

# 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	Trophoblast organoids as a model for maternal-fetal interactions during human placentation. <i>Nature</i> , 2018, 564, 263-267.	27.8	436
2	Cohesin cleavage and Cdk inhibition trigger formation of daughter nuclei. <i>Nature Cell Biology</i> , 2010, 12, 185-192.	10.3	155
3	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
4	Phenotypic and functional characterization of first-trimester human placental macrophages, Hofbauer cells. <i>Journal of Experimental Medicine</i> , 2021, 218, .	8.5	98
5	Molecular definition of group 1 innate lymphoid cells in the mouse uterus. <i>Nature Communications</i> , 2018, 9, 4492.	12.8	77
6	Basement membrane remodelling regulates mouse embryogenesis. <i>Nature</i> , 2020, 582, 253-258.	27.8	71
7	Continuous human uterine NK cell differentiation in response to endometrial regeneration and pregnancy. <i>Science Immunology</i> , 2021, 6, .	11.9	62
8	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
9	Characterization of primary models of human trophoblast. <i>Development (Cambridge)</i> , 2021, 148, .	2.5	50
10	<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
11	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
12	Prediction of contacts from correlated sequence substitutions. <i>Current Opinion in Structural Biology</i> , 2013, 23, 473-479.	5.7	33
13	Syncrip/hnRNP Q influences synaptic transmission and regulates BMP signaling at the <i>Drosophila</i> neuromuscular synapse. <i>Biology Open</i> , 2014, 3, 839-849.	1.2	30
14	Identifying and Searching for Conserved RNA Localisation Signals. <i>Methods in Molecular Biology</i> , 2011, 714, 447-466.	0.9	27
15	Prevention of the foreign body response to implantable medical devices by inflammasome inhibition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2115857119.	7.1	27
16	A Cell Biologist's Guide to High Resolution Imaging. <i>Methods in Enzymology</i> , 2012, 504, 29-55.	1.0	22
17	RNA localization signals: Deciphering the message with bioinformatics. <i>Seminars in Cell and Developmental Biology</i> , 2007, 18, 178-185.	5.0	18
18	Placental secretome characterization identifies candidates for pregnancy complications. <i>Communications Biology</i> , 2021, 4, 701.	4.4	18

#	ARTICLE	IF	CITATIONS
19	RNA-Seq reveals changes in human placental metabolism, transport and endocrinology across the first“second trimester transition. <i>Biology Open</i> , 2021, 10, .	1.2	18
20	A bioinformatics search pipeline, RNA2DSearch, identifies RNA localization elements in <i>Drosophila</i> retrotransposons. <i>Rna</i> , 2009, 15, 200-207.	3.5	17
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	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
23	Defective folate metabolism causes germline epigenetic instability and distinguishes Hira as a phenotype inheritance biomarker. <i>Nature Communications</i> , 2021, 12, 3714.	12.8	12
24	Thyroid Deficiency Before Birth Alters the Adipose Transcriptome to Promote Overgrowth of White Adipose Tissue and Impair Thermogenic Capacity. <i>Thyroid</i> , 2020, 30, 794-805.	4.5	10
25	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
26	Tristetraprolin/ZFP36 Regulates the Turnover of Autoimmune-Associated HLA-DQ mRNAs. <i>Cells</i> , 2019, 8, 1570.	4.1	6
27	Exploring RNA conformational space under sparse distance restraints. <i>Scientific Reports</i> , 2017, 7, 44074.	3.3	5
28	Blastocyst transfer in mice alters the placental transcriptome and growth. <i>Reproduction</i> , 2020, 159, 115-132.	2.6	5
29	Single-Cell Analysis Identifies Thymic Maturation Delay in Growth-Restricted Neonatal Mice. <i>Frontiers in Immunology</i> , 2018, 9, 2523.	4.8	4
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	Epigenetics: Analysis of Cytosine Modifications at Single Base Resolution. , 2019, , 341-353.		1
32	A Multidisciplinary Approach to RNA Localisation. , 2012, , 213-233.		0
33	Constructing Computational Pipelines. , 2019, , 135-143.		0