

Maurizio Pm Federico

List of Publications by Year in descending order

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108
papers

3,232
citations

136885

32
h-index

175177

52
g-index

114
all docs

114
docs citations

114
times ranked

5876
citing authors

#	ARTICLE	IF	CITATIONS
1	Autophagy pathway intersects with HIV-1 biosynthesis and regulates viral yields in macrophages. <i>Journal of Cell Biology</i> , 2009, 186, 255-268.	2.3	446
2	Massive Secretion by T Cells Is Caused by HIV Nef in Infected Cells and by Nef Transfer to Bystander Cells. <i>Cell Host and Microbe</i> , 2009, 6, 218-230.	5.1	151
3	Exosomes from Human Immunodeficiency Virus Type 1 (HIV-1)-Infected Cells License Quiescent CD4 ⁺ T Lymphocytes To Replicate HIV-1 through a Nef- and ADAM17-Dependent Mechanism. <i>Journal of Virology</i> , 2014, 88, 11529-11539.	1.5	140
4	HIV-1 Nef Induces the Release of Inflammatory Factors from Human Monocyte/Macrophages: Involvement of Nef Endocytotic Signals and NF- κ B Activation. <i>Journal of Immunology</i> , 2003, 170, 1716-1727.	0.4	124
5	HIV-1 Nef activates STAT1 in human monocytes/macrophages through the release of soluble factors. <i>Blood</i> , 2001, 98, 2752-2761.	0.6	92
6	HIV Nef, Paxillin, and Pak1/2 Regulate Activation and Secretion of TACE/ADAM10 Proteases. <i>Molecular Cell</i> , 2013, 49, 668-679.	4.5	83
7	Latent HIV-1 is activated by exosomes from cells infected with either replication-competent or defective HIV-1. <i>Retrovirology</i> , 2015, 12, 87.	0.9	77
8	An Exosome-Based Vaccine Platform Imparts Cytotoxic T Lymphocyte Immunity Against Viral Antigens. <i>Biotechnology Journal</i> , 2018, 13, e1700443.	1.8	77
9	A strategy of antigen incorporation into exosomes: Comparing cross-presentation levels of antigens delivered by engineered exosomes and by lentiviral virus-like particles. <i>Vaccine</i> , 2012, 30, 7229-7237.	1.7	67
10	Human papillomavirus E6 and E7 oncoproteins affect the expression of cancer-related microRNAs: additional evidence in HPV-induced tumorigenesis. <i>Journal of Cancer Research and Clinical Oncology</i> , 2016, 142, 1751-1763.	1.2	61
11	Antitumor HPV E7-specific CTL activity elicited by in vivo engineered exosomes produced through DNA inoculation. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 4579-4591.	3.3	58
12	HIV-1 Tat Promotes Integrin-Mediated HIV Transmission to Dendritic Cells by Binding Env Spikes and Competes Neutralization by Anti-HIV Antibodies. <i>PLoS ONE</i> , 2012, 7, e48781.	1.1	56
13	The Multifaceted Functions of Exosomes in Health and Disease: An Overview. <i>Advances in Experimental Medicine and Biology</i> , 2017, 998, 3-19.	0.8	54
14	Cell activation and HIV-1 replication in unstimulated CD4 ⁺ T lymphocytes ingesting exosomes from cells expressing defective HIV-1. <i>Retrovirology</i> , 2014, 11, 46.	0.9	52
15	In Vitro Treatment of Human Monocytes/Macrophages with Myristoylated Recombinant Nef of Human Immunodeficiency Virus Type 1 Leads to the Activation of Mitogen-Activated Protein Kinases, I κ B Kinases, and Interferon Regulatory Factor 3 and to the Release of Beta Interferon. <i>Journal of Virology</i> , 2007, 81, 2777-2791.	1.5	51
16	HIV-1 Nef protects human-monocyte-derived macrophages from HIV-1-induced apoptosis. <i>Experimental Cell Research</i> , 2006, 312, 890-900.	1.2	50
17	Sequences within RNA coding for HIV-1 Gag p17 are efficiently targeted to exosomes. <i>Cellular Microbiology</i> , 2013, 15, 412-429.	1.1	49
18	Human immunodeficiency virus type 1 (HIV-1) Nef activates STAT3 in primary human monocyte/macrophages through the release of soluble factors: involvement of Nef domains interacting with the cell endocytotic machinery. <i>Journal of Leukocyte Biology</i> , 2003, 74, 821-832.	1.5	47

