

Marta Massanella

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

3,609
citations

159585

30
h-index

144013

57
g-index

88
all docs

88
docs citations

88
times ranked

5249
citing authors

#	ARTICLE	IF	CITATIONS
1	HIV-1 replication and immune dynamics are affected by raltegravir intensification of HAART-suppressed subjects. <i>Nature Medicine</i> , 2010, 16, 460-465.	30.7	500
2	Single-cell characterization and quantification of translation-competent viral reservoirs in treated and untreated HIV infection. <i>PLoS Pathogens</i> , 2019, 15, e1007619.	4.7	177
3	Single-Cell Characterization of Viral Translation-Competent Reservoirs in HIV-Infected Individuals. <i>Cell Host and Microbe</i> , 2016, 20, 368-380.	11.0	170
4	Comparative transcriptomics of extreme phenotypes of human HIV-1 infection and SIV infection in sooty mangabey and rhesus macaque. <i>Journal of Clinical Investigation</i> , 2011, 121, 2391-2400.	8.2	168
5	Nadir CD4 T Cell Count as Predictor and High CD4 T Cell Intrinsic Apoptosis as Final Mechanism of Poor CD4 T Cell Recovery in Virologically Suppressed HIV-Infected Patients: Clinical Implications. <i>Clinical Infectious Diseases</i> , 2010, 50, 1300-1308.	5.8	133
6	CD4 T-cell hyperactivation and susceptibility to cell death determine poor CD4 T-cell recovery during suppressive HAART. <i>Aids</i> , 2010, 24, 959-968.	2.2	114
7	Treatment Intensification with Raltegravir in Subjects with Sustained HIV-1 Viraemia Suppression: A Randomized 48-Week Study. <i>Antiviral Therapy</i> , 2012, 17, 355-364.	1.0	108
8	Residual inflammation and viral reservoirs. <i>Current Opinion in HIV and AIDS</i> , 2016, 11, 234-241.	3.8	107
9	Gut Lactobacillales are associated with higher CD4 and less microbial translocation during HIV infection. <i>Aids</i> , 2013, 27, 1921-1931.	2.2	104
10	Screening NK-, B- and T-cell phenotype and function in patients suffering from Chronic Fatigue Syndrome. <i>Journal of Translational Medicine</i> , 2013, 11, 68.	4.4	92
11	SARS-CoV-2 infection elicits a rapid neutralizing antibody response that correlates with disease severity. <i>Scientific Reports</i> , 2021, 11, 2608.	3.3	86
12	Immunodiscordant responses to HAART – mechanisms and consequences. <i>Expert Review of Clinical Immunology</i> , 2013, 9, 1135-1149.	3.0	79
13	Stable neutralizing antibody levels 6 months after mild and severe COVID-19 episodes. <i>Med</i> , 2021, 2, 313-320.e4.	4.4	77
14	Measuring the latent reservoir in vivo. <i>Journal of Clinical Investigation</i> , 2016, 126, 464-472.	8.2	76
15	The Sordid Affair Between Human Herpesvirus and HIV. <i>Journal of Infectious Diseases</i> , 2015, 212, 845-852.	4.0	75
16	Antigp41 antibodies fail to block early events of virological synapses but inhibit HIV spread between T cells. <i>Aids</i> , 2009, 23, 183-188.	2.2	70
17	Cytomegalovirus Replication in Semen Is Associated with Higher Levels of Proviral HIV DNA and CD4 ⁺ T Cell Activation during Antiretroviral Treatment. <i>Journal of Virology</i> , 2014, 88, 7818-7827.	3.4	69
18	The effect of cell subset isolation method on gene expression in leukocytes. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2014, 85, 94-104.	1.5	63

