKK as an Alk suppressor reveals increased competitiveness of Alk-expressing cells. Scientific Reports, 2020, 10, 14954.	3.3	6

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55	Loss of RET Promotes Mesenchymal Identity in Neuroblastoma Cells. Cancers, 2021, 13, 1909.	3.7	6
56	Characterisation of the role of Vrp1 in cell fusion during the development of visceral muscle of Drosophila melanogaster. BMC Developmental Biology, 2010, 10, 86.	2.1	5
57	Neuroblastoma xenograft models demonstrate the therapeutic potential of 177Lu-octreotate. BMC Cancer, 2021, 21, 950.	2.6	4
58	DamID transcriptional profiling identifies the Snail/Scratch transcription factor Kahuli as an Alk target in the Drosophila visceral mesoderm. Development (Cambridge), 2021, 148, .	2.5	2
59	In vivo Characterization of Endogenous Protein Interactomes in Drosophila Larval Brain, Using a CRISPR/Cas9-based Strategy and BioID-based Proximity Labeling. Bio-protocol, 2022, 12, .	0.4	1
60	11q Deletion or ALK Activity Curbs DLG2 Expression to Maintain an Undifferentiated State in Neuroblastoma. SSRN Electronic Journal, 0, , .	0.4	0