Marta Massanella

List of Publications by Year
in descending order

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80 papers	3,609 citations	159358 30 h-index	143772 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. Nature Medicine, 2010, 16, 460-465.	15.2	500
2	Single-cell characterization and quantification of translation-competent viral reservoirs in treated and untreated HIV infection. PLoS Pathogens, 2019, 15, e1007619.	2.1	177
3	Single-Cell Characterization of Viral Translation-Competent Reservoirs in HIV-Infected Individuals. Cell Host and Microbe, 2016, 20, 368-380.	5.1	170
4	Comparative transcriptomics of extreme phenotypes of human HIV-1 infection and SIV infection in sooty mangabey and rhesus macaque. Journal of Clinical Investigation, 2011, 121, 2391-2400.	3.9	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 HIVâ€Infected Patients: Clinical Implications. Clinical Infectious Diseases, 2010, 50, 1300-1308.	2.9	133
6	CD4 T-cell hyperactivation and susceptibility to cell death determine poor CD4 T-cell recovery during suppressive HAART. Aids, 2010, 24, 959-968.	1.0	114
7	Treatment Intensification with Raltegravir in Subjects with Sustained HIV-1 Viraemia Suppression: A Randomized 48-Week Study. Antiviral Therapy, 2012, 17, 355-364.	0.6	108
8	Residual inflammation and viral reservoirs. Current Opinion in HIV and AIDS, 2016, 11, 234-241.	1.5	107
9	Gut Lactobacillales are associated with higher CD4 and less microbial translocation during HIV infection. Aids, 2013, 27, 1921-1931.	1.0	104
10	Screening NK-, B- and T-cell phenotype and function in patients suffering from Chronic Fatigue Syndrome. Journal of Translational Medicine, 2013, 11, 68.	1.8	92
11	SARS-CoV-2 infection elicits a rapid neutralizing antibody response that correlates with disease severity. Scientific Reports, 2021, 11, 2608.	1.6	86
12	Immunodiscordant responses to HAART â€“ mechanisms and consequences. Expert Review of Clinical Immunology, 2013, 9, 1135-1149.	1.3	79
13	Stable neutralizing antibody levels 6Âmonths after mild and severe COVID-19 episodes. Med, 2021, 2, 313-320.e4.	2.2	77
14	Measuring the latent reservoir in vivo. Journal of Clinical Investigation, 2016, 126, 464-472.	3.9	76
15	The Sordid Affair Between Human Herpesvirus and HIV. Journal of Infectious Diseases, 2015, 212, 845-852.	1.9	75
16	Antigp41 antibodies fail to block early events of virological synapses but inhibit HIV spread between T cells. Aids, 2009, 23, 183-188.	1.0	70
17	Cytomegalovirus Replication in Semen Is Associated with Higher Levels of Proviral HIV DNA and CD4 ⁺ T Cell Activation during Antiretroviral Treatment. Journal of Virology, 2014, 88, 7818-7827.	1.5	69
18	The effect of cell subset isolation method on gene expression in leukocytes. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2014, 85, 94-104.	1.1	63