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19	Intensification of a raltegravir-based regimen with maraviroc in early HIV-1 infection. <i>Aids</i> , 2014, 28, 325-334.	2.2	62
20	Inappropriate sinus tachycardia in post-COVID-19 syndrome. <i>Scientific Reports</i> , 2022, 12, 298.	3.3	57
21	Deep Molecular Characterization of HIV-1 Dynamics under Suppressive HAART. <i>PLoS Pathogens</i> , 2011, 7, e1002314.	4.7	55
22	Multiparametric characterization of rare HIV-infected cells using an RNA-flow FISH technique. <i>Nature Protocols</i> , 2017, 12, 2029-2049.	12.0	55
23	Replication of Human Herpesviruses Is Associated with Higher HIV DNA Levels during Antiretroviral Therapy Started at Early Phases of HIV Infection. <i>Journal of Virology</i> , 2016, 90, 3944-3952.	3.4	52
24	Improved assays to measure and characterize the inducible HIV reservoir. <i>EBioMedicine</i> , 2018, 36, 113-121.	6.1	47
25	HIV transfer between CD4 T cells does not require LFA-1 binding to ICAM-1 and is governed by the interaction of HIV envelope glycoprotein with CD4. <i>Retrovirology</i> , 2008, 5, 32.	2.0	46
26	LILAC pilot study: Effects of metformin on mTOR activation and HIV reservoir persistence during antiretroviral therapy. <i>EBioMedicine</i> , 2021, 65, 103270.	6.1	46
27	Methamphetamine Use in HIV-infected Individuals Affects T-cell Function and Viral Outcome during Suppressive Antiretroviral Therapy. <i>Scientific Reports</i> , 2015, 5, 13179.	3.3	45
28	Raltegravir intensification shows differing effects on CD8 and CD4 T cells in HIV-infected HAART-suppressed individuals with poor CD4 T-cell recovery. <i>Aids</i> , 2012, 26, 2285-2293.	2.2	44
29	On the steps of cell-to-cell HIV transmission between CD4 T cells. <i>Retrovirology</i> , 2009, 6, 89.	2.0	38
30	A cell-to-cell HIV transfer assay identifies humoral responses with broad neutralization activity. <i>Vaccine</i> , 2011, 29, 5250-5259.	3.8	38
31	Increased ex vivo cell death of central memory CD4 T cells in treated HIV infected individuals with unsatisfactory immune recovery. <i>Journal of Translational Medicine</i> , 2015, 13, 230.	4.4	33
32	Differential gene expression in HIV-infected individuals following ART. <i>Antiviral Research</i> , 2013, 100, 420-428.	4.1	32
33	Cell-free mitochondrial DNA in CSF is associated with early viral rebound, inflammation, and severity of neurocognitive deficits in HIV infection. <i>Journal of NeuroVirology</i> , 2016, 22, 191-200.	2.1	31
34	Standard vaccines increase HIV-1 transcription during antiretroviral therapy. <i>Aids</i> , 2016, 30, 2289-2298.	2.2	30
35	Early but limited effects of raltegravir intensification on CD4 T cell reconstitution in HIV-infected patients with an immunodiscordant response to antiretroviral therapy. <i>Journal of Antimicrobial Chemotherapy</i> , 2013, 68, 2358-2362.	3.0	28
36	Effects of HIV/TAT protein expression and chronic selegiline treatment on spatial memory, reversal learning and neurotransmitter levels in mice. <i>Behavioural Brain Research</i> , 2016, 311, 131-140.	2.2	28

