

Stuart A Wilson

List of Publications by Year in descending order

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54
papers

4,568
citations

117625

34
h-index

168389

53
g-index

57
all docs

57
docs citations

57
times ranked

8492
citing authors

#	ARTICLE	IF	CITATIONS
1	A genetic variation map for chicken with 2.8 million single-nucleotide polymorphisms. <i>Nature</i> , 2004, 432, 717-722.	27.8	391
2	A Simple Method for Improving Protein Solubility and Long-Term Stability. <i>Journal of the American Chemical Society</i> , 2004, 126, 8933-8939.	13.7	382
3	A Comprehensive Collection of Chicken cDNAs. <i>Current Biology</i> , 2002, 12, 1965-1969.	3.9	305
4	Sequestration of multiple RNA recognition motif-containing proteins by C9orf72 repeat expansions. <i>Brain</i> , 2014, 137, 2040-2051.	7.6	253
5	A robust system for RNA interference in the chicken using a modified microRNA operon. <i>Developmental Biology</i> , 2006, 294, 554-563.	2.0	192
6	Epithelial Membrane Proteins Induce Membrane Blebbing and Interact with the P2X7 Receptor C Terminus. <i>Journal of Biological Chemistry</i> , 2002, 277, 34017-34023.	3.4	165
7	The role of TREX in gene expression and disease. <i>Biochemical Journal</i> , 2016, 473, 2911-2935.	3.7	165
8	Mutually exclusive interactions drive handover of mRNA from export adaptors to TAP. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 5154-5159.	7.1	158
9	The chicken as a model for large-scale analysis of vertebrate gene function. <i>Nature Reviews Genetics</i> , 2003, 4, 87-98.	16.3	154
10	ATP is required for interactions between UAP56 and two conserved mRNA export proteins, Aly and CIP29, to assemble the TREX complex. <i>Genes and Development</i> , 2010, 24, 2043-2053.	5.9	149
11	TREX exposes the RNA-binding domain of Nxf1 to enable mRNA export. <i>Nature Communications</i> , 2012, 3, 1006.	12.8	149
12	Molecular basis of RNA recognition and TAP binding by the SR proteins SRp20 and 9G8. <i>EMBO Journal</i> , 2006, 25, 5126-5137.	7.8	140
13	Regional Morphogenesis in the Hypothalamus: A BMP-Tbx2 Pathway Coordinates Fate and Proliferation through Shh Downregulation. <i>Developmental Cell</i> , 2006, 11, 873-885.	7.0	129
14	UIF, a New mRNA Export Adaptor that Works Together with REF/ALY, Requires FACT for Recruitment to mRNA. <i>Current Biology</i> , 2009, 19, 1918-1924.	3.9	120
15	Drosha regulates neurogenesis by controlling Neurogenin 2 expression independent of microRNAs. <i>Nature Neuroscience</i> , 2012, 15, 962-969.	14.8	117
16	A <i>Burkholderia pseudomallei</i> Toxin Inhibits Helicase Activity of Translation Factor eIF4A. <i>Science</i> , 2011, 334, 821-824.	12.6	107
17	The Tudor SND1 protein is an m6A RNA reader essential for replication of Kaposi's sarcoma-associated herpesvirus. <i>ELife</i> , 2019, 8, .	6.0	107
18	The integrity of a lamin-B1-dependent nucleoskeleton is a fundamental determinant of RNA synthesis in human cells. <i>Journal of Cell Science</i> , 2008, 121, 1014-1024.	2.0	100

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19	Chtop is a component of the dynamic TREX mRNA export complex. <i>EMBO Journal</i> , 2013, 32, 473-486.	7.8	95
20	The m6A-methylase complex recruits TREX and regulates mRNA export. <i>Scientific Reports</i> , 2018, 8, 13827.	3.3	89
21	Robo2-Slit1 dependent cell-cell interactions mediate assembly of the trigeminal ganglion. <i>Nature Neuroscience</i> , 2008, 11, 269-276.	14.8	87
22	Transcriptome analysis for the chicken based on 19,626 finished cDNA sequences and 485,337 expressed sequence tags. <i>Genome Research</i> , 2005, 15, 174-183.	5.5	79
23	Co-transcriptional Loading of RNA Export Factors Shapes the Human Transcriptome. <i>Molecular Cell</i> , 2019, 75, 310-323.e8.	9.7	75
24	The prototype β -2 herpesvirus nucleocytoplasmic shuttling protein, ORF 57, transports viral RNA through the cellular mRNA export pathway. <i>Biochemical Journal</i> , 2005, 387, 295-308.	3.7	69
25	Structural and functional analysis of RNA and TAP binding to SF2/ASF. <i>EMBO Reports</i> , 2007, 8, 756-762.	4.5	69
26	Arginine methylation of REF/ALY promotes efficient handover of mRNA to TAP/NXF1. <i>Nucleic Acids Research</i> , 2010, 38, 3351-3361.	14.5	61
27	Luzp4 defines a new mRNA export pathway in cancer cells. <i>Nucleic Acids Research</i> , 2015, 43, 2353-2366.	14.5	56
28	TRIP: a novel double stranded RNA binding protein which interacts with the leucine rich repeat of flightless I. <i>Nucleic Acids Research</i> , 1998, 26, 3460-3467.	14.5	48
29	The solution structure of REF2-I reveals interdomain interactions and regions involved in binding mRNA export factors and RNA. <i>Rna</i> , 2006, 12, 1933-1948.	3.5	44
30	An Interaction between KSHV ORF57 and UIF Provides mRNA-Adaptor Redundancy in Herpesvirus Intronless mRNA Export. <i>PLoS Pathogens</i> , 2011, 7, e1002138.	4.7	44
31	Fatj acts via the Hippo mediator Yap1 to restrict the size of neural progenitor cell pools. <i>Development (Cambridge)</i> , 2011, 138, 1893-1902.	2.5	43
32	Structural Basis for the Recognition of Cellular mRNA Export Factor REF by Herpes Viral Proteins HSV-1 ICP27 and HVS ORF57. <i>PLoS Pathogens</i> , 2011, 7, e1001244.	4.7	41
33	Arginine methylation and citrullination of splicing factor proline- and glutamine-rich (SFPQ/PSF) regulates its association with mRNA. <i>Rna</i> , 2015, 21, 347-359.	3.5	40
34	The m6A-methylase complex and mRNA export. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2019, 1862, 319-328.	1.9	40
35	Analysis of arginine and lysine methylation utilizing peptide separations at neutral pH and electron transfer dissociation mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2010, 21, 88-96.	2.8	39
36	Structure and function of mRNA export adaptors. <i>Biochemical Society Transactions</i> , 2010, 38, 232-236.	3.4	33

