Ah Buck

List of Publications by Year
in descending order

55 papers	11,778 citations	159358 30 h-index	161609 54 g-index
60 all docs	60 docs citations	60 times ranked	17850 citing authors

#	Article	IF	Citations
1	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.	5.5	6,961
2	Exosomes secreted by nematode parasites transfer small RNAs to mammalian cells and modulate innate immunity. Nature Communications, 2014, 5, 5488.	5.8	640
3	Obstacles and opportunities in the functional analysis of extracellular vesicle RNA â€“ an ISEV position paper. Journal of Extracellular Vesicles, 2017, 6, 1286095.	5.5	561
4	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.	1.8	423
5	Exosomes and Other Extracellular Vesicles: The New Communicators in Parasite Infections. Trends in Parasitology, 2015, 31, 477-489.	1.5	307
6	The Discovery, Distribution, and Evolution of Viruses Associated with Drosophila melanogaster. PLoS Biology, 2015, 13, e1002210.	2.6	272
7	Extracellular Vesicles from a Helminth Parasite Suppress Macrophage Activation and Constitute an Effective Vaccine for Protective Immunity. Cell Reports, 2017, 19, 1545-1557.	2.9	197
8	Induction of IL-4RÎ±â€“dependent microRNAs identifies PI3K/Akt signaling as essential for IL-4â€“driven murine macrophage proliferation in vivo. Blood, 2012, 120, 2307-2316.	0.6	162
9	Parasite-Derived MicroRNAs in Host Serum As Novel Biomarkers of Helminth Infection. PLoS Neglected Tropical Diseases, 2014, 8, e2701.	1.3	143
10	Protein and small nonâ€•coding RNAâ€•enriched extracellular vesicles are released by the pathogenic blood fluke <i>Schistosoma mansoni</i>. Journal of Extracellular Vesicles, 2015, 4, 28665.	5.5	140
11	Post-transcriptional regulation of miR-27 in murine cytomegalovirus infection. Rna, 2010, 16, 307-315.	1.6	134
12	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, 279-284.	3.3	129
13	Small RNAs and extracellular vesicles: New mechanisms of cross-species communication and innovative tools for disease control. PLoS Pathogens, 2019, 15, e1008090.	2.1	114
14	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.	1.3	113
15	Host parasite communicationsâ€”Messages from helminths for the immune system. Molecular and Biochemical Parasitology, 2016, 208, 33-40.	0.5	104
16	Extracellular Onchocerca-derived small RNAs in host nodules and blood. Parasites and Vectors, 2015, 8, 58.	1.0	98
17	Combined agonistâ€“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, 13830-13835.	3.3	96
18	Protein activation of a ribozyme: the role of bacterial RNase P protein. EMBO Journal, 2005, 24, 3360-3368.	3.5	86

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19	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, 13761-13770.	1.5	81
20	Extracellular small RNAs: what, where, why?. Biochemical Society Transactions, 2012, 40, 886-890.	1.6	77
21	Regulation of microRNA biogenesis and turnover by animals and their viruses. Cellular and Molecular Life Sciences, 2013, 70, 3525-3544.	2.4	76
22	Secretion of an Argonaute protein by a parasitic nematode and the evolution of its siRNA guides. Nucleic Acids Research, 2019, 47, 3594-3606.	6.5	75
23	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.	5.5	74
24	Structural perspective on the activation of RNase P RNA by protein. Nature Structural and Molecular Biology, 2005, 12, 958-964.	3.6	73
25	Immune stimuli shape the small non-coding transcriptome of extracellular vesicles released by dendritic cells. Cellular and Molecular Life Sciences, 2018, 75, 3857-3875.	2.4	57
26	Broad-Spectrum Inhibition of Respiratory Virus Infection by MicroRNA Mimics Targeting p38 MAPK Signaling. Molecular Therapy - Nucleic Acids, 2017, 7, 256-266.	2.3	56
27	A preliminary proteomic characterisation of extracellular vesicles released by the ovine parasitic nematode, Teladorsagia circumcincta. Veterinary Parasitology, 2016, 221, 84-92.	0.7	53
28	Host gene targets for novel influenza therapies elucidated by highâ€throughput RNA interference screens. FASEB Journal, 2012, 26, 1372-1386.	0.2	52
29	Functional diversification of Argonautes in nematodes: an expanding universe. Biochemical Society Transactions, 2013, 41, 881-886.	1.6	47
30	Production and Application of Stable Isotope-Labeled Internal Standards for RNA Modification Analysis. Genes, 2019, 10, 26.	1.0	38
31	RNA-mediated degradation of microRNAs: A widespread viral strategy?. RNA Biology, 2015, 12, 579-585.	1.5	30
32	RNA-mediated communication between helminths and their hosts: The missing links. RNA Biology, 2017, 14, 436-441.	1.5	27
33	MicroRNA-146a controls functional plasticity in Î³Î´ T cells by targeting NOD1. Science Immunology, 2018, 3, .	5.6	24
34	Small <scp>RNA</scp>s and extracellular vesicles in filarial nematodes: From nematode development to diagnostics. Parasite Immunology, 2017, 39, e12395.	0.7	23
35	Development of caecaloids to study hostâ€"pathogen interactions: new insights into immunoregulatory functions of Trichuris muris extracellular vesicles in the caecum. International Journal for Parasitology, 2020, 50, 707-718.	1.3	23
36	DNA Nanoswitch as a Biosensor. Analytical Chemistry, 2007, 79, 4724-4728.	3.2	22