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19	Perturbed replication induced genome wide or at common fragile sites is differently managed in the absence of WRN. <i>Carcinogenesis</i> , 2012, 33, 1655-1663.	1.3	47
20	HPV-E7 Delivered by Engineered Exosomes Elicits a Protective CD8+ T Cell-Mediated Immune Response. <i>Viruses</i> , 2015, 7, 1079-1099.	1.5	47
21	HIV-1 Nef regulates the release of superoxide anions from human macrophages. <i>Biochemical Journal</i> , 2005, 390, 591-602.	1.7	41
22	<i>gag</i> , <i>vif</i> , and <i>nef</i> Genes Contribute to the Homologous Viral Interference Induced by a Nonproducer Human Immunodeficiency Virus Type 1 (HIV-1) Variant: Identification of Novel HIV-1-Inhibiting Viral Protein Mutants. <i>Journal of Virology</i> , 1998, 72, 4308-4319.	1.5	40
23	Inhibition of HIV-1 Replication in Monocyte-Derived Macrophages by <i>Mycobacterium tuberculosis</i> . <i>Journal of Infectious Diseases</i> , 2004, 189, 624-633.	1.9	39
24	Anti-tumor CD8+ T cell immunity elicited by HIV-1-based virus-like particles incorporating HPV-16 E7 protein. <i>Virology</i> , 2009, 395, 45-55.	1.1	39
25	HIV-1 Nef Enhances Both Membrane Expression and Virion Incorporation of Env Products. <i>Journal of Biological Chemistry</i> , 2004, 279, 22996-23006.	1.6	37
26	Cell Death Induced by the Herpes Simplex Virus-1 Thymidine Kinase Delivered by Human Immunodeficiency Virus-1-Based Virus-like Particles. <i>Molecular Therapy</i> , 2005, 12, 1185-1196.	3.7	37
27	T-tropic human immunodeficiency virus (HIV) type 1 Nef protein enters human monocyte macrophages and induces resistance to HIV replication: a possible mechanism of HIV T-tropic emergence in AIDS. <i>Journal of General Virology</i> , 2000, 81, 2905-2917.	1.3	37
28	Lentiviruses as gene delivery vectors. <i>Current Opinion in Biotechnology</i> , 1999, 10, 448-453.	3.3	36
29	Endogenous CCL2 neutralization restricts HIV-1 replication in primary human macrophages by inhibiting viral DNA accumulation. <i>Retrovirology</i> , 2015, 12, 4.	0.9	35
30	Anti-tumor effects of interferon in mice injected with interferon-sensitive and interferon-resistant friend leukemia cells. V. Comparisons with the action of tumor necrosis factor. <i>International Journal of Cancer</i> , 1986, 38, 771-778.	2.3	34
31	Nef from Human Immunodeficiency Virus Type 1 F12 Inhibits Viral Production and Infectivity. <i>Journal of Virology</i> , 2001, 75, 6601-6608.	1.5	34
32	Exosomes in Therapy: Engineering, Pharmacokinetics and Future Applications. <i>Current Drug Targets</i> , 2018, 20, 87-95.	1.0	34
33	Virological Consequences of Early Events following Cell-Cell Contact between Human Immunodeficiency Virus Type 1-Infected and Uninfected CD4 + Cells. <i>Journal of Virology</i> , 2008, 82, 7773-7789.	1.5	33
34	Homologous Superinfection of Both Producer and Nonproducer HIV-Infected Cells Is Blocked at a Late Retrotranscription Step. <i>Virology</i> , 1993, 194, 441-452.	1.1	32
35	<i>cis</i> Expression of the F12 Human Immunodeficiency Virus (HIV) Nef Allele Transforms the Highly Productive NL4-3 HIV Type 1 to a Replication-Defective Strain: Involvement of both Env gp41 and CD4 Intracytoplasmic Tails. <i>Journal of Virology</i> , 2000, 74, 483-492.	1.5	32
36	Genetic and functional analysis of the human immunodeficiency virus (HIV) type 1-inhibiting F12-HIVnef allele. <i>Journal of General Virology</i> , 2001, 82, 2735-2745.	1.3	32

