

# Ruth Lovering

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

70  
papers

4,675  
citations

28  
h-index

68  
g-index

76  
ext. papers

7,276  
ext. citations

7.4  
avg, IF

4.88  
L-index

#	Paper	IF	Citations
70	The MIntAct project--IntAct as a common curation platform for 11 molecular interaction databases. <i>Nucleic Acids Research</i> , <b>2014</b> , 42, D358-63	20.1	1111
69	The Gene Ontology resource: enriching a GOLD mine. <i>Nucleic Acids Research</i> , <b>2021</b> , 49, D325-D334	20.1	494
68	Expansion of the Human Phenotype Ontology (HPO) knowledge base and resources. <i>Nucleic Acids Research</i> , <b>2019</b> , 47, D1018-D1027	20.1	333
67	The HUGO Gene Nomenclature Committee (HGNC). <i>Human Genetics</i> , <b>2001</b> , 109, 678-80	6.3	311
66	Guidelines for human gene nomenclature. <i>Genomics</i> , <b>2002</b> , 79, 464-70	4.3	297
65	An expanded evaluation of protein function prediction methods shows an improvement in accuracy. <i>Genome Biology</i> , <b>2016</b> , 17, 184	18.3	218
64	Gene-centric association signals for lipids and apolipoproteins identified via the HumanCVD BeadChip. <i>American Journal of Human Genetics</i> , <b>2009</b> , 85, 628-42	11	163
63	SynGO: An Evidence-Based, Expert-Curated Knowledge Base for the Synapse. <i>Neuron</i> , <b>2019</b> , 103, 217-234	13.9	147
62	Genome-wide association and Mendelian randomisation analysis provide insights into the pathogenesis of heart failure. <i>Nature Communications</i> , <b>2020</b> , 11, 163	17.4	140
61	MicroRNA Biomarkers and Platelet Reactivity: The Clot Thickens. <i>Circulation Research</i> , <b>2017</b> , 120, 418-435	5.7	127
60	An update of the S100 nomenclature. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2006</b> , 1763, 1282-3	4.9	104
59	Plasma urate concentration and risk of coronary heart disease: a Mendelian randomisation analysis. <i>Lancet Diabetes and Endocrinology</i> , <b>2016</b> , 4, 327-36	18.1	100
58	Non-coding RNA regulatory networks. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , <b>2020</b> , 1863, 194417	6	93
57	RNAcentral: a hub of information for non-coding RNA sequences. <i>Nucleic Acids Research</i> , <b>2019</b> , 47, D221-D229	10.2	90
56	Expression of Bruton's tyrosine kinase protein within the B cell lineage. <i>European Journal of Immunology</i> , <b>1994</b> , 24, 3100-5	6.1	79
55	GWAS and colocalization analyses implicate carotid intima-media thickness and carotid plaque loci in cardiovascular outcomes. <i>Nature Communications</i> , <b>2018</b> , 9, 5141	17.4	64
54	A method for increasing expressivity of Gene Ontology annotations using a compositional approach. <i>BMC Bioinformatics</i> , <b>2014</b> , 15, 155	3.6	60