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19	Intensification of a raltegravir-based regimen with maraviroc in early HIV-1 infection. Aids, 2014, 28, 325-334.	1.0	62
20	Inappropriate sinus tachycardia in post-COVID-19 syndrome. Scientific Reports, 2022, 12, 298.	1.6	57
21	Deep Molecular Characterization of HIV-1 Dynamics under Suppressive HAART. PLoS Pathogens, 2011, 7, e1002314.	2.1	55
22	Multiparametric characterization of rare HIV-infected cells using an RNA-flow FISH technique. Nature Protocols, 2017, 12, 2029-2049.	5.5	55
23	Replication of Human Herpesviruses Is Associated with Higher HIV DNA Levels during Antiretroviral Therapy Started at Early Phases of HIV Infection. Journal of Virology, 2016, 90, 3944-3952.	1.5	52
24	Improved assays to measure and characterize the inducible HIV reservoir. EBioMedicine, 2018, 36, 113-121.	2.7	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. Retrovirology, 2008, 5, 32.	0.9	46
26	LILAC pilot study: Effects of metformin on mTOR activation and HIV reservoir persistence during antiretroviral therapy. EBioMedicine, 2021, 65, 103270.	2.7	46
27	Methamphetamine Use in HIV-infected Individuals Affects T-cell Function and Viral Outcome during Suppressive Antiretroviral Therapy. Scientific Reports, 2015, 5, 13179.	1.6	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. Aids, 2012, 26, 2285-2293.	1.0	44
29	On the steps of cell-to-cell HIV transmission between CD4 T cells. Retrovirology, 2009, 6, 89.	0.9	38
30	A cell-to-cell HIV transfer assay identifies humoral responses with broad neutralization activity. Vaccine, 2011, 29, 5250-5259.	1.7	38
31	Increased ex vivo cell death of central memory CD4 T cells in treated HIV infected individuals with unsatisfactory immune recovery. Journal of Translational Medicine, 2015, 13, 230.	1.8	33
32	Differential gene expression in HIV-infected individuals following ART. Antiviral Research, 2013, 100, 420-428.	1.9	32
33	Cell-free mitochondrial DNA in CSF is associated with early viral rebound, inflammation, and severity of neurocognitive deficits in HIV infection. Journal of NeuroVirology, 2016, 22, 191-200.	1.0	31
34	Standard vaccines increase HIV-1 transcription during antiretroviral therapy. Aids, 2016, 30, 2289-2298.	1.0	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. Journal of Antimicrobial Chemotherapy, 2013, 68, 2358-2362.	1.3	28
36	Effects of HIV/TAT protein expression and chronic selegiline treatment on spatial memory, reversal learning and neurotransmitter levels in mice. Behavioural Brain Research, 2016, 311, 131-140.	1.2	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. PLoS ONE, 2014, 9, e114142.	1.1	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. Journal of Virology, 2019, 93, .	1.5	27
39	Quantification of Total and 2-LTR (Long terminal repeat) HIV DNA, HIV RNA and Herpesvirus DNA in PBMCs. Bio-protocol, 2015, 5, .	0.2	26
40	Inducible HIV RNA transcription assays to measure HIV persistence: pros and cons of a compromise. Retrovirology, 2018, 15, 9.	0.9	25
41	Long-term effects of early antiretroviral initiation on HIV reservoir markers: a longitudinal analysis of the MERLIN clinical study. Lancet Microbe, The, 2021, 2, e198-e209.	3.4	24
42	Infrequent HIV Infection of Circulating Monocytes during Antiretroviral Therapy. Journal of Virology, 2019, 94, .	1.5	23
43	Assessing intra-lab precision and inter-lab repeatability of outgrowth assays of HIV-1 latent reservoir size. PLoS Computational Biology, 2019, 15, e1006849.	1.5	22
44	Dynamics of CD8 T-Cell Activation After Discontinuation of HIV Treatment Intensification. Journal of Acquired Immune Deficiency Syndromes (1999), 2013, 63, 152-160.	0.9	21
45	Adenosine Deaminase Enhances the Immunogenicity of Human Dendritic Cells from Healthy and HIV-Infected Individuals. PLoS ONE, 2012, 7, e51287.	1.1	21
46	Clinical course impacts early kinetics,magnitude, and amplitude of SARS-CoV-2 neutralizing antibodies beyond 1 year after infection. Cell Reports Medicine, 2022, 3, 100523.	3.3	18
47	Brief Report. Journal of Acquired Immune Deficiency Syndromes (1999), 2016, 72, 133-137.	0.9	17
48	Elevated humoral response to cytomegalovirus in HIV-infected individuals with poor CD4+ T-cell immune recovery. PLoS ONE, 2017, 12, e0184433.	1.1	17
49	Previous SARS-CoV-2 Infection Increases B.1.1.7 Cross-Neutralization by Vaccinated Individuals. Viruses, 2021, 13, 1135.	1.5	17
50	Changes in T-cell subsets in HIVâ€“HCV-coinfected patients during pegylated interferon-Î±2a plus ribavirin treatment. Antiviral Therapy, 2010, 15, 333-342.	0.6	16
51	Evaluation of the Aptima HIV-1 Quant Dx Assay for HIV-1 RNA Quantitation in Different Biological Specimen Types. Journal of Clinical Microbiology, 2017, 55, 2544-2553.	1.8	16
52	Attacking the HIV Reservoir from the Immune and Viral Perspective. Current HIV/AIDS Reports, 2013, 10, 33-41.	1.1	15
53	HIV exposed seronegative individuals show antibodies specifically recognizing native HIV envelope glycoprotein. Aids, 2013, 27, 1375-1385.	1.0	15
54	Improving HIV Outgrowth by Optimizing Cell-Culture Conditions and Supplementing With all-trans Retinoic Acid. Frontiers in Microbiology, 2020, 11, 902.	1.5	15