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37	Anti-Cancer Vaccine for HPV-Associated Neoplasms: Focus on a Therapeutic HPV Vaccine Based on a Novel Tumor Antigen Delivery Method Using Endogenously Engineered Exosomes. <i>Cancers</i> , 2019, 11, 138.	1.7	30
38	Recovery of HIV-related Retroviruses From Italian Patients with AIDS or AIDS-related Complex and from Asymptomatic At-Risk Individuals. <i>Annals of the New York Academy of Sciences</i> , 1987, 511, 390-400.	1.8	29
39	Astrocytes contacting HIV-1-infected macrophages increase the release of CCL2 in response to the HIV-1-dependent enhancement of membrane-associated TNF α in macrophages. <i>Glia</i> , 2010, 58, 1893-1904.	2.5	29
40	Engineered exosomes emerging from muscle cells break immune tolerance to HER2 in transgenic mice and induce antigen-specific CTLs upon challenge by human dendritic cells. <i>Journal of Molecular Medicine</i> , 2018, 96, 211-221.	1.7	29
41	Biologic and Molecular Characterization of Producer and Nonproducer Clones from HUT-78 Cells Infected with a Patient HIV Isolate. <i>AIDS Research and Human Retroviruses</i> , 1989, 5, 385-396.	0.5	28
42	Lentivirus-Based Virus-Like Particles as a New Protein Delivery Tool. <i>Methods in Molecular Biology</i> , 2010, 614, 111-124.	0.4	28
43	miR-146a controls CXCR4 expression in a pathway that involves PLZF and can be used to inhibit HIV-1 infection of CD4+ T lymphocytes. <i>Virology</i> , 2015, 478, 27-38.	1.1	26
44	Human Immunodeficiency Virus (HIV)-Resistant CD4+ UT-7 Megakaryocytic Human Cell Line Becomes Highly HIV-1 and HIV-2 Susceptible Upon CXCR4 Transfection: Induction of Cell Differentiation by HIV-1 Infection. <i>Blood</i> , 1997, 89, 2670-2678.	0.6	24
45	Surface-bound Tat inhibits antigen-specific CD8+ T-cell activation in an integrin-dependent manner. <i>Aids</i> , 2014, 28, 2189-2200.	1.0	24
46	DNA Vectors Generating Engineered Exosomes Potential CTL Vaccine Candidates Against AIDS, Hepatitis B, and Tumors. <i>Molecular Biotechnology</i> , 2018, 60, 773-782.	1.3	24
47	T Lymphocytes Transduced with a Lentiviral Vector Expressing F12-vif Are Protected from HIV-1 Infection in an APOBEC3G-Independent Manner. <i>Molecular Therapy</i> , 2005, 12, 697-706.	3.7	20
48	Selective elimination of HIV-1-infected cells by Env-directed, HIV-1-based virus-like particles. <i>Virology</i> , 2006, 345, 115-126.	1.1	20
49	Macrophages Transmit Human Immunodeficiency Virus Type 1 Products to CD4-Negative Cells: Involvement of Matrix Metalloproteinase 9. <i>Journal of Virology</i> , 2007, 81, 9078-9087.	1.5	20
50	HIV-1 Nef induces p47 ^{phox} phosphorylation leading to a rapid superoxide anion release from the U937 human monoblastic cell line. <i>Journal of Cellular Biochemistry</i> , 2009, 106, 812-822.	1.2	20
51	Simultaneous CD8+ T-Cell Immune Response against SARS-Cov-2 S, M, and N Induced by Endogenously Engineered Extracellular Vesicles in Both Spleen and Lungs. <i>Vaccines</i> , 2021, 9, 240.	2.1	20
52	A recombinant retrovirus carrying a non-producer human immunodeficiency virus (HIV) type 1 variant induces resistance to superinfecting HIV. <i>Journal of General Virology</i> , 1993, 74, 2099-2110.	1.3	19
53	Incorporation of Heterologous Proteins in Engineered Exosomes. <i>Methods in Molecular Biology</i> , 2016, 1448, 249-260.	0.4	18
54	<p>The Intracellular Delivery Of Anti-HPV16 E7 scFvs Through Engineered Extracellular Vesicles Inhibits The Proliferation Of HPV-Infected Cells</p>. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 8755-8768.	3.3	18