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37	Different Plasma Markers of Inflammation Are Influenced by Immune Recovery and cART Composition or Intensification in Treated HIV Infected Individuals. <i>PLoS ONE</i> , 2014, 9, e114142.	2.5	27
38	Subclinical Cytomegalovirus DNA Is Associated with CD4 T Cell Activation and Impaired CD8 T Cell CD107a Expression in People Living with HIV despite Early Antiretroviral Therapy. <i>Journal of Virology</i> , 2019, 93, .	3.4	27
39	Quantification of Total and 2-LTR (Long terminal repeat) HIV DNA, HIV RNA and Herpesvirus DNA in PBMCs. <i>Bio-protocol</i> , 2015, 5, .	0.4	26
40	Inducible HIV RNA transcription assays to measure HIV persistence: pros and cons of a compromise. <i>Retrovirology</i> , 2018, 15, 9.	2.0	25
41	Long-term effects of early antiretroviral initiation on HIV reservoir markers: a longitudinal analysis of the MERLIN clinical study. <i>Lancet Microbe</i> , The, 2021, 2, e198-e209.	7.3	24
42	Infrequent HIV Infection of Circulating Monocytes during Antiretroviral Therapy. <i>Journal of Virology</i> , 2019, 94, .	3.4	23
43	Assessing intra-lab precision and inter-lab repeatability of outgrowth assays of HIV-1 latent reservoir size. <i>PLoS Computational Biology</i> , 2019, 15, e1006849.	3.2	22
44	Dynamics of CD8 T-Cell Activation After Discontinuation of HIV Treatment Intensification. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2013, 63, 152-160.	2.1	21
45	Adenosine Deaminase Enhances the Immunogenicity of Human Dendritic Cells from Healthy and HIV-Infected Individuals. <i>PLoS ONE</i> , 2012, 7, e51287.	2.5	21
46	Clinical course impacts early kinetics, magnitude, and amplitude of SARS-CoV-2 neutralizing antibodies beyond 1 year after infection. <i>Cell Reports Medicine</i> , 2022, 3, 100523.	6.5	18
47	Brief Report. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2016, 72, 133-137.	2.1	17
48	Elevated humoral response to cytomegalovirus in HIV-infected individuals with poor CD4+ T-cell immune recovery. <i>PLoS ONE</i> , 2017, 12, e0184433.	2.5	17
49	Previous SARS-CoV-2 Infection Increases B.1.1.7 Cross-Neutralization by Vaccinated Individuals. <i>Viruses</i> , 2021, 13, 1135.	3.3	17
50	Changes in T-cell subsets in HIV&HCV-coinfected patients during pegylated interferon- α 2a plus ribavirin treatment. <i>Antiviral Therapy</i> , 2010, 15, 333-342.	1.0	16
51	Evaluation of the Aptima HIV-1 Quant Dx Assay for HIV-1 RNA Quantitation in Different Biological Specimen Types. <i>Journal of Clinical Microbiology</i> , 2017, 55, 2544-2553.	3.9	16
52	Attacking the HIV Reservoir from the Immune and Viral Perspective. <i>Current HIV/AIDS Reports</i> , 2013, 10, 33-41.	3.1	15
53	HIV exposed seronegative individuals show antibodies specifically recognizing native HIV envelope glycoprotein. <i>Aids</i> , 2013, 27, 1375-1385.	2.2	15
54	Improving HIV Outgrowth by Optimizing Cell-Culture Conditions and Supplementing With all-trans Retinoic Acid. <i>Frontiers in Microbiology</i> , 2020, 11, 902.	3.5	15

