Beatrice Macchi

List of Publications by Year in Descending Order

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	Antiretroviral Therapy in HTLV-1 Infection: An Updated Overview. *Pathogens*, **2020**, 9,	4.5	10
83	Inhibition of IB phosphorylation potentiates regulated cell death induced by azidothymidine in HTLV-1 infected cells. *Cell Death Discovery*, **2020**, 6, 9	6.9	2
82	-Nucleoside Analogues: Metabolic and Apoptotic Activity. *ChemistryOpen*, **2020**, 9, 519-528	2.3	1
81	NF-B-Dependent Production of ROS and Restriction of HSV-1 Infection in U937 Monocytic Cells. *Viruses*, **2019**, 11,	6.2	8
80	Pyrimidine 2,4-Diones in the Design of New HIV RT Inhibitors. *Molecules*, **2019**, 24,	4.8	14
79	Synthesis of potential HIV integrase inhibitors inspired by natural polyphenol structures. *Natural Product Research*, **2018**, 32, 1893-1901	2.3	3
78	Future Perspectives on Drug Targeting in Adult T Cell Leukemia-Lymphoma. *Frontiers in Microbiology*, **2018**, 9, 925	5.7	8
77	Ene Reaction of Nitrosocarbonyl Mesitylene with the Cinnamyl Alcohol: Metabolic Activity and Apoptosis of the Synthetized 6-Chloropurine N,O-Nucleoside Analogues. *ACS Omega*, **2018**, 3, 7621-7629	3.9	3
76	Focus on recently developed assays for detection of resistance/sensitivity to reverse transcriptase inhibitors. *Applied Microbiology and Biotechnology*, **2018**, 102, 9925-9936	5.7	3
75	Synthesis, molecular modeling and biological evaluation of two new chicoric acid analogs. *Natural Product Research*, **2017**, 31, 397-403	2.3	1
74	Thymosin alpha 1 and HIV-1: recent advances and future perspectives. *Future Microbiology*, **2017**, 12, 141-155	2.9	24
73	N,O-Nucleosides from Ene Reaction of (Nitrosocarbonyl)mesitylene with Crotyl Alcohol: Selectivity, Scope, and Limitations. *Synthesis*, **2017**, 49, 1972-1982	2.9	6
72	Development and evaluation of a simple and effective RT-qPCR inhibitory assay for detection of the efficacy of compounds towards HIV reverse transcriptase. *Applied Microbiology and Biotechnology*, **2017**, 101, 8249-8258	5.7	7
71	Reducing the global burden of HTLV-1 infection: An agenda for research and action. *Antiviral Research*, **2017**, 137, 41-48	10.8	81
70	Quantification of HTLV-1 reverse transcriptase activity in ATL patients treated with zidovudine and interferon- *Blood Advances*, **2017**, 1, 748-752	7.8	16
69	HSV-1-induced activation of NF-B protects U937 monocytic cells against both virus replication and apoptosis. *Cell Death and Disease*, **2016**, 7, e2354	9.8	13
68	Simple and efficient synthesis of benzofuran derivatives from tyrosol. *Synthetic Communications*, **2016**, 46, 242-248	1.7	2

67	Programmed cell death and natural killer cells in multiple sclerosis: new potential therapeutic targets?. *Neural Regeneration Research*, **2016**, 11, 733-4	4.5	3
66	Downregulation of proinflammatory cytokines in HTLV-1-infected T cells by Resveratrol. *Journal of Experimental and Clinical Cancer Research*, **2016**, 35, 118	12.8	14
65	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. *Journal of Medical Virology*, **2016**, 88, 979-86	19.7	4
64	Screening transplant donors for HTLV-1 and -2. *Blood*, **2016**, 128, 3029-3031	2.2	28
63	Installing tungsten Fischer carbene complexes into a calixarene framework. *RSC Advances*, **2016**, 6, 75002-75005	3.7	5