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55	Strong CD8+ T cell antigenicity and immunogenicity of large foreign proteins incorporated in HIV-1 VLPs able to induce a Nef-dependent activation/maturation of dendritic cells. <i>Vaccine</i> , 2011, 29, 3465-3475.	1.7	17
56	Exploiting Manipulated Small Extracellular Vesicles to Subvert Immunosuppression at the Tumor Microenvironment through Mannose Receptor/CD206 Targeting. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6318.	1.8	17
57	Full expression of transfected nonproducer interfering HIV-1 proviral DNA abrogates susceptibility of human He-La CD4+ cells to HIV. <i>Virology</i> , 1995, 206, 76-84.	1.1	16
58	Generation and characterization of a stable cell population releasing fluorescent HIV-1-based Virus Like Particles in an inducible way. <i>BMC Biotechnology</i> , 2006, 6, 52.	1.7	16
59	The Contribution of Extracellular Nef to HIV-Induced Pathogenesis. <i>Current Drug Targets</i> , 2015, 17, 46-53.	1.0	16
60	Development of a novel human phage display-derived anti-LAG3 scFv antibody targeting CD8+ T lymphocyte exhaustion. <i>BMC Biotechnology</i> , 2019, 19, 67.	1.7	15
61	Interferons- β - and γ -Resistant Friend Cell Variants Exhibiting Receptor Sites for Interferons but No Induction of 2-5A Synthetase and 67K Protein Kinase. <i>Journal of Interferon Research</i> , 1988, 8, 113-127.	1.2	13
62	The CD8+ T Cell-Mediated Immunity Induced by HPV-E6 Uploaded in Engineered Exosomes Is Improved by ISCOMATRIX TM Adjuvant. <i>Vaccines</i> , 2016, 4, 42.	2.1	13
63	Vav exchange factor counteracts the HIV-1 Nef-mediated decrease of plasma membrane GM1 and NF-AT activity in T cells. <i>European Journal of Immunology</i> , 2003, 33, 2186-2196.	1.6	12
64	From Lentiviruses to Lentivirus Vectors. , 2003, 229, 3-15.		12
65	The ADAR1 editing enzyme is encapsidated into HIV-1 virions. <i>Virology</i> , 2015, 485, 475-480.	1.1	12
66	Interaction of HIV-1 with susceptible lymphoblastoid cells ¹ H NMR studies. <i>FEBS Letters</i> , 1991, 285, 11-16.	1.3	11
67	Extrachromosomal human immunodeficiency virus type 1 DNA forms in fresh peripheral blood lymphocytes and in two interleukin-2-independent T cell lines derived from peripheral blood lymphocytes of an asymptomatic seropositive subject. <i>Journal of General Virology</i> , 1992, 73, 3087-3097.	1.3	11
68	Trans-dissemination of exosomes from HIV-1-infected cells fosters both HIV-1 trans-infection in resting CD4+ T lymphocytes and reactivation of the HIV-1 reservoir. <i>Archives of Virology</i> , 2017, 162, 2565-2577.	0.9	11
69	Engineered Extracellular Vesicles/Exosomes as a New Tool against Neurodegenerative Diseases. <i>Pharmaceutics</i> , 2020, 12, 529.	2.0	11
70	Strong SARS-CoV-2 N-Specific CD8+ T Immunity Induced by Engineered Extracellular Vesicles Associates with Protection from Lethal Infection in Mice. <i>Viruses</i> , 2022, 14, 329.	1.5	11
71	Anti-HIV Viral Interference Induced by Retroviral Vectors Expressing a Nonproducer HIV-1 Variant. <i>Acta Haematologica</i> , 1996, 95, 199-203.	0.7	10
72	Hypoxia inhibits Moloney murine leukemia virus expression in activated macrophages. <i>Journal of Leukocyte Biology</i> , 2007, 81, 528-538.	1.5	10

