Ah Buck

List of Publications by Citations

55 papers	7,124 citations	29 h-index	60 g-index
60 ext. papers	9,719 ext. citations	9.1 avg, IF	5.24 L-index

#	Paper	IF	Citations
55	Minimal information for studies of extracellular vesicles 2018 (MISEV2018): a position statement of the International Society for Extracellular Vesicles and update of the MISEV2014 guidelines. *Journal of Extracellular Vesicles*, **2018**, 7, 1535750	16.4	3642
54	Exosomes secreted by nematode parasites transfer small RNAs to mammalian cells and modulate innate immunity. *Nature Communications*, **2014**, 5, 5488	17.4	455
53	Obstacles and opportunities in the functional analysis of extracellular vesicle RNA - an ISEV position paper. *Journal of Extracellular Vesicles*, **2017**, 6, 1286095	16.4	410
52	The evolution of RNAi as a defence against viruses and transposable elements. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2009**, 364, 99-115	5.8	342
51	The Discovery, Distribution, and Evolution of Viruses Associated with Drosophila melanogaster. *PLoS Biology*, **2015**, 13, e1002210	9.7	190
50	Exosomes and Other Extracellular Vesicles: The New Communicators in Parasite Infections. *Trends in Parasitology*, **2015**, 31, 477-489	6.4	187
49	Induction of IL-4R□dependent microRNAs identifies PI3K/Akt signaling as essential for IL-4-driven murine macrophage proliferation in vivo. *Blood*, **2012**, 120, 2307-16	2.2	131
48	Extracellular Vesicles from a Helminth Parasite Suppress Macrophage Activation and Constitute an Effective Vaccine for Protective Immunity. *Cell Reports*, **2017**, 19, 1545-1557	10.6	116
47	Post-transcriptional regulation of miR-27 in murine cytomegalovirus infection. *Rna*, **2010**, 16, 307-15	5.8	116
46	Parasite-derived microRNAs in host serum as novel biomarkers of helminth infection. *PLoS Neglected Tropical Diseases*, **2014**, 8, e2701	4.8	105
45	Protein and small non-coding RNA-enriched extracellular vesicles are released by the pathogenic blood fluke Schistosoma mansoni. *Journal of Extracellular Vesicles*, **2015**, 4, 28665	16.4	101
44	Murine cytomegalovirus encodes a miR-27 inhibitor disguised as a target. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 279-84	11.5	100
43	Combined agonist-antagonist genome-wide functional screening identifies broadly active antiviral microRNAs. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 13830-5	11.5	85
42	Small RNA Profiling in Dengue Virus 2-Infected Aedes Mosquito Cells Reveals Viral piRNAs and Novel Host miRNAs. *PLoS Neglected Tropical Diseases*, **2016**, 10, e0004452	4.8	82
41	Protein activation of a ribozyme: the role of bacterial RNase P protein. *EMBO Journal*, **2005**, 24, 3360-8	13	81
40	Extracellular Onchocerca-derived small RNAs in host nodules and blood. *Parasites and Vectors*, **2015**, 8, 58	4	79
39	Discrete clusters of virus-encoded micrornas are associated with complementary strands of the genome and the 7.2-kilobase stable intron in murine cytomegalovirus. *Journal of Virology*, **2007**, 81, 13761-70	6.6	76

