

Melissa J Davis

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

2,076
citations

257450

24
h-index

276875

41
g-index

55
all docs

55
docs citations

55
times ranked

3585
citing authors

#	ARTICLE	IF	CITATIONS
1	Single sample scoring of molecular phenotypes. BMC Bioinformatics, 2018, 19, 404.	2.6	286
2	A Gene Signature Predicting Natural Killer Cell Infiltration and Improved Survival in Melanoma Patients. Cancer Immunology Research, 2019, 7, 1162-1174.	3.4	201
3	Supervised, semi-supervised and unsupervised inference of gene regulatory networks. Briefings in Bioinformatics, 2014, 15, 195-211.	6.5	140
4	Gene regulatory network inference: evaluation and application to ovarian cancer allows the prioritization of drug targets. Genome Medicine, 2012, 4, 41.	8.2	136
5	Blockade of the co-inhibitory molecule PD-1 unleashes ILC2-dependent antitumor immunity in melanoma. Nature Immunology, 2021, 22, 851-864.	14.5	97
6	Combinatorial Targeting by MicroRNAs Co-ordinates Post-transcriptional Control of EMT. Cell Systems, 2018, 7, 77-91.e7.	6.2	92
7	Inhibition of CDK4/6 by Palbociclib Significantly Extends Survival in Medulloblastoma Patient-Derived Xenograft Mouse Models. Clinical Cancer Research, 2017, 23, 5802-5813.	7.0	74
8	Therapeutic blockade of activin-A improves NK cell function and antitumor immunity. Science Signaling, 2019, 12, .	3.6	64
9	A Transcriptional Program for Detecting TGF β -Induced EMT in Cancer. Molecular Cancer Research, 2017, 15, 619-631.	3.4	63
10	<i>Sleeping Beauty</i> mutagenesis in a mouse medulloblastoma model defines networks that discriminate between human molecular subgroups. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E4325-34.	7.1	62
11	PRMT1-mediated H4R3me2a recruits SMARCA4 to promote colorectal cancer progression by enhancing EGFR signaling. Genome Medicine, 2021, 13, 58.	8.2	62
12	NK cell-derived GM-CSF potentiates inflammatory arthritis and is negatively regulated by CIS. Journal of Experimental Medicine, 2020, 217, .	8.5	60
13	Differential co-expression-based detection of conditional relationships in transcriptional data: comparative analysis and application to breast cancer. Genome Biology, 2019, 20, 236.	8.8	53
14	Harnessing Natural Killer Immunity in Metastatic SCLC. Journal of Thoracic Oncology, 2020, 15, 1507-1521.	1.1	50
15	Stimulus-dependent differences in signalling regulate epithelial-mesenchymal plasticity and change the effects of drugs in breast cancer cell lines. Cell Communication and Signaling, 2015, 13, 26.	6.5	47
16	RaftProt: mammalian lipid raft proteome database. Nucleic Acids Research, 2015, 43, D335-D338.	14.5	38
17	Profiling of lung SARS-CoV-2 and influenza virus infection dissects virus-specific host responses and gene signatures. European Respiratory Journal, 2022, 59, 2101881.	6.7	37
18	The EMT modulator SNAI1 contributes to AML pathogenesis via its interaction with LSD1. Blood, 2020, 136, 957-973.	1.4	35

