

Joseph Hiatt

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

7,404
citations

361413

20
h-index

642732

23
g-index

29
all docs

29
docs citations

29
times ranked

15531
citing authors

#	ARTICLE	IF	CITATIONS
1	A SARS-CoV-2 protein interaction map reveals targets for drug repurposing. <i>Nature</i> , 2020, 583, 459-468.	27.8	3,542
2	The Global Phosphorylation Landscape of SARS-CoV-2 Infection. <i>Cell</i> , 2020, 182, 685-712.e19.	28.9	825
3	Reprogramming human T cell function and specificity with non-viral genome targeting. <i>Nature</i> , 2018, 559, 405-409.	27.8	630
4	Comparative host-coronavirus protein interaction networks reveal pan-viral disease mechanisms. <i>Science</i> , 2020, 370, .	12.6	508
5	The integrin $\alpha 4 \beta 7$ forms a complex with cell-surface CD4 and defines a T-cell subset that is highly susceptible to infection by HIV-1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 20877-20882.	7.1	258
6	Evaluation of SARS-CoV-2 serology assays reveals a range of test performance. <i>Nature Biotechnology</i> , 2020, 38, 1174-1183.	17.5	251
7	Evolution of enhanced innate immune evasion by SARS-CoV-2. <i>Nature</i> , 2022, 602, 487-495.	27.8	237
8	Targeting $\alpha 4 \beta 7$ integrin reduces mucosal transmission of simian immunodeficiency virus and protects gut-associated lymphoid tissue from infection. <i>Nature Medicine</i> , 2014, 20, 1397-1400.	30.7	134
9	Pooled Knockin Targeting for Genome Engineering of Cellular Immunotherapies. <i>Cell</i> , 2020, 181, 728-744.e21.	28.9	131
10	CRISPR-Cas9 genome engineering of primary CD4+ T cells for the interrogation of HIV host factor interactions. <i>Nature Protocols</i> , 2019, 14, 1-27.	12.0	98
11	Large dataset enables prediction of repair after CRISPR-Cas9 editing in primary T cells. <i>Nature Biotechnology</i> , 2019, 37, 1034-1037.	17.5	87
12	The HIV-1 envelope protein gp120 impairs B cell proliferation by inducing TGF- $\beta 1$ production and FcRL4 expression. <i>Nature Immunology</i> , 2013, 14, 1256-1265.	14.5	81
13	Cyclophilin A Prevents HIV-1 Restriction in Lymphocytes by Blocking Human TRIM5 α Binding to the Viral Core. <i>Cell Reports</i> , 2020, 30, 3766-3777.e6.	6.4	68
14	TCF-1 regulates HIV-specific CD8+ T cell expansion capacity. <i>JCI Insight</i> , 2021, 6, .	5.0	43
15	ARIH2 Is a Vif-Dependent Regulator of CUL5-Mediated APOBEC3G Degradation in HIV Infection. <i>Cell Host and Microbe</i> , 2019, 26, 86-99.e7.	11.0	42
16	Light-activated cell identification and sorting (LACIS) for selection of edited clones on a nanofluidic device. <i>Communications Biology</i> , 2018, 1, 41.	4.4	40
17	Select gp120 V2 domain specific antibodies derived from HIV and SIV infection and vaccination inhibit gp120 binding to $\alpha 4 \beta 7$. <i>PLoS Pathogens</i> , 2018, 14, e1007278.	4.7	29
18	Efficient generation of isogenic primary human myeloid cells using CRISPR-Cas9 ribonucleoproteins. <i>Cell Reports</i> , 2021, 35, 109105.	6.4	29

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19	A functional map of HIV-host interactions in primary human T cells. <i>Nature Communications</i> , 2022, 13, 1752.	12.8	27
20	MAdCAM costimulation through Integrin- $\alpha 4\beta 7$ promotes HIV replication. <i>Mucosal Immunology</i> , 2018, 11, 1342-1351.	6.0	26
21	Relationship between CD4 T cell turnover, cellular differentiation and HIV persistence during ART. <i>PLoS Pathogens</i> , 2021, 17, e1009214.	4.7	25
22	CRL4 ^{AMBRA1} targets Elongin C for ubiquitination and degradation to modulate CRL5 signaling. <i>EMBO Journal</i> , 2018, 37, .	7.8	13
23	C105â€fGlycosylation in HIV Transmission. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2013, 62, 44.	2.1	1