

Mikael Benson

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

1,636
citations

361413

20
h-index

330143

37
g-index

41
all docs

41
docs citations

41
times ranked

3589
citing authors

#	ARTICLE	IF	CITATIONS
1	Making sense of big data in health research: Towards an EU action plan. <i>Genome Medicine</i> , 2016, 8, 71.	8.2	190
2	Modules, networks and systems medicine for understanding disease and aiding diagnosis. <i>Genome Medicine</i> , 2014, 6, 82.	8.2	169
3	Digital twins to personalize medicine. <i>Genome Medicine</i> , 2020, 12, 4.	8.2	158
4	Rapid reprogramming of epigenetic and transcriptional profiles in mammalian culture systems. <i>Genome Biology</i> , 2015, 16, 11.	8.8	137
5	Single-cell analyses to tailor treatments. <i>Science Translational Medicine</i> , 2017, 9, .	12.4	116
6	A reassessment of DNA-immunoprecipitation-based genomic profiling. <i>Nature Methods</i> , 2018, 15, 499-504.	19.0	92
7	DNA Methylation Changes Separate Allergic Patients from Healthy Controls and May Reflect Altered CD4+ T-Cell Population Structure. <i>PLoS Genetics</i> , 2014, 10, e1004059.	3.5	70
8	A validated single-cell-based strategy to identify diagnostic and therapeutic targets in complex diseases. <i>Genome Medicine</i> , 2019, 11, 47.	8.2	68
9	A validated gene regulatory network and GWAS identifies early regulators of T cell-associated diseases. <i>Science Translational Medicine</i> , 2015, 7, 313ra178.	12.4	66
10	Gene profiling reveals increased expression of uteroglobin and other anti-inflammatory genes in glucocorticoid-treated nasal polyps. <i>Journal of Allergy and Clinical Immunology</i> , 2004, 113, 1137-1143.	2.9	60
11	5-Hydroxymethylcytosine Remodeling Precedes Lineage Specification during Differentiation of Human CD4+ T Cells. <i>Cell Reports</i> , 2016, 16, 559-570.	6.4	56
12	A Generally Applicable Translational Strategy Identifies S100A4 as a Candidate Gene in Allergy. <i>Science Translational Medicine</i> , 2014, 6, 218ra4.	12.4	54
13	Dynamic Response Genes in CD4+ T Cells Reveal a Network of Interactive Proteins that Classifies Disease Activity in Multiple Sclerosis. <i>Cell Reports</i> , 2016, 16, 2928-2939.	6.4	38
14	DNA MICROARRAY ANALYSIS OF TRANSFORMING GROWTH FACTOR- β AND RELATED TRANSCRIPTS IN NASAL BIOPSIES FROM PATIENTS WITH ALLERGIC RHINITIS. <i>Cytokine</i> , 2002, 18, 20-25.	3.2	30
15	INCREASED EXPRESSION OF VASCULAR ENDOTHELIAL GROWTH FACTOR-A IN SEASONAL ALLERGIC RHINITIS. <i>Cytokine</i> , 2002, 20, 268-273.	3.2	29
16	TET2 as a tumor suppressor and therapeutic target in T-cell acute lymphoblastic leukemia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	29
17	Integrated genomic and prospective clinical studies show the importance of modular pleiotropy for disease susceptibility, diagnosis and treatment. <i>Genome Medicine</i> , 2014, 6, 17.	8.2	27
18	Roles of miRNAs in microcystin-LR-induced Sertoli cell toxicity. <i>Toxicology and Applied Pharmacology</i> , 2015, 287, 1-8.	2.8	24

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19	Bulk and single cell transcriptomic data indicate that a dichotomy between inflammatory pathways in peripheral blood and arthritic joints complicates biomarker discovery. <i>Cytokine</i> , 2020, 127, 154960.	3.2	22
20	Targeted omics and systems medicine: personalising care. <i>Lancet Respiratory Medicine</i> , 2014, 2, 785-787.	10.7	20
21	Altered Levels of the Soluble IL-1, IL-4 and TNF Receptors, as well as the IL-1 Receptor Antagonist, in Intermittent Allergic Rhinitis. <i>International Archives of Allergy and Immunology</i> , 2004, 134, 227-232.	2.1	18
22	Translating genomic medicine to the clinic: challenges and opportunities. <i>Genome Medicine</i> , 2019, 11, 9.	8.2	18
23	Estimating heritability and genetic correlations from large health datasets in the absence of genetic data. <i>Nature Communications</i> , 2019, 10, 5508.	12.8	17
24	A dynamic single cell-based framework for digital twins to prioritize disease genes and drug targets. <i>Genome Medicine</i> , 2022, 14, 48.	8.2	16
25	Differential Shannon entropy and differential coefficient of variation: alternatives and augmentations to differential expression in the search for disease-related genes. <i>International Journal of Computational Biology and Drug Design</i> , 2014, 7, 183.	0.3	12
26	Roles of piRNAs in microcystin-leucine-arginine (MC-LR) induced reproductive toxicity in testis on male offspring. <i>Food and Chemical Toxicology</i> , 2017, 105, 177-185.	3.6	11
27	An algorithm-based meta-analysis of genome- and proteome-wide data identifies a combination of potential plasma biomarkers for colorectal cancer. <i>Scientific Reports</i> , 2019, 9, 15575.	3.3	10
28	Meta-Analysis of Expression Profiling Data Indicates Need for Combinatorial Biomarkers in Pediatric Ulcerative Colitis. <i>Journal of Immunology Research</i> , 2020, 2020, 1-11.	2.2	10
29	Cancer network activity associated with therapeutic response and synergism. <i>Genome Medicine</i> , 2016, 8, 88.	8.2	7
30	Epithelial Cells in Nasal Fluids from Patients with Allergic Rhinitis: How do they Relate to Epidermal Growth Factor, Eosinophils and Eosinophil Cationic Protein?. <i>Acta Oto-Laryngologica</i> , 2002, 122, 202-205.	0.9	6
31	LASSIMâ€”A network inference toolbox for genome-wide mechanistic modeling. <i>PLoS Computational Biology</i> , 2017, 13, e1005608.	3.2	6
32	DNA microarray analysis of chromosomal susceptibility regions to identify candidate genes for allergic disease: A pilot study. <i>Acta Oto-Laryngologica</i> , 2004, 124, 813-819.	0.9	4
33	Potential Involvement of Type I Interferon Signaling in Immunotherapy in Seasonal Allergic Rhinitis. <i>Journal of Immunology Research</i> , 2016, 2016, 1-6.	2.2	4
34	CD4 ⁺ T-cell DNA methylation changes during pregnancy significantly correlate with disease-associated methylation changes in autoimmune diseases. <i>Epigenetics</i> , 2022, 17, 1040-1055.	2.7	4
35	GAB2 regulates type 2 T helper cell differentiation in humans. <i>Cytokine</i> , 2017, 96, 234-237.	3.2	3
36	Cell type identification for single cell RNA data by bulk data reference projection. , 2021, , .		0