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55	Effect of Maraviroc Intensification on HIV-1-Specific T Cell Immunity in Recently HIV-1-Infected Individuals. PLoS ONE, 2014, 9, e87334.	1.1	15
56	Lack of concordance between residual viremia and viral variants driving de novo infection of CD4+ T cells on ART. Retrovirology, 2016, 13, 51.	0.9	14
57	SARS-CoV-2 Infection Modulates ACE2 Function and Subsequent Inflammatory Responses in Swabs and Plasma of COVID-19 Patients. Viruses, 2021, 13, 1715.	1.5	14
58	Viremic HIV Infected Individuals with High CD4 T Cells and Functional Envelope Proteins Show Anti-gp41 Antibodies with Unique Specificity and Function. PLoS ONE, 2012, 7, e30330.	1.1	13
59	Assessing main death pathways in T lymphocytes from HIV infected individuals. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2013, 83A, 648-658.	1.1	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. Clinical Infectious Diseases, 2021, 73, 427-438.	2.9	13
61	The reconstitution of the thymus in immunosuppressed individuals restores CD4â€specific cellular and humoral immune responses. Immunology, 2011, 133, 318-328.	2.0	12
62	Preserved immune functionality and high CMV-specific T-cell responses in HIV-infected individuals with poor CD4+ T-cell immune recovery. Scientific Reports, 2017, 7, 11711.	1.6	12
63	Memory B cell dysregulation in HIV-1-infected individuals. Aids, 2018, 32, 149-160.	1.0	11
64	Biomarker candidates for progression and clinical management of COVID-19 associated pneumonia at time of admission. Scientific Reports, 2022, 12, 640.	1.6	11
65	Antiretroviral therapy suppressed participants with low CD4+ T-cell counts segregate according to opposite immunological phenotypes. Aids, 2016, 30, 2275-2287.	1.0	10
66	Microstructural changes to the brain of mice after methamphetamine exposure as identified with diffusion tensor imaging. Psychiatry Research - Neuroimaging, 2016, 249, 27-37.	0.9	7
67	Brief Report. Journal of Acquired Immune Deficiency Syndromes (1999), 2017, 74, 201-205.	0.9	7
68	Critical Presentation of a Severe Acute Respiratory Syndrome Coronavirus 2 Reinfection: A Case Report. Open Forum Infectious Diseases, 2021, 8, ofab329.	0.4	7
69	Quantification of HIV RNA and Human Herpesvirus DNA in Seminal Plasma. Bio-protocol, 2015, 5, .	0.2	7
70	Reduced humoral response 3 months following BNT162b2 vaccination in SARS-CoV-2 uninfected residents of long-term care facilities. Age and Ageing, 2022, 51, .	0.7	7
71	Replication competence of virions induced from CD4+ lymphocytes latently infected with HIV. Retrovirology, 2019, 16, 4.	0.9	6
72	TL1Aâ€“DR3 Plasma Levels Are Predictive of HIV-1 Disease Control, and DR3 Costimulation Boosts HIV-1â€“Specific T Cell Responses. Journal of Immunology, 2020, 205, 3348-3357.	0.4	3

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73	Small form factor flow virometer for SARS-CoV-2. Biomedical Optics Express, 2022, 13, 1609.	1.5	3
74	Susceptibility of Human Lymphoid Tissue Cultured ex vivo to Xenotropic Murine Leukemia Virus-Related Virus (XMRV) Infection. PLoS ONE, 2012, 7, e37415.	1.1	2
75	Skewed Cellular Distribution and Low Activation of Functional T-Cell Responses in SARS-CoV-2 Non-Seroconvertors. Frontiers in Immunology, 2022, 13, .	2.2	2
76	A case cluster demonstrating the relationship between HLA concordance and virologic and disease outcomes in human immunodeficiency virus infection. Virology, 2014, 449, 104-108.	1.1	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. Vaccines, 2022, 10, 849.	2.1	1
78	Restricted infection of xenotropic murine leukemia virus-related virus in human lymphoid tissue. Retrovirology, 2011, 8, .	0.9	0
79	Analyses of Mitochondrial DNA and Immune Phenotyping Suggest Accelerated T-Cell Turnover in Treated HIV. Journal of Acquired Immune Deficiency Syndromes (1999), 2018, 79, 399-406.	0.9	0
80	Influence of the Antiretroviral Regimen on the Early Changes in Plasma HIV RNA and Immune Activation at Initiation of Antiretroviral Therapy in NaÃ¯ve HIV-1â€"Infected Patients. Journal of Acquired Immune Deficiency Syndromes (1999), 2021, 86, e146-e149.	0.9	0