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55	Effect of Maraviroc Intensification on HIV-1-Specific T Cell Immunity in Recently HIV-1-Infected Individuals. <i>PLoS ONE</i> , 2014, 9, e87334.	2.5	15
56	Lack of concordance between residual viremia and viral variants driving de novo infection of CD4+ T cells on ART. <i>Retrovirology</i> , 2016, 13, 51.	2.0	14
57	SARS-CoV-2 Infection Modulates ACE2 Function and Subsequent Inflammatory Responses in Swabs and Plasma of COVID-19 Patients. <i>Viruses</i> , 2021, 13, 1715.	3.3	14
58	Viremic HIV Infected Individuals with High CD4 T Cells and Functional Envelope Proteins Show Anti-gp41 Antibodies with Unique Specificity and Function. <i>PLoS ONE</i> , 2012, 7, e30330.	2.5	13
59	Assessing main death pathways in T lymphocytes from HIV infected individuals. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2013, 83A, 648-658.	1.5	13
60	Continuous Prophylactic Antiretrovirals/Antiretroviral Therapy Since Birth Reduces Seeding and Persistence of the Viral Reservoir in Children Vertically Infected With Human Immunodeficiency Virus. <i>Clinical Infectious Diseases</i> , 2021, 73, 427-438.	5.8	13
61	The reconstitution of the thymus in immunosuppressed individuals restores CD4-specific cellular and humoral immune responses. <i>Immunology</i> , 2011, 133, 318-328.	4.4	12
62	Preserved immune functionality and high CMV-specific T-cell responses in HIV-infected individuals with poor CD4+ T-cell immune recovery. <i>Scientific Reports</i> , 2017, 7, 11711.	3.3	12
63	Memory B cell dysregulation in HIV-1-infected individuals. <i>Aids</i> , 2018, 32, 149-160.	2.2	11
64	Biomarker candidates for progression and clinical management of COVID-19 associated pneumonia at time of admission. <i>Scientific Reports</i> , 2022, 12, 640.	3.3	11
65	Antiretroviral therapy suppressed participants with low CD4+ T-cell counts segregate according to opposite immunological phenotypes. <i>Aids</i> , 2016, 30, 2275-2287.	2.2	10
66	Microstructural changes to the brain of mice after methamphetamine exposure as identified with diffusion tensor imaging. <i>Psychiatry Research - Neuroimaging</i> , 2016, 249, 27-37.	1.8	7
67	Brief Report. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2017, 74, 201-205.	2.1	7
68	Critical Presentation of a Severe Acute Respiratory Syndrome Coronavirus 2 Reinfection: A Case Report. <i>Open Forum Infectious Diseases</i> , 2021, 8, ofab329.	0.9	7
69	Quantification of HIV RNA and Human Herpesvirus DNA in Seminal Plasma. <i>Bio-protocol</i> , 2015, 5, .	0.4	7
70	Reduced humoral response 3 months following BNT162b2 vaccination in SARS-CoV-2 uninfected residents of long-term care facilities. <i>Age and Ageing</i> , 2022, 51, .	1.6	7
71	Replication competence of virions induced from CD4+ lymphocytes latently infected with HIV. <i>Retrovirology</i> , 2019, 16, 4.	2.0	6
72	TL1A-DR3 Plasma Levels Are Predictive of HIV-1 Disease Control, and DR3 Costimulation Boosts HIV-1-Specific T Cell Responses. <i>Journal of Immunology</i> , 2020, 205, 3348-3357.	0.8	3

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73	Small form factor flow virometer for SARS-CoV-2. <i>Biomedical Optics Express</i> , 2022, 13, 1609.	2.9	3
74	Susceptibility of Human Lymphoid Tissue Cultured <i>ex vivo</i> to Xenotropic Murine Leukemia Virus-Related Virus (XMRV) Infection. <i>PLoS ONE</i> , 2012, 7, e37415.	2.5	2
75	Skewed Cellular Distribution and Low Activation of Functional T-Cell Responses in SARS-CoV-2 Non-Seroconvertors. <i>Frontiers in Immunology</i> , 2022, 13, .	4.8	2
76	A case cluster demonstrating the relationship between HLA concordance and virologic and disease outcomes in human immunodeficiency virus infection. <i>Virology</i> , 2014, 449, 104-108.	2.4	1
77	Neurocognitive Profile of the Post-COVID Condition in Adults in Cataloniaâ€”A Mixed Method Prospective Cohort and Nested Caseâ€”Control Study: Study Protocol. <i>Vaccines</i> , 2022, 10, 849.	4.4	1
78	Restricted infection of xenotropic murine leukemia virus-related virus in human lymphoid tissue. <i>Retrovirology</i> , 2011, 8, .	2.0	0
79	Analyses of Mitochondrial DNA and Immune Phenotyping Suggest Accelerated T-Cell Turnover in Treated HIV. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2018, 79, 399-406.	2.1	0
80	Influence of the Antiretroviral Regimen on the Early Changes in Plasma HIV RNA and Immune Activation at Initiation of Antiretroviral Therapy in Naïve HIV-1â€”Infected Patients. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2021, 86, e146-e149.	2.1	0