

# Beatrice Macchi

## List of Publications by Citations

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84  
papers

1,550  
citations

23  
h-index

35  
g-index

89  
ext. papers

1,715  
ext. citations

6.6  
avg, IF

4.19  
L-index

#	Paper	IF	Citations
84	Reducing the global burden of HTLV-1 infection: An agenda for research and action. <i>Antiviral Research</i> , <b>2017</b> , 137, 41-48	10.8	81
83	Synthesis of phosphonated carbocyclic 2Roxa-3Raza-nucleosides: novel inhibitors of reverse transcriptase. <i>Journal of Medicinal Chemistry</i> , <b>2005</b> , 48, 1389-94	8.3	69
82	Transformation of different phenotypic types of human bone marrow T-lymphocytes by HTLV-1. <i>International Journal of Cancer</i> , <b>1984</b> , 33, 13-7	7.5	69
81	Inflammatory and cell death pathways in brain and peripheral blood in Parkinson's disease. <i>CNS and Neurological Disorders - Drug Targets</i> , <b>2015</b> , 14, 313-24	2.6	59
80	Impaired apoptosis in mitogen-stimulated lymphocytes of patients with multiple sclerosis. <i>NeuroReport</i> , <b>1999</b> , 10, 399-402	1.7	58
79	Antiviral activity of seed extract from Citrus bergamia towards human retroviruses. <i>Bioorganic and Medicinal Chemistry</i> , <b>2011</b> , 19, 2084-9	3.4	52
78	Phosphonated carbocyclic 2Roxa-3Razanucleosides as new antiretroviral agents. <i>Journal of Medicinal Chemistry</i> , <b>2007</b> , 50, 3747-50	8.3	46
77	Lymphoid cell-glioma cell interaction enhances cell coat production by human gliomas: novel suppressor mechanism. <i>Science</i> , <b>1983</b> , 220, 739-42	33.3	45
76	The novel proapoptotic activity of nonnatural enantiomer of Lentiginosine. <i>Glycobiology</i> , <b>2010</b> , 20, 500-6;8	6.8	40
75	In situ hybridization of human immunodeficiency virus (HTLV-III) in cryostat sections of lymph nodes of lymphadenopathy syndrome patients. <i>Journal of Medical Virology</i> , <b>1987</b> , 22, 135-42	19.7	37
74	Stereoselective synthesis and biological evaluations of novel 3Rdeoxy-4Razaribonucleosides as inhibitors of hepatitis C virus RNA replication. <i>Journal of Medicinal Chemistry</i> , <b>2009</b> , 52, 4054-7	8.3	35
73	Effect of phosphonated carbocyclic 2Roxa-3Raza-nucleoside on human T-cell leukemia virus type 1 infection in vitro. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2008</b> , 52, 54-64	5.9	33
72	Increased caspase activation in peripheral blood mononuclear cells of patients with Alzheimer's disease. <i>Experimental Neurology</i> , <b>2004</b> , 190, 254-62	5.7	33
71	Susceptibility of primary HTLV-1 isolates from patients with HTLV-1-associated myelopathy to reverse transcriptase inhibitors. <i>Viruses</i> , <b>2011</b> , 3, 469-83	6.2	32
70	Role of inflammation and apoptosis in multiple sclerosis: Comparative analysis between the periphery and the central nervous system. <i>Journal of Neuroimmunology</i> , <b>2015</b> , 287, 80-7	3.5	30
69	Emergence of double-positive CD4/CD8 cells from adult peripheral blood mononuclear cells infected with human T cell leukemia virus type I (HTLV-I). <i>Cellular Immunology</i> , <b>1993</b> , 149, 376-89	4.4	29
68	Screening transplant donors for HTLV-1 and -2. <i>Blood</i> , <b>2016</b> , 128, 3029-3031	2.2	28