53	Revised nomenclature for mammalian vacuolar-type H <sup>+</sup> -ATPase subunit genes. <i>Molecular Cell</i> , <b>2003</b> , 12, 801-3	17.6	54
52	A revised nomenclature for the human and rodent alpha-tubulin gene family. <i>Genomics</i> , <b>2007</b> , 90, 285-9	4.3	50
51	RNAcentral 2021: secondary structure integration, improved sequence search and new member databases. <i>Nucleic Acids Research</i> , <b>2021</b> , 49, D212-D220	20.1	42
50	Computational analysis of the LRRK2 interactome. <i>PeerJ</i> , <b>2015</b> , 3, e778	3.1	38
49	Exploring autophagy with Gene Ontology. <i>Autophagy</i> , <b>2018</b> , 14, 419-436	10.2	37
48	X-linked agammaglobulinemia--gene cloning and future prospects. <i>Trends in Immunology</i> , <b>1993</b> , 14, 554-8		34
47	Guidelines for the functional annotation of microRNAs using the Gene Ontology. <i>Rna</i> , <b>2016</b> , 22, 667-76	5.8	31
46	The representation of heart development in the gene ontology. <i>Developmental Biology</i> , <b>2011</b> , 354, 9-17	3.1	30
45	Access to immunology through the Gene Ontology. <i>Immunology</i> , <b>2008</b> , 125, 154-60	7.8	29
44	Weighted Protein Interaction Network Analysis of Frontotemporal Dementia. <i>Journal of Proteome Research</i> , <b>2017</b> , 16, 999-1013	5.6	28
43	A gene encoding 22 highly related zinc fingers is expressed in lymphoid cell lines. <i>Nucleic Acids Research</i> , <b>1991</b> , 19, 2921-8	20.1	26
42	Towards a unified open access dataset of molecular interactions. <i>Nature Communications</i> , <b>2020</b> , 11, 6144	7.4	26
41	The impact of focused Gene Ontology curation of specific mammalian systems. <i>PLoS ONE</i> , <b>2011</b> , 6, e27541	3.7	22
40	The Gene Ontology [Providing a Functional Role in Proteomic Studies. <i>Proteomics</i> , <b>2008</b> , 8, n/a-n/a	4.8	22
39	Vascular Endothelial Growth Factor (VEGF) Promotes Assembly of the p130Cas Interactome to Drive Endothelial Chemotactic Signaling and Angiogenesis. <i>Molecular and Cellular Proteomics</i> , <b>2017</b> , 16, 168-180	7.6	19
38	Expanding the horizons of microRNA bioinformatics. <i>Rna</i> , <b>2018</b> , 24, 1005-1017	5.8	19
37	Improving Interpretation of Cardiac Phenotypes and Enhancing Discovery With Expanded Knowledge in the Gene Ontology. <i>Circulation Genomic and Precision Medicine</i> , <b>2018</b> , 11, e001813	5.2	19
36	Stratification of candidate genes for Parkinson's disease using weighted protein-protein interaction network analysis. <i>BMC Genomics</i> , <b>2018</b> , 19, 452	4.5	17

35	Using Gene Ontology to describe the role of the neurexin-neurologin-SHANK complex in human, mouse and rat and its relevance to autism. <i>BMC Bioinformatics</i> , <b>2015</b> , 16, 186	3.6	16
34	Improvements to cardiovascular gene ontology. <i>Atherosclerosis</i> , <b>2009</b> , 205, 9-14	3.1	14
33	Cardiovascular GO annotation initiative year 1 report: why cardiovascular GO?. <i>Proteomics</i> , <b>2008</b> , 8, 1950-1958	4.3	12
32	Progress in genetic association studies of plasma lipids. <i>Current Opinion in Lipidology</i> , <b>2013</b> , 24, 123-8	4.4	10
31	RNA sequencing-based transcriptome profiling of cardiac tissue implicates novel putative disease mechanisms in FLNC-associated arrhythmogenic cardiomyopathy. <i>International Journal of Cardiology</i> , <b>2020</b> , 302, 124-130	3.2	10
30	How Does the Scientific Community Contribute to Gene Ontology?. <i>Methods in Molecular Biology</i> , <b>2017</b> , 1446, 85-93	1.4	9
29	PINOT: an intuitive resource for integrating protein-protein interactions. <i>Cell Communication and Signaling</i> , <b>2020</b> , 18, 92	7.5	8
28	Gene Ontology Curation of Neuroinflammation Biology Improves the Interpretation of Alzheimer's Disease Gene Expression Data. <i>Journal of Alzheimers Disease</i> , <b>2020</b> , 75, 1417-1435	4.3	6
27	Novel Insights Into the Effects of Interleukin 6 Antagonism in Non-ST-Segment-Elevation Myocardial Infarction Employing the SOMAscan Proteomics Platform. <i>Journal of the American Heart Association</i> , <b>2020</b> , 9, e015628	6	6
26	From zebrafish heart jogging genes to mouse and human orthologs: using Gene Ontology to investigate mammalian heart development. <i>F1000Research</i> , <b>2013</b> , 2, 242	3.6	6
25	Gene Ontology: A Resource for Analysis and Interpretation of Alzheimer's Disease Data	23-36	6
24	Improving the Gene Ontology Resource to Facilitate More Informative Analysis and Interpretation of Alzheimer's Disease Data. <i>Genes</i> , <b>2018</b> , 9,	4.2	6
23	Genetic mapping of two loci, DXS454 and DXS458, with respect to the X-linked agammaglobulinemia gene locus. <i>Human Genetics</i> , <b>1994</b> , 93, 89-90	6.3	5
22	Isolation and mapping of discrete DXS101 loci in Xq22 near the X-linked agammaglobulinaemia gene locus. <i>Human Genetics</i> , <b>1993</b> , 91, 605-8	6.3	5
21	From zebrafish heart jogging genes to mouse and human orthologs: using Gene Ontology to investigate mammalian heart development.. <i>F1000Research</i> , <b>2013</b> , 2, 242	3.6	5
20	The Minimum Information about a Molecular Interaction CAusal SStatement (MI2CAST). <i>Bioinformatics</i> , <b>2021</b> , 36, 5712-5718	7.2	5
19	Distinct proteomic profiles in monozygotic twins discordant for ischaemic stroke. <i>Molecular and Cellular Biochemistry</i> , <b>2019</b> , 456, 157-165	4.2	4
18	Annotation Extensions. <i>Methods in Molecular Biology</i> , <b>2017</b> , 1446, 233-243	1.4	4

