Lindsay G Cowell

List of Publications by Year
in descending order

36	1,287	471509	454955
papers	citations	17	30
		h-index	g-index

38	38	38	1948
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Adaptive Immune Receptor Repertoire Community recommendations for sharing immune-repertoire sequencing data. Nature Immunology, 2017, 18, 1274-1278.	14.5	163
2	iReceptor: A platform for querying and analyzing antibody/B‐cell and T‐cell receptor repertoire data across federated repositories. Immunological Reviews, 2018, 284, 24-41.	6.0	132
3	Individual heritable differences result in unique cell lymphocyte receptor repertoires of naïve and antigen-experienced cells. Nature Communications, 2016, 7, 11112.	12.8	123
4	Reproducibility and Reuse of Adaptive Immune Receptor Repertoire Data. Frontiers in Immunology, 2017, 8, 1418.	4.8	102
5	RAG Represents a Widespread Threat to the Lymphocyte Genome. Cell, 2015, 162, 751-765.	28.9	98
6	Biophysicochemical Motifs in T-cell Receptor Sequences Distinguish Repertoires from Tumor-Infiltrating Lymphocyte and Adjacent Healthy Tissue. Cancer Research, 2019, 79, 1671-1680.	0.9	79
7	VDJServer: A Cloud-Based Analysis Portal and Data Commons for Immune Repertoire Sequences and Rearrangements. Frontiers in Immunology, 2018, 9, 976.	4.8	68
8	TCRMatch: Predicting T-Cell Receptor Specificity Based on Sequence Similarity to Previously Characterized Receptors. Frontiers in Immunology, 2021, 12, 640725.	4.8	64
9	Mining adaptive immune receptor repertoires for biological and clinical information using machine learning. Current Opinion in Systems Biology, 2020, 24, 109-119.	2.6	58
10	Statistical classifiers for diagnosing disease from immune repertoires: a case study using multiple sclerosis. BMC Bioinformatics, 2017, 18, 401.	2.6	57
11	Cell type discovery and representation in the era of high-content single cell phenotyping. BMC Bioinformatics, 2017, 18, 559.	2.6	51
12	The immuneML ecosystem for machine learning analysis of adaptive immune receptor repertoires. Nature Machine Intelligence, 2021, 3, 936-944.	16.0	35
13	Prevalence of Select New Symptoms and Conditions Among Persons Aged Younger Than 20 Years and 20 Years or Older at 31 to 150 Days After Testing Positive or Negative for SARS-CoV-2. JAMA Network Open, 2022, 5, e2147053.	5.9	33
14	The Diagnostic, Prognostic, and Therapeutic Potential of Adaptive Immune Receptor Repertoire Profiling in Cancer. Cancer Research, 2020, 80, 643-654.	0.9	28
15	The ADC API: A Web API for the Programmatic Query of the AIRR Data Commons. Frontiers in Big Data, 2020, 3, 22.	2.9	24
16	Blood‐based biomarkers of human papillomavirus‐associated cancers: A systematic review and meta‐analysis. Cancer, 2021, 127, 850-864.	4.1	24
17	VDJPipe: a pipelined tool for pre-processing immune repertoire sequencing data. BMC Bioinformatics, 2017, 18, 448.	2.6	18
18	MSPrecise: A molecular diagnostic test for multiple sclerosis using next generation sequencing. Gene, 2015, 572, 191-197.	2.2	17

#	Article	IF	Citations
19	VDJML: a file format with tools for capturing the results of inferring immune receptor rearrangements. BMC Bioinformatics, 2016, 17, 333.	2.6	16
20	Machine learning on sequential data using a recurrent weighted average. Neurocomputing, 2019, 331, 281-288.	5.9	16
21	Biophysicochemical motifs in T cell receptor sequences as a potential biomarker for high-grade serous ovarian carcinoma. PLoS ONE, 2020, 15, e0229569.	2.5	16
22	Outcome and Immune Correlates of a Phase II Trial of High-Dose Interleukin-2 and Stereotactic Ablative Radiotherapy for Metastatic Renal Cell Carcinoma. Clinical Cancer Research, 2021, 27, 6716-6725.	7.0	12
23	The Antibody Genetics of Multiple Sclerosis: Comparing Next-Generation Sequencing to Sanger Sequencing. Frontiers in Neurology, 2014, 5, 166.	2.4	10
24	iWAS â€" A novel approach to analyzing Next Generation Sequence data for immunology. Cellular Immunology, 2016, 299, 6-13.	3.0	8
25	Design and evaluation of a bacterial clinical infectious diseases ontology. AMIA … Annual Symposium proceedings, 2013, 2013, 502-11.	0.2	7
26	owlcpp: a C++ library for working with OWL ontologies. Journal of Biomedical Semantics, 2015, 6, 35.	1.6	5
27	Data Availability of Open T-Cell Receptor Repertoire Data, a Systematic Assessment. Frontiers in Systems Biology, 0, 2, .	0.7	5
28	T Cell Receptor Repertoires Acquired via Routine Pap Testing May Help Refine Cervical Cancer and Precancer Risk Estimates. Frontiers in Immunology, 2021, 12, 624230.	4.8	3
29	Reconstituting T cell receptor selection in-silico. Genes and Immunity, 2021, 22, 187-193.	4.1	2
30	Data Sharing and Reuse: A Method by the AIRR Community. Methods in Molecular Biology, 2022, , 447-476.	0.9	2
31	Developing and validating an approach for diagnosing and prognosticating cancer from biochemical motifs in T-cell receptors.. Journal of Clinical Oncology, 2020, 38, e15260-e15260.	1.6	1
32	Burden of Renal Cysts Imaging: A Survey of Patients among the Greater Plains Collaborative. Urologia Internationalis, 2022, 106, 693-699.	1.3	0
33	Title is missing!. , 2020, 15, e0229569.		0
34	Title is missing!. , 2020, 15, e0229569.		0
35	Title is missing!. , 2020, 15, e0229569.		0
36	Title is missing!. , 2020, 15, e0229569.		0