67	Effect of lamivudine on transmission of human T-cell lymphotropic virus type 1 to adult peripheral blood mononuclear cells in vitro. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2002</b> , 46, 3080-3	5.9	26
66	Dysregulated NF- $\kappa$ B pathway in peripheral mononuclear cells of Alzheimer's disease patients. <i>Current Alzheimer Research</i> , <b>2012</b> , 9, 128-37	3	25
65	Thymosin alpha 1 and HIV-1: recent advances and future perspectives. <i>Future Microbiology</i> , <b>2017</b> , 12, 141-155	2.9	24
64	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> , <b>1989</b> , 5, 385-96	1.6	24
63	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> , <b>1987</b> , 511, 390-400	6.5	24
62	D(-)lentiginosine-induced apoptosis involves the intrinsic pathway and is p53-independent. <i>Cell Death and Disease</i> , <b>2012</b> , 3, e358	9.8	23
61	Truncated phosphonated C-1 $\beta$ -branched N,O-nucleosides: a new class of antiviral agents. <i>Bioorganic and Medicinal Chemistry</i> , <b>2012</b> , 20, 3652-7	3.4	22
60	Truncated reverse isoxazolidinyl nucleosides: a new class of allosteric HIV-1 reverse transcriptase inhibitors. <i>ChemMedChem</i> , <b>2012</b> , 7, 565-9	3.7	22
59	Biomolecular Fishing for Calixarene Partners by a Chemoproteomic Approach. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 15405-9	16.4	20
58	Efficacy of 3'-azido-2',3'-dideoxythymidine (AZT) in preventing HTLV-1 transmission to human cord blood mononuclear cells. <i>Virus Research</i> , <b>2001</b> , 78, 67-78	6.4	19
57	Spontaneous and anti-Fas-induced apoptosis in lymphocytes from HIV-infected patients undergoing highly active anti-retroviral therapy. <i>Aids</i> , <b>2000</b> , 14, 939-49	3.5	18
56	Decline of natural cytotoxicity of human lymphocytes following infection with human T-cell leukemia/lymphoma virus (HTLV). <i>Leukemia Research</i> , <b>1985</b> , 9, 349-55	2.7	18
55	Synthesis and biological evaluation of phosphonated dihydroisoxazole nucleosides. <i>Bioorganic and Medicinal Chemistry</i> , <b>2006</b> , 14, 3818-24	3.4	17
54	In vitro susceptibility of different human T-cell subpopulations and resistance of large granular lymphocytes to HTLV-I infection. <i>International Journal of Cancer</i> , <b>1987</b> , 40, 1-6	7.5	17
53	Quantification of HTLV-1 reverse transcriptase activity in ATL patients treated with zidovudine and interferon- $\beta$ . <i>Blood Advances</i> , <b>2017</b> , 1, 748-752	7.8	16
52	Effects of nucleoside-based antiretroviral chemotherapy on human T cell leukaemia/lymphotropic virus type 1 (HTLV-1) infection in vitro. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2003</b> , 51, 1327-30	5.1	16
51	Characterization of the enhanced apoptotic response to azidothymidine by pharmacological inhibition of NF- $\kappa$ B. <i>Life Sciences</i> , <b>2015</b> , 127, 90-7	6.8	15
50	Inhibition of NF- $\kappa$ B activation sensitizes U937 cells to 3'-azido-2',3'-dideoxythymidine induced apoptosis. <i>Cell Death and Disease</i> , <b>2010</b> , 1, e81	9.8	15