62	Thymosin 1 potentiates the release by CD8(+) cells of soluble factors able to inhibit HIV-1 and human T lymphotropic virus 1 infection in vitro. *Expert Opinion on Biological Therapy*, **2015**, 15 Suppl 1, S83-100	5.4	8
61	Approaches towards the synthesis of 7-halo-1,2-dihydroxyindolizidines (7-halolentiginosines) thwarting Grob fragmentation processes. *Tetrahedron*, **2015**, 71, 5806-5813	2.4	5
60	Role of inflammation and apoptosis in multiple sclerosis: Comparative analysis between the periphery and the central nervous system. *Journal of Neuroimmunology*, **2015**, 287, 80-7	3.5	30
59	Biomolecular Fishing for Calixarene Partners by a Chemoproteomic Approach. *Angewandte Chemie - International Edition*, **2015**, 54, 15405-9	16.4	20
58	Characterization of the enhanced apoptotic response to azidothymidine by pharmacological inhibition of NF-kB. *Life Sciences*, **2015**, 127, 90-7	6.8	15
57	Inflammatory and cell death pathways in brain and peripheral blood in Parkinson's disease. *CNS and Neurological Disorders - Drug Targets*, **2015**, 14, 313-24	2.6	59
56	Enantiomerically pure phosphonated carbocyclic 2'-oxa-3'-azanucleosides: synthesis and biological evaluation. *Molecules*, **2014**, 19, 14406-16	4.8	7
55	A novel, cell-free PCR-based assay for evaluating the inhibitory activity of antiretroviral compounds against HIV reverse transcriptase. *Journal of Medical Virology*, **2014**, 86, 1-7	19.7	9
54	Inflammation and programmed cell death in Alzheimer's disease: comparison of the central nervous system and peripheral blood. *Molecular Neurobiology*, **2014**, 50, 463-72	6.2	10
53	Synthesis of biotin and fluorescein labeled (1)-lentiginosine. *Arkivoc*, **2014**, 2014, 215-227	0.9	3
52	Phosphonated Nucleoside Analogues as Antiviral Agents. *Topics in Medicinal Chemistry*, **2013**, 53-91	0.4	5
51	Truncated phosphonated C-1'-branched N,O-nucleosides: a new class of antiviral agents. *Bioorganic and Medicinal Chemistry*, **2012**, 20, 3652-7	3.4	22
50	Truncated reverse isoxazolidinyl nucleosides: a new class of allosteric HIV-1 reverse transcriptase inhibitors. *ChemMedChem*, **2012**, 7, 565-9	3.7	22

49	(+)-(1R,2R,7S,8aR)-1,2,7-Trihydroxyindolizidine ((+)-7S-OH-Lentiginosine): Synthesis and Proapoptotic Activity. *ChemPlusChem*, **2012**, 77, 224-233	2.8	13
48	D(-)lentiginosine-induced apoptosis involves the intrinsic pathway and is p53-independent. *Cell Death and Disease*, **2012**, 3, e358	9.8	23
47	Dysregulated NF-B pathway in peripheral mononuclear cells of Alzheimer's disease patients. *Current Alzheimer Research*, **2012**, 9, 128-37	3	25
46	Antiviral activity of seed extract from Citrus bergamia towards human retroviruses. *Bioorganic and Medicinal Chemistry*, **2011**, 19, 2084-9	3.4	52
45	Susceptibility of primary HTLV-1 isolates from patients with HTLV-1-associated myelopathy to reverse transcriptase inhibitors. *Viruses*, **2011**, 3, 469-83	6.2	32
44	The novel proapoptotic activity of nonnatural enantiomer of Lentiginosine. *Glycobiology*, **2010**, 20, 500-6	5.8	40
43	Inhibition of NF-B activation sensitizes U937 cells to 3'-azido-3'-deoxythymidine induced apoptosis. *Cell Death and Disease*, **2010**, 1, e81	9.8	15
42	Stereoselective synthesis and biological evaluations of novel 3'-deoxy-4'-azaribonucleosides as inhibitors of hepatitis C virus RNA replication. *Journal of Medicinal Chemistry*, **2009**, 52, 4054-7	8.3	35
41	Effector caspase activation, in the absence of a conspicuous apoptosis induction, in mononuclear cells treated with azidothymidine. *Pharmacological Research*, **2009**, 59, 125-33	10.2	9