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37	Identification of Two New Genes in the <i>Pseudomonasaeruginosa</i> Amidase Operon, Encoding an ATPase (AmiB) and a Putative Integral Membrane Protein (AmiS). <i>Journal of Biological Chemistry</i> , 1995, 270, 18818-18824.	3.4	26
38	Cloning and characterization of hIF2, a human homologue of bacterial translation initiation factor 2, and its interaction with HIV-1 matrix. <i>Biochemical Journal</i> , 1999, 342, 97-103.	3.7	25
39	Competitive and Cooperative Interactions Mediate RNA Transfer from Herpesvirus Saimiri ORF57 to the Mammalian Export Adaptor ALYREF. <i>PLoS Pathogens</i> , 2014, 10, e1003907.	4.7	23
40	The structure and selectivity of the SR protein SRSF2 RRM domain with RNA. <i>Nucleic Acids Research</i> , 2012, 40, 3232-3244.	14.5	22
41	A direct comparison of strategies for combinatorial RNA interference. <i>BMC Molecular Biology</i> , 2010, 11, 77.	3.0	17
42	Mapping Interactions between mRNA Export Factors in Living Cells. <i>PLoS ONE</i> , 2013, 8, e67676.	2.5	17
43	In <i>Candida albicans</i> hyphae, <i>Sec2p</i> is physically associated with <i>SEC2</i> mRNA on secretory vesicles. <i>Molecular Microbiology</i> , 2014, 94, 828-842.	2.5	17
44	The expression of Fat-1 cadherin during chick limb development. <i>International Journal of Developmental Biology</i> , 2007, 51, 173-176.	0.6	17
45	Crystallization of and preliminary X-ray data for the negative regulator (AmiC) of the amidase operon of <i>Pseudomonas aeruginosa</i> . <i>Journal of Molecular Biology</i> , 1991, 222, 869-871.	4.2	16
46	Cyclic <i>Nrarp</i> mRNA expression is regulated by the somitic oscillator but <i>Nrarp</i> protein levels do not oscillate. <i>Developmental Dynamics</i> , 2009, 238, 3043-3055.	1.8	16
47	Cloning and characterization of hIF2, a human homologue of bacterial translation initiation factor 2, and its interaction with HIV-1 matrix. <i>Biochemical Journal</i> , 1999, 342, 97.	3.7	8
48	Structural adaptation to selective pressure for altered ligand specificity in the <i>Pseudomonas aeruginosa</i> amide receptor, AmiC. <i>Protein Engineering, Design and Selection</i> , 2000, 13, 129-132.	2.1	8
49	Oligomerization of the Amide Sensor Protein AmiC by X-ray and Neutron Scattering and Molecular Modeling. <i>Biochemistry</i> , 1997, 36, 8020-8029.	2.5	7
50	BLF1, the first <i>Burkholderia pseudomallei</i> toxin, connects inhibition of host protein synthesis with melioidosis. <i>Biochemical Society Transactions</i> , 2012, 40, 842-845.	3.4	6
51	Assignment of ¹ H, ¹³ C, and ¹⁵ N resonances for the REF2-1 mRNA export factor. <i>Journal of Biomolecular NMR</i> , 2006, 36, 41-41.	2.8	3
52	The ¹ H, ¹³ C and ¹⁵ N backbone and side-chain assignment of the RRM domain of SC35, a regulator of pre-mRNA splicing. <i>Biomolecular NMR Assignments</i> , 2011, 5, 7-10.	0.8	2
53	Assignment of ¹ H, ¹³ C, and ¹⁵ N resonances for SF2 RNA recognition motif 2. <i>Journal of Biomolecular NMR</i> , 2007, 38, 193-193.	2.8	1
54	RNA Interference in Chicken Embryos. , 2009, , 295-314.		0