49	Protective effect of the acyclic nucleoside phosphonate tenofovir toward human T-cell leukemia/lymphotropic virus type 1 infection of human peripheral blood mononuclear cells in vitro. <i>Antiviral Research</i> , <b>2005</b> , 68, 154-62	10.8	15
48	Pyrimidine 2,4-Diones in the Design of New HIV RT Inhibitors. <i>Molecules</i> , <b>2019</b> , 24,	4.8	14
47	Downregulation of proinflammatory cytokines in HTLV-1-infected T cells by Resveratrol. <i>Journal of Experimental and Clinical Cancer Research</i> , <b>2016</b> , 35, 118	12.8	14
46	HSV-1-induced activation of NF- $\kappa$ B protects U937 monocytic cells against both virus replication and apoptosis. <i>Cell Death and Disease</i> , <b>2016</b> , 7, e2354	9.8	13
45	( $\beta$ -(1R,2R,7S,8aR)-1,2,7-Trihydroxyindolizidine ( $\beta$ -7S-OH-Lentiginosine): Synthesis and Proapoptotic Activity. <i>ChemPlusChem</i> , <b>2012</b> , 77, 224-233	2.8	13
44	HIV genome in peripheral blood mononuclear cells of seronegative regular sexual partners of HIV-infected subjects. <i>Journal of Medical Virology</i> , <b>1989</b> , 28, 209-14	19.7	13
43	Inhibition of cell-to-cell transmission of human T-cell lymphotropic virus type 1 in vitro by carbohydrate-binding agents. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2008</b> , 52, 2771-9	5.9	11
42	Apoptosis-associated gene expression in HIV-infected patients in response to successful antiretroviral therapy. <i>Journal of Medical Virology</i> , <b>2007</b> , 79, 111-7	19.7	11
41	3-Amino-2(5H)furanones as inhibitors of subgenomic hepatitis C virus RNA replication. <i>Bioorganic and Medicinal Chemistry</i> , <b>2008</b> , 16, 9610-5	3.4	11
40	Telomerase activity of human peripheral blood mononuclear cells in the course of HTLV type 1 infection in vitro. <i>AIDS Research and Human Retroviruses</i> , <b>2002</b> , 18, 249-51	1.6	11
39	Effect of human T lymphotropic retrovirus-I exposure on cultured human glioma cell lines. <i>Acta Neuropathologica</i> , <b>1991</b> , 81, 670-4	14.3	11
38	Antiretroviral Therapy in HTLV-1 Infection: An Updated Overview. <i>Pathogens</i> , <b>2020</b> , 9,	4.5	10
37	Inflammation and programmed cell death in Alzheimer's disease: comparison of the central nervous system and peripheral blood. <i>Molecular Neurobiology</i> , <b>2014</b> , 50, 463-72	6.2	10
36	Lamivudine resistance in human T-cell leukemia virus type 1 may be due to a polymorphism at codon 118 (V-->I) of the reverse transcriptase. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2003</b> , 47, 1774;author reply 1774-5	5.9	10
35	Pharmacological and biological aspects of basic research on nucleoside-based reverse transcriptase inhibitors. <i>Pharmacological Research</i> , <b>2002</b> , 46, 473-82	10.2	10
34	In vitro infection of CD4+ T lymphocytes with HTLV-I generates immortalized cell lines coexpressing lymphoid and myeloid cell markers. <i>Leukemia</i> , <b>1999</b> , 13, 222-9	10.7	10
33	A novel, cell-free PCR-based assay for evaluating the inhibitory activity of antiretroviral compounds against HIV reverse transcriptase. <i>Journal of Medical Virology</i> , <b>2014</b> , 86, 1-7	19.7	9
32	Effector caspase activation, in the absence of a conspicuous apoptosis induction, in mononuclear cells treated with azidothymidine. <i>Pharmacological Research</i> , <b>2009</b> , 59, 125-33	10.2	9

31	Inverse correlation between CD8+ lymphocyte apoptosis and CD4+ cell counts during potent antiretroviral therapy in HIV patients. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2004</b> , 53, 494-500	5.1	9
30	NF-B-Dependent Production of ROS and Restriction of HSV-1 Infection in U937 Monocytic Cells. <i>Viruses</i> , <b>2019</b> , 11,	6.2	8
29	Thymosin $\beta$ potentiates the release by CD8(+) cells of soluble factors able to inhibit HIV-1 and human T lymphotropic virus 1 infection in vitro. <i>Expert Opinion on Biological Therapy</i> , <b>2015</b> , 15 Suppl 1, S83-100	5.4	8
28	Future Perspectives on Drug Targeting in Adult T Cell Leukemia-Lymphoma. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 925	5.7	8
27	Development and evaluation of a simple and effective RT-qPCR inhibitory assay for detection of the efficacy of compounds towards HIV reverse transcriptase. <i>Applied Microbiology and Biotechnology</i> , <b>2017</b> , 101, 8249-8258	5.7	7
26	Enantiomerically pure phosphonated carbocyclic 2Roxa-3Razanucleosides: synthesis and biological evaluation. <i>Molecules</i> , <b>2014</b> , 19, 14406-16	4.8	7
25	Defective Fas ligand production in lymphocytes from MS patients. <i>NeuroReport</i> , <b>2001</b> , 12, 4113-6	1.7	7
24	Transient HTLV-I infection of a human glioma cell line following cell-free exposure. <i>Virology</i> , <b>1993</b> , 197, 767-9	3.6	7
23	N,O-Nucleosides from Ene Reaction of (Nitrosocarbonyl)mesitylene with Crotyl Alcohol: Selectivity, Scope, and Limitations. <i>Synthesis</i> , <b>2017</b> , 49, 1972-1982	2.9	6
22	Approaches towards the synthesis of 7-halo-1,2-dihydroxyindolizidines (7-halolentiginosines) thwarting Grob fragmentation processes. <i>Tetrahedron</i> , <b>2015</b> , 71, 5806-5813	2.4	5
21	Phosphonated Nucleoside Analogues as Antiviral Agents. <i>Topics in Medicinal Chemistry</i> , <b>2013</b> , 53-91	0.4	5
20	Mononuclear cells from peripheral blood of adult donors and from cord blood are equally protected by alpha- and beta-interferons against infection with HTLV-I. <i>Pharmacological Research</i> , <b>1990</b> , 22, 503-14	10.2	5
19	Modulation of apoptosis during HTLV-1-mediated immortalization process in vitro. <i>Journal of Medical Virology</i> , <b>2004</b> , 74, 473-83	19.7	4
18	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> , <b>2016</b> , 88, 979-86	19.7	4
17	Synthesis of potential HIV integrase inhibitors inspired by natural polyphenol structures. <i>Natural Product Research</i> , <b>2018</b> , 32, 1893-1901	2.3	3
16	Ene Reaction of Nitrosocarbonyl Mesitylene with the Cinnamyl Alcohol: Metabolic Activity and Apoptosis of the Synthetized 6-Chloropurine N,O-Nucleoside Analogues. <i>ACS Omega</i> , <b>2018</b> , 3, 7621-7629 <sup>3.9</sup>	3.9	3
15	Apoptotic cell signaling in lymphocytes from HIV+ patients during successful therapy. <i>Annals of the New York Academy of Sciences</i> , <b>2006</b> , 1090, 130-7	6.5	3
14	CD4+ lymphocyte increases in HIV patients during potent antiretroviral therapy are dependent on inhibition of CD8+ cell apoptosis. <i>Annals of the New York Academy of Sciences</i> , <b>2003</b> , 1010, 560-4	6.5	3