40	Inhibition of cell-to-cell transmission of human T-cell lymphotropic virus type 1 in vitro by carbohydrate-binding agents. *Antimicrobial Agents and Chemotherapy*, **2008**, 52, 2771-9	5.9	11
39	Effect of phosphonated carbocyclic 2'-oxa-3'-aza-nucleoside on human T-cell leukemia virus type 1 infection in vitro. *Antimicrobial Agents and Chemotherapy*, **2008**, 52, 54-64	5.9	33
38	3-Amino-2(5H)furanones as inhibitors of subgenomic hepatitis C virus RNA replication. *Bioorganic and Medicinal Chemistry*, **2008**, 16, 9610-5	3.4	11
37	Apoptosis-associated gene expression in HIV-infected patients in response to successful antiretroviral therapy. *Journal of Medical Virology*, **2007**, 79, 111-7	19.7	11
36	Phosphonated carbocyclic 2'-oxa-3'-azanucleosides as new antiretroviral agents. *Journal of Medicinal Chemistry*, **2007**, 50, 3747-50	8.3	46
35	Synthesis and biological evaluation of phosphonated dihydroisoxazole nucleosides. *Bioorganic and Medicinal Chemistry*, **2006**, 14, 3818-24	3.4	17
34	Apoptotic cell signaling in lymphocytes from HIV+ patients during successful therapy. *Annals of the New York Academy of Sciences*, **2006**, 1090, 130-7	6.5	3
33	Synthesis of phosphonated carbocyclic 2'-oxa-3'-aza-nucleosides: novel inhibitors of reverse transcriptase. *Journal of Medicinal Chemistry*, **2005**, 48, 1389-94	8.3	69
32	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. *Antiviral Research*, **2005**, 68, 154-62	10.8	15

31	Inverse correlation between CD8+ lymphocyte apoptosis and CD4+ cell counts during potent antiretroviral therapy in HIV patients. *Journal of Antimicrobial Chemotherapy*, **2004**, 53, 494-500	5.1	9
30	Modulation of apoptosis during HTLV-1-mediated immortalization process in vitro. *Journal of Medical Virology*, **2004**, 74, 473-83	19.7	4
29	Increased caspase activation in peripheral blood mononuclear cells of patients with Alzheimer's disease. *Experimental Neurology*, **2004**, 190, 254-62	5.7	33
28	Effects of nucleoside-based antiretroviral chemotherapy on human T cell leukaemia/lymphotropic virus type 1 (HTLV-1) infection in vitro. *Journal of Antimicrobial Chemotherapy*, **2003**, 51, 1327-30	5.1	16
27	CD4+ lymphocyte increases in HIV patients during potent antiretroviral therapy are dependent on inhibition of CD8+ cell apoptosis. *Annals of the New York Academy of Sciences*, **2003**, 1010, 560-4	6.5	3
26	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. *Antimicrobial Agents and Chemotherapy*, **2003**, 47, 1774;author reply 1774-5	5.9	10
25	Effect of lamivudine on transmission of human T-cell lymphotropic virus type 1 to adult peripheral blood mononuclear cells in vitro. *Antimicrobial Agents and Chemotherapy*, **2002**, 46, 3080-3	5.9	26
24	Pharmacological and biological aspects of basic research on nucleoside-based reverse transcriptase inhibitors. *Pharmacological Research*, **2002**, 46, 473-82	10.2	10
23	Telomerase activity of human peripheral blood mononuclear cells in the course of HTLV type 1 infection in vitro. *AIDS Research and Human Retroviruses*, **2002**, 18, 249-51	1.6	11
22	Efficacy of 3'-azido 3'-deoxythymidine (AZT) in preventing HTLV-1 transmission to human cord blood mononuclear cells. *Virus Research*, **2001**, 78, 67-78	6.4	19
21	Defective Fas ligand production in lymphocytes from MS patients. *NeuroReport*, **2001**, 12, 4113-6	1.7	7
