

# Russell S Hamilton

## List of Publications by Year in descending order

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Version: 2024-02-01

33  
papers

1,519  
citations

471509

17  
h-index

454955

30  
g-index

42  
all docs

42  
docs citations

42  
times ranked

2223  
citing authors

#	ARTICLE	IF	CITATIONS
1	Prevention of the foreign body response to implantable medical devices by inflammasome inhibition. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2115857119.	7.1	27
2	Continuous human uterine NK cell differentiation in response to endometrial regeneration and pregnancy. Science Immunology, 2021, 6, .	11.9	62
3	Placental secretome characterization identifies candidates for pregnancy complications. Communications Biology, 2021, 4, 701.	4.4	18
4	Defective folate metabolism causes germline epigenetic instability and distinguishes Hira as a phenotypic inheritance biomarker. Nature Communications, 2021, 12, 3714.	12.8	12
5	RNA-Seq reveals changes in human placental metabolism, transport and endocrinology across the firstâ€“second trimester transition. Biology Open, 2021, 10, .	1.2	18
6	Phenotypic and functional characterization of first-trimester human placental macrophages, Hofbauer cells. Journal of Experimental Medicine, 2021, 218, .	8.5	98
7	Characterization of primary models of human trophoblast. Development (Cambridge), 2021, 148, .	2.5	50
8	Basement membrane remodelling regulates mouse embryogenesis. Nature, 2020, 582, 253-258.	27.8	71
9	Thyroid Deficiency Before Birth Alters the Adipose Transcriptome to Promote Overgrowth of White Adipose Tissue and Impair Thermogenic Capacity. Thyroid, 2020, 30, 794-805.	4.5	10
10	Blastocyst transfer in mice alters the placental transcriptome and growth. Reproduction, 2020, 159, 115-132.	2.6	5
11	Constructing Computational Pipelines. , 2019, , 135-143.		0
12	Epigenetics: Analysis of Cytosine Modifications at Single Base Resolution. , 2019, , 341-353.		1
13	Tristetraprolin/ZFP36 Regulates the Turnover of Autoimmune-Associated HLA-DQ mRNAs. Cells, 2019, 8, 1570.	4.1	6
14	Trophoblast organoids as a model for maternalâ€“fetal interactions during human placentation. Nature, 2018, 564, 263-267.	27.8	436
15	Single-Cell Analysis Identifies Thymic Maturation Delay in Growth-Restricted Neonatal Mice. Frontiers in Immunology, 2018, 9, 2523.	4.8	4
16	Molecular definition of group 1 innate lymphoid cells in the mouse uterus. Nature Communications, 2018, 9, 4492.	12.8	77
17	Exploring RNA conformational space under sparse distance restraints. Scientific Reports, 2017, 7, 44074.	3.3	5
18	Syncrin/hnRNP Q influences synaptic transmission and regulates BMP signaling at the <i>Drosophila</i> neuromuscular synapse. Biology Open, 2014, 3, 839-849.	1.2	30

#	ARTICLE	IF	CITATIONS
19	<i>Drosophila</i> Syncrip modulates the expression of mRNAs encoding key synaptic proteins required for morphology at the neuromuscular junction. <i>Rna</i> , 2014, 20, 1593-1606.	3.5	46
20	Prediction of contacts from correlated sequence substitutions. <i>Current Opinion in Structural Biology</i> , 2013, 23, 473-479.	5.7	33
21	Co-regulated expression of alpha and beta mRNAs encoding HLA-DR surface heterodimers is mediated by the MHCII RNA operon. <i>Nucleic Acids Research</i> , 2013, 41, 3772-3786.	14.5	16
22	The Mitosis and Neurodevelopment Proteins NDE1 and NDEL1 Form Dimers, Tetramers, and Polymers with a Folded Back Structure in Solution. <i>Journal of Biological Chemistry</i> , 2012, 287, 32381-32393.	3.4	38
23	A Multidisciplinary Approach to RNA Localisation. , 2012, , 213-233.		0
24	A Cell Biologist's Guide to High Resolution Imaging. <i>Methods in Enzymology</i> , 2012, 504, 29-55.	1.0	22
25	A PAR-1-dependent orientation gradient of dynamic microtubules directs posterior cargo transport in the <i>Drosophila</i> oocyte. <i>Journal of Cell Biology</i> , 2011, 194, 121-135.	5.2	107
26	Identifying and Searching for Conserved RNA Localisation Signals. <i>Methods in Molecular Biology</i> , 2011, 714, 447-466.	0.9	27
27	Cohesin cleavage and Cdk inhibition trigger formation of daughter nuclei. <i>Nature Cell Biology</i> , 2010, 12, 185-192.	10.3	155
28	ParticleStats: open source software for the analysis of particle motility and cytoskeletal polarity. <i>Nucleic Acids Research</i> , 2010, 38, W641-W646.	14.5	7
29	A bioinformatics search pipeline, RNA2DSearch, identifies RNA localization elements in <i>Drosophila</i> retrotransposons. <i>Rna</i> , 2009, 15, 200-207.	3.5	17
30	Building a scientific data grid with D i GS. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2009, 367, 2471-2481.	3.4	1
31	A common variant in the 3'UTR of the GRIK4 glutamate receptor gene affects transcript abundance and protects against bipolar disorder. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 14940-14945.	7.1	50
32	Dynactin suppresses the retrograde movement of apically localized mRNA in <i>Drosophila</i> blastoderm embryos. <i>Rna</i> , 2007, 13, 1860-1867.	3.5	14
33	RNA localization signals: Deciphering the message with bioinformatics. <i>Seminars in Cell and Developmental Biology</i> , 2007, 18, 178-185.	5.0	18