13	Correlation between P19 presence and MHC class II expression in human fetal astroglial cells cocultured with HTLV-I donor cells. <i>International Journal of Developmental Neuroscience</i> , <b>1992</b> , 10, 231-41	2.7	3
12	Protective effect of interferon beta on human T cell leukaemia virus type I infection of CD4+ T cells isolated from human cord blood. <i>Cancer Immunology, Immunotherapy</i> , <b>1993</b> , 37, 97-104	7.4	3
11	HBV and HIV expression in lymph nodes of HIV positive LAS patients: histology and in situ hybridization. <i>Molecular and Cellular Probes</i> , <b>1989</b> , 3, 125-32	3.3	3
10	Programmed cell death and natural killer cells in multiple sclerosis: new potential therapeutic targets?. <i>Neural Regeneration Research</i> , <b>2016</b> , 11, 733-4	4.5	3
9	Synthesis of biotin and fluorescein labeled (R)-lentiginosine. <i>Arkivoc</i> , <b>2014</b> , 2014, 215-227	0.9	3
8	Focus on recently developed assays for detection of resistance/sensitivity to reverse transcriptase inhibitors. <i>Applied Microbiology and Biotechnology</i> , <b>2018</b> , 102, 9925-9936	5.7	3
7	Inhibition of I $\beta$ phosphorylation potentiates regulated cell death induced by azidothymidine in HTLV-1 infected cells. <i>Cell Death Discovery</i> , <b>2020</b> , 6, 9	6.9	2
6	Simple and efficient synthesis of benzofuran derivatives from tyrosol. <i>Synthetic Communications</i> , <b>2016</b> , 46, 242-248	1.7	2
5	Changes in apoptosis after interruption of potent antiretroviral therapy in patients with maximal HIV-1-RNA suppression. <i>Aids</i> , <b>2001</b> , 15, 1178-81	3.5	2
4	Installing tungsten Fischer carbene complexes into a calixarene framework. <i>RSC Advances</i> , <b>2016</b> , 6, 75003-75005	3.7	2
3	Synthesis, molecular modeling and biological evaluation of two new chicoric acid analogs. <i>Natural Product Research</i> , <b>2017</b> , 31, 397-403	2.3	1
2	-Nucleoside Analogues: Metabolic and Apoptotic Activity. <i>ChemistryOpen</i> , <b>2020</b> , 9, 519-528	2.3	1
1	Comparison of membrane-associated proteins of murine cytolytic and helper cloned T-cell lines: identification of a protein, p24, prominent in membrane fractions from cytolytic but not helper T-cells. <i>Molecular Immunology</i> , <b>1985</b> , 22, 741-55	4.3	