20	Changes in apoptosis after interruption of potent antiretroviral therapy in patients with maximal HIV-1-RNA suppression. *Aids*, **2001**, 15, 1178-81	3.5	2
19	Spontaneous and anti-Fas-induced apoptosis in lymphocytes from HIV-infected patients undergoing highly active anti-retroviral therapy. *Aids*, **2000**, 14, 939-49	3.5	18
18	In vitro infection of CD4+ T lymphocytes with HTLV-I generates immortalized cell lines coexpressing lymphoid and myeloid cell markers. *Leukemia*, **1999**, 13, 222-9	10.7	10
17	Impaired apoptosis in mitogen-stimulated lymphocytes of patients with multiple sclerosis. *NeuroReport*, **1999**, 10, 399-402	1.7	58
16	Emergence of double-positive CD4/CD8 cells from adult peripheral blood mononuclear cells infected with human T cell leukemia virus type I (HTLV-I). *Cellular Immunology*, **1993**, 149, 376-89	4.4	29
15	Transient HTLV-I infection of a human glioma cell line following cell-free exposure. *Virology*, **1993**, 197, 767-9	3.6	7
14	Protective effect of interferon beta on human T cell leukaemia virus type I infection of CD4+ T cells isolated from human cord blood. *Cancer Immunology, Immunotherapy*, **1993**, 37, 97-104	7.4	3

13	Correlation between P19 presence and MHC class II expression in human fetal astroglial cells cocultured with HTLV-I donor cells. *International Journal of Developmental Neuroscience*, **1992**, 10, 231-41	2.7	3
12	Effect of human T lymphotropic retrovirus-I exposure on cultured human glioma cell lines. *Acta Neuropathologica*, **1991**, 81, 670-4	14.3	11
11	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. *Pharmacological Research*, **1990**, 22, 503-14	10.2	5
10	Biologic and molecular characterization of producer and nonproducer clones from HUT-78 cells infected with a patient HIV isolate. *AIDS Research and Human Retroviruses*, **1989**, 5, 385-96	1.6	24
9	HIV genome in peripheral blood mononuclear cells of seronegative regular sexual partners of HIV-infected subjects. *Journal of Medical Virology*, **1989**, 28, 209-14	19.7	13
8	HBV and HIV expression in lymph nodes of HIV positive LAS patients: histology and in situ hybridization. *Molecular and Cellular Probes*, **1989**, 3, 125-32	3.3	3
7	Recovery of HIV-related retroviruses from Italian patients with AIDS or AIDS-related complex and from asymptomatic at-risk individuals. *Annals of the New York Academy of Sciences*, **1987**, 511, 390-400	6.5	24
6	In situ hybridization of human immunodeficiency virus (HTLV-III) in cryostat sections of lymph nodes of lymphadenopathy syndrome patients. *Journal of Medical Virology*, **1987**, 22, 135-42	19.7	37
5	In vitro susceptibility of different human T-cell subpopulations and resistance of large granular lymphocytes to HTLV-I infection. *International Journal of Cancer*, **1987**, 40, 1-6	7.5	17
4	Decline of natural cytotoxicity of human lymphocytes following infection with human T-cell leukemia/lymphoma virus (HTLV). *Leukemia Research*, **1985**, 9, 349-55	2.7	18
3	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. *Molecular Immunology*, **1985**, 22, 741-55	4.3	
2	Transformation of different phenotypic types of human bone marrow T-lymphocytes by HTLV-1. *International Journal of Cancer*, **1984**, 33, 13-7	7.5	69
1	Lymphoid cell-glioma cell interaction enhances cell coat production by human gliomas: novel suppressor mechanism. *Science*, **1983**, 220, 739-42	33.3	45