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19	Metastasis-Entrained Eosinophils Enhance Lymphocyte-Mediated Antitumor Immunity. <i>Cancer Research</i> , 2021, 81, 5555-5571.	0.9	35
20	Stable gene expression for normalisation and single-sample scoring. <i>Nucleic Acids Research</i> , 2020, 48, e113-e113.	14.5	34
21	Automatic, context-specific generation of Gene Ontology slims. <i>BMC Bioinformatics</i> , 2010, 11, 498.	2.6	33
22	Predicting expression: the complementary power of histone modification and transcription factor binding data. <i>Epigenetics and Chromatin</i> , 2014, 7, 36.	3.9	32
23	Type 2 Innate Lymphoid Cells Protect against Colorectal Cancer Progression and Predict Improved Patient Survival. <i>Cancers</i> , 2021, 13, 559.	3.7	31
24	An Erg-driven transcriptional program controls B cell lymphopoiesis. <i>Nature Communications</i> , 2020, 11, 3013.	12.8	29
25	Cotargeting BCL-2 and MCL-1 in high-risk B-ALL. <i>Blood Advances</i> , 2020, 4, 2762-2767.	5.2	28
26	Measuring and Modelling the Epithelial- Mesenchymal Hybrid State in Cancer: Clinical Implications. <i>Cells Tissues Organs</i> , 2022, 211, 110-133.	2.3	28
27	NK Cell Priming From Endogenous Homeostatic Signals Is Modulated by CIS. <i>Frontiers in Immunology</i> , 2020, 11, 75.	4.8	27
28	Elp2 mutations perturb the epitranscriptome and lead to a complex neurodevelopmental phenotype. <i>Nature Communications</i> , 2021, 12, 2678.	12.8	26
29	The site of breast cancer metastases dictates their clonal composition and reversible transcriptomic profile. <i>Science Advances</i> , 2021, 7, .	10.3	23
30	mCOPA: analysis of heterogeneous features in cancer expression data. <i>Journal of Clinical Bioinformatics</i> , 2012, 2, 22.	1.2	20
31	Integrative Analysis of Somatic Mutations in Non-coding Regions Altering RNA Secondary Structures in Cancer Genomes. <i>Scientific Reports</i> , 2019, 9, 8205.	3.3	14
32	Using singscore to predict mutation status in acute myeloid leukemia from transcriptomic signatures. <i>F1000Research</i> , 2019, 8, 776.	1.6	12
33	Snail induces epithelial cell extrusion by regulating RhoA contractile signaling and cell-matrix adhesion. <i>Journal of Cell Science</i> , 2020, 133, .	2.0	11
34	TGF β 2 and CIS Inhibition Overcomes NK-cell Suppression to Restore Antitumor Immunity. <i>Cancer Immunology Research</i> , 2022, 10, 1047-1054.	3.4	11
35	Systems pharmacogenomics identifies novel targets and clinically actionable therapeutics for medulloblastoma. <i>Genome Medicine</i> , 2021, 13, 103.	8.2	10
36	Functional divergence of the two Elongator subcomplexes during neurodevelopment. <i>EMBO Molecular Medicine</i> , 0, , .	6.9	10

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37	Eukaryote-Conserved Methylarginine Is Absent in Diplomonads and Functionally Compensated in <i>Giardia</i> . <i>Molecular Biology and Evolution</i> , 2020, 37, 3525-3549.	8.9	9
38	Using singscore to predict mutations in acute myeloid leukemia from transcriptomic signatures. <i>F1000Research</i> , 2019, 8, 776.	1.6	9
39	Hhex Directly Represses BIM-Dependent Apoptosis to Promote NK Cell Development and Maintenance. <i>Cell Reports</i> , 2020, 33, 108285.	6.4	7
40	SOX9 Defines Distinct Populations of Cells in SHH Medulloblastoma but Is Not Required for Math1-Driven Tumor Formation. <i>Molecular Cancer Research</i> , 2021, 19, 1831-1839.	3.4	5
41	SFPQ-ABL1 and BCR-ABL1 use different signaling networks to drive B-cell acute lymphoblastic leukemia. <i>Blood Advances</i> , 2022, 6, 2373-2387.	5.2	4
42	Network analysis of an in vitro model of androgen-resistance in prostate cancer. <i>BMC Cancer</i> , 2015, 15, 883.	2.6	3
43	Computational Screening of Anti-Cancer Drugs Identifies a New BRCA Independent Gene Expression Signature to Predict Breast Cancer Sensitivity to Cisplatin. <i>Cancers</i> , 2022, 14, 2404.	3.7	2
44	Determining the Significance of Protein Network Features and Attributes Using Permutation Testing. <i>Methods in Molecular Biology</i> , 2017, 1549, 199-208.	0.9	1
45	Using singscore to predict mutation status in acute myeloid leukemia from transcriptomic signatures. <i>F1000Research</i> , 0, 8, 776.	1.6	1