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37	<i>Daphnia magna</i> micro<scp>RNA</scp>s respond to nutritional stress and ageing but are not transgenerational. Molecular Ecology, 2018, 27, 1402-1412.	2.0	21
38	Comparative analysis of small RNAs released by the filarial nematode Litomosoides sigmodontis in vitro and in vivo. PLoS Neglected Tropical Diseases, 2019, 13, e0007811.	1.3	19
39	Highlights of the miniâ€symposium on extracellular vesicles in interâ€organismal communication, held in Munich, Germany, August 2018. Journal of Extracellular Vesicles, 2019, 8, 1590116.	5.5	16
40	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.	1.3	16
41	Whole Blood Profiling of T-cell-Derived microRNA Allows the Development of Prognostic models in Inflammatory Bowel Disease. Journal of Crohn's and Colitis, 2020, 14, 1724-1733.	0.6	16
42	Electrochemical control of a DNA Holliday Junction nanoswitch by Mg2+ ions. Biosensors and Bioelectronics, 2008, 24, 422-428.	5.3	14
43	Extracellular RNA in viralâ€“host interactions: Thinking outside the cell. Wiley Interdisciplinary Reviews RNA, 2019, 10, e1535.	3.2	12
44	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.	3.3	11
45	Improved Silicon Nitride Surfaces for Next-Generation Microarrays. Langmuir, 2006, 22, 11400-11404.	1.6	9
46	The stability and characteristics of a DNA Holliday junction switch. Biophysical Chemistry, 2006, 124, 214-221.	1.5	9
47	Disentangling sRNA-Seq data to study RNA communication between species. Nucleic Acids Research, 2020, 48, e21-e21.	6.5	8
48	Quantitative Analysis of MicroRNAs in Vaccinia virus Infection Reveals Diversity in Their Susceptibility to Modification and Suppression. PLoS ONE, 2015, 10, e0131787.	1.1	6
49	Microfluidic system for near-patient extraction and detection of miR-122 microRNA biomarker for drug-induced liver injury diagnostics. Biomicrofluidics, 2022, 16, 024108.	1.2	6
50	Helminth extracellular vesicles: great balls of wonder. International Journal for Parasitology, 2020, 50, 621-622.	1.3	5
51	Cells choose their words wisely. Cell, 2022, 185, 1114-1116.	13.5	4
52	Extracellular vesicles from malariaâ€infected red blood cells: not all are secreted equal. EMBO Reports, 2022, 23, .	2.0	4
53	A DNA nanoswitch incorporating the fluorescent base analogue 2-aminopurine detects single nucleotide mismatches in unlabelled targets. Analyst, The, 2009, 134, 1873.	1.7	3
54	MicroRNAs and extracellular vesicles in the gut: new host modulators of the microbiome?. MicroLife, 2021, 2, .	1.0	3

#	ARTICLE	IF	CITATIONS
55	O14â€...Whole blood profiling of T-cell derived miRNA allows the development of prognostic models in IBD. , 2021, , .		0