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73	Engineered exosomes boost the HCV NS3-specific CD8+ T lymphocyte immunity in humans. <i>Trials in Vaccinology</i> , 2016, 5, 105-110.	1.2	10
74	Impairment of Human Immunodeficiency Virus Type 1 (HIV-1) Entry into Jurkat T Cells by Constitutive Expression of the HIV-1 Vpr Protein: Role of CD4 Down-Modulation. <i>Journal of Virology</i> , 2000, 74, 10207-10211.	1.5	9
75	Virus-Induced CD8+ T-Cell Immunity and Its Exploitation to Contain the SARS-CoV-2 Pandemic. <i>Vaccines</i> , 2021, 9, 922.	2.1	9
76	Cytogenetic analysis of human cells reveals specific patterns of DNA damage in replicative and oncogene-induced senescence. <i>Aging Cell</i> , 2013, 12, 312-315.	3.0	8
77	N-Terminal Fatty Acids of NEFMUT Are Required for the CD8+ T-Cell Immunogenicity of In Vivo Engineered Extracellular Vesicles. <i>Vaccines</i> , 2020, 8, 243.	2.1	8
78	DC contact with HIV-1-infected cells leads to high levels of Env-mediated virion endocytosis coupled with enhanced HIV-1 Ag presentation. <i>European Journal of Immunology</i> , 2009, 39, 404-416.	1.6	7
79	HIV-protease inhibitors block the replication of both vesicular stomatitis and influenza viruses at an early post-entry replication step. <i>Virology</i> , 2011, 417, 37-49.	1.1	7
80	2,5-Oligoadenylate Synthetase-Uninducible Alpha/Beta-Interferon-Resistant Friend Cells Develop an Antiviral State when Permeabilized with Lysolecithin and Treated with 2,5-Oligoadenylate Oligomers. <i>Journal of Interferon Research</i> , 1986, 6, 233-240.	1.2	6
81	Inducible Expression of the β -NGFr/F12Nef Fusion Protein as a New Tool for Anti-Human Immunodeficiency Virus Type 1 Gene Therapy. <i>Human Gene Therapy</i> , 2002, 13, 1751-1766.	1.4	6
82	Microarray Analysis Reveals CCL24/Eotaxin-2 as an Effector of the Pathogenetic Effects Induced by HIV-1 Nef. <i>Current Drug Discovery Technologies</i> , 2007, 4, 12-23.	0.6	6
83	Human immunodeficiency virus type 1 (HIV-1) protease inhibitors block cell-to-cell HIV-1 endocytosis in dendritic cells. <i>Journal of General Virology</i> , 2009, 90, 2777-2787.	1.3	6
84	Extracellular vesicle-mediated intercellular communication in HIV-1 infection and its role in the reservoir maintenance. <i>Cytokine and Growth Factor Reviews</i> , 2020, 51, 40-48.	3.2	6
85	The Non-Producer Phenotype of the Human Immunodeficiency Virus Type 1 Provirus F12/HIV-1 is the Result of Multiple Genetic Variations. <i>Journal of General Virology</i> , 1996, 77, 2009-2013.	1.3	5
86	Virus-like particles show promise as candidates for new vaccine strategies. <i>Future Virology</i> , 2010, 5, 371-374.	0.9	5
87	Testing anti-HIV activity of antiretroviral agents in vitro using flow cytometry analysis of CEM-GFP cells infected with transfection-derived HIV-1 NL4-3. <i>Journal of Medical Virology</i> , 2016, 88, 979-986.	2.5	5
88	Long-Term Antitumor CD8+ T Cell Immunity Induced by Endogenously Engineered Extracellular Vesicles. <i>Cancers</i> , 2021, 13, 2263.	1.7	5
89	The HIV-1 Nef Protein: How An AIDS Pathogenetic Factor Turns to a Tool for Combating AIDS. <i>Current Drug Targets Immune, Endocrine and Metabolic Disorders</i> , 2004, 4, 19-27.	1.8	5
90	Natural resistance in mice against friend leukemia cells. <i>Cellular Immunology</i> , 1986, 98, 230-237.	1.4	4