38	Structural perspective on the activation of RNAse P RNA by protein. *Nature Structural and Molecular Biology*, **2005**, 12, 958-64	17.6	67
37	Host parasite communications-Messages from helminths for the immune system: Parasite communication and cell-cell interactions. *Molecular and Biochemical Parasitology*, **2016**, 208, 33-40	1.9	66
36	Extracellular small RNAs: what, where, why?. *Biochemical Society Transactions*, **2012**, 40, 886-90	5.1	63
35	Regulation of microRNA biogenesis and turnover by animals and their viruses. *Cellular and Molecular Life Sciences*, **2013**, 70, 3525-44	10.3	59
34	Small RNAs and extracellular vesicles: New mechanisms of cross-species communication and innovative tools for disease control. *PLoS Pathogens*, **2019**, 15, e1008090	7.6	58
33	Plasmalogen enrichment in exosomes secreted by a nematode parasite versus those derived from its mouse host: implications for exosome stability and biology. *Journal of Extracellular Vesicles*, **2016**, 5, 30741	16.4	52
32	Host gene targets for novel influenza therapies elucidated by high-throughput RNA interference screens. *FASEB Journal*, **2012**, 26, 1372-86	0.9	44
31	Functional diversification of Argonautes in nematodes: an expanding universe. *Biochemical Society Transactions*, **2013**, 41, 881-6	5.1	38
30	Broad-Spectrum Inhibition of Respiratory Virus Infection by MicroRNA Mimics Targeting p38 MAPK Signaling. *Molecular Therapy - Nucleic Acids*, **2017**, 7, 256-266	10.7	36
29	Immune stimuli shape the small non-coding transcriptome of extracellular vesicles released by dendritic cells. *Cellular and Molecular Life Sciences*, **2018**, 75, 3857-3875	10.3	35
28	Secretion of an Argonaute protein by a parasitic nematode and the evolution of its siRNA guides. *Nucleic Acids Research*, **2019**, 47, 3594-3606	20.1	34
27	A preliminary proteomic characterisation of extracellular vesicles released by the ovine parasitic nematode, Teladorsagia circumcincta. *Veterinary Parasitology*, **2016**, 221, 84-92	2.8	33
26	RNA-mediated degradation of microRNAs: A widespread viral strategy?. *RNA Biology*, **2015**, 12, 579-85	4.8	27
25	Production and Application of Stable Isotope-Labeled Internal Standards for RNA Modification Analysis. *Genes*, **2019**, 10,	4.2	23
24	DNA nanoswitch as a biosensor. *Analytical Chemistry*, **2007**, 79, 4724-8	7.8	20
23	MicroRNA-146a controls functional plasticity in □T cells by targeting NOD1. *Science Immunology*, **2018**, 3,	28	16
22	RNA-mediated communication between helminths and their hosts: The missing links. *RNA Biology*, **2017**, 14, 436-441	4.8	13
21	Small RNAs and extracellular vesicles in filarial nematodes: From nematode development to diagnostics. *Parasite Immunology*, **2017**, 39, e12395	2.2	13

20	Highlights of the mini-symposium on extracellular vesicles in inter-organismal communication, held in Munich, Germany, August 2018. *Journal of Extracellular Vesicles*, **2019**, 8, 1590116	16.4	12
19	Daphnia magna microRNAs respond to nutritional stress and ageing but are not transgenerational. *Molecular Ecology*, **2018**, 27, 1402-1412	5.7	12
18	Electrochemical control of a DNA Holliday Junction nanoswitch by Mg2+ ions. *Biosensors and Bioelectronics*, **2008**, 24, 422-8	11.8	12
17	Comparative analysis of small RNAs released by the filarial nematode Litomosoides sigmodontis in vitro and in vivo. *PLoS Neglected Tropical Diseases*, **2019**, 13, e0007811	4.8	12
16	Development of caecaloids to study host-pathogen interactions: new insights into immunoregulatory functions of Trichuris muris extracellular vesicles in the caecum. *International Journal for Parasitology*, **2020**, 50, 707-718	4.3	11
15	Extracellular RNA in viral-host interactions: Thinking outside the cell. *Wiley Interdisciplinary Reviews RNA*, **2019**, 10, e1535	9.3	10
14	Intracellular redox potential is correlated with miRNA expression in MCF7 cells under hypoxic conditions. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 19753-19759	11.5	9
13	The stability and characteristics of a DNA Holliday junction switch. *Biophysical Chemistry*, **2006**, 124, 214-21	3.3	9
12	Improved silicon nitride surfaces for next-generation microarrays. *Langmuir*, **2006**, 22, 11400-4	4	9
11	Extracellular vesicles from Heligmosomoides bakeri and Trichuris muris contain distinct microRNA families and small RNAs that could underpin different functions in the host. *International Journal for Parasitology*, **2020**, 50, 719-729	4.3	9
10	Whole blood profiling of T-cell derived miRNA allows the development of prognostic models in inflammatory bowel disease. *Journal of Crohn's and Colitis*, **2020**,	1.5	5
9	Disentangling sRNA-Seq data to study RNA communication between species. *Nucleic Acids Research* , **2020**, 48, e21	20.1	5
8	Quantitative Analysis of MicroRNAs in Vaccinia virus Infection Reveals Diversity in Their Susceptibility to Modification and Suppression. *PLoS ONE*, **2015**, 10, e0131787	3.7	4
7	A DNA nanoswitch incorporating the fluorescent base analogue 2-aminopurine detects single nucleotide mismatches in unlabelled targets. *Analyst, The*, **2009**, 134, 1873-9	5	3
6	Secretion of an Argonaute protein by a parasitic nematode and the evolution of its siRNA guides		2
5	Development of caecaloids to study host-pathogen interactions: new insights into immunoregulatory functions ofTrichuris murisextracellular vesicles in the caecum		1
4	Disentangling sRNA-Seq data to study RNA communication between species		1
3	Extracellular RNA moves from the glomerulus to the renal tubule		1

2	Cells choose their words wisely.. *Cell*, **2022**, 185, 1114-1116	56.2	0
1	Microfluidic system for near-patient extraction and detection of miR-122 microRNA biomarker for drug-induced liver injury diagnostics.. *Biomicrofluidics*, **2022**, 16, 024108	3.2	0