17	A GO catalogue of human DNA-binding transcription factors		4
16	Formalization of gene regulation knowledge using ontologies and gene ontology causal activity models. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , <b>2021</b> , 1864, 194766	6	3
15	Crowdsourcing biocuration: The Community Assessment of Community Annotation with Ontologies (CACAO). <i>PLoS Computational Biology</i> , <b>2021</b> , 17, e1009463	5	3
14	Sequence Ontology terminology for gene regulation. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , <b>2021</b> , 1864, 194745	6	3
13	Fundamentals of Gene Ontology Functional Annotation <b>2010</b> , 169-208		2
12	Computer-aided integrating microdensitometry and specimen imaging with the Vickers M85A. <i>Journal of Microscopy</i> , <b>1986</b> , 141, 213-222	1.9	2
11	Term Matrix: a novel Gene Ontology annotation quality control system based on ontology term co-annotation patterns. <i>Open Biology</i> , <b>2020</b> , 10, 200149	7	2
10	A Coordinated Approach by Public Domain Bioinformatics Resources to Aid the Fight Against Alzheimer's Disease Through Expert Curation of Key Protein Targets. <i>Journal of Alzheimers Disease</i> , <b>2020</b> , 77, 257-273	4.3	2
9	Plasma proteins, cognitive decline, and 20-year risk of dementia in the Whitehall II and Atherosclerosis Risk in Communities studies. <i>Alzheimers and Dementia</i> , <b>2021</b> ,	1.2	2
8	Gene Ontology representation for transcription factor functions. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , <b>2021</b> , 1864, 194752	6	2
7	Nomenclature: Genes, Weights and Measures, Animals, Elements, and Planets. <i>Radiation Research</i> , <b>2000</b> , 154, 1-2	3.1	1
6	The gene regulation knowledge commons: the action area of GREEKC. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , <b>2021</b> , 1865, 194768	6	1
5	The genomics of heart failure: design and rationale of the HERMES consortium. <i>ESC Heart Failure</i> , <b>2021</b> ,	3.7	1
4	A GO catalogue of human DNA-binding transcription factors. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , <b>2021</b> , 1864, 194765	6	0
3	GOing Forward With the Cardiac Conduction System Using Gene Ontology.. <i>Frontiers in Genetics</i> , <b>2022</b> , 13, 802393	4.5	0
2	Student biocuration projects as a learning environment. <i>F1000Research</i> ,10, 1023	3.6	
1	Student biocuration projects as a learning environment.. <i>F1000Research</i> , <b>2021</b> , 10, 1023	3.6	