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91	HIV variability and perspectives for a vaccine. <i>Vaccine</i> , 1993, 11, 542-544.	1.7	4
92	From virus-like particles to engineered exosomes for a new generation of vaccines. <i>Future Virology</i> , 2012, 7, 473-482.	0.9	4
93	Tumor cells endowed with professional antigen-presenting cell functions prime PBLs to generate antitumor CTLs. <i>Journal of Molecular Medicine</i> , 2019, 97, 1139-1153.	1.7	4
94	The C-Terminal Domain of Nefmut Is Dispensable for the CD8+ T Cell Immunogenicity of In Vivo Engineered Extracellular Vesicles. <i>Vaccines</i> , 2021, 9, 373.	2.1	4
95	Biological and Immune Responses to Current Anti-SARS-CoV-2 mRNA Vaccines beyond Anti-Spike Antibody Production. <i>Journal of Immunology Research</i> , 2022, 2022, 1-7.	0.9	4
96	Activation of Anti-SARS-CoV-2 Human CTLs by Extracellular Vesicles Engineered with the N Viral Protein. <i>Vaccines</i> , 2022, 10, 1060.	2.1	4
97	LETTERS TO THE EDITOR. <i>AIDS Research</i> , 1986, 2, 267-269.	0.5	3
98	Opposite effects of murine interferons on erythroid differentiation of friend cells. <i>Virology</i> , 1988, 167, 185-193.	1.1	3
99	Targeting the Nef Induced Increase of HIV Infectivity. <i>Current Drug Targets Immune, Endocrine and Metabolic Disorders</i> , 2004, 4, 321-326.	1.8	3
100	The Activity of Matrix Metalloproteinase-9 is Part of the Mechanism of Cell-to-Cell HIV-1 Endocytosis in Dendritic Cells. <i>Current Drug Discovery Technologies</i> , 2011, 8, 112-118.	0.6	2
101	Role of the HIV-1 regulatory protein Nef. <i>Future HIV Therapy</i> , 2008, 2, 37-45.	0.5	1
102	Uncovering the role of defective HIV-1 in spreading viral infection. <i>Future Virology</i> , 2015, 10, 371-381.	0.9	1
103	A Replication-Deficient Human Immunodeficiency Virus-1 Genome as an Interference-Inducing Provirus. <i>Antibiotics and Chemotherapy</i> , 1996, 48, 217-225.	0.5	0
104	HIV Impairs CD34+ Derived Monocytic Precursor Differentiation into Functional Dendritic Cells. <i>International Journal of Immunopathology and Pharmacology</i> , 2013, 26, 717-724.	1.0	0
105	HIV-1-infected cells transiently express lentiviral RNA shuttled by exosomes. <i>Future Virology</i> , 2014, 9, 111-121.	0.9	0
106	Editorial (Thematic Issue: Extra-Cellular Factors as New Anti-HIV Therapeutic Target). <i>Current Drug Targets</i> , 2015, 17, 3-3.	1.0	0
107	Autophagy pathway intersects with HIV-1 biosynthesis and regulates viral yields in macrophages. <i>Journal of Experimental Medicine</i> , 2009, 206, i16-i16.	4.2	0
108	Extracellular Vesicles and Their Use as Vehicles of Immunogens. <i>Methods in Molecular Biology</i> , 2022, 2504, 177-198.	0.4	0