

Carlo Mischiati

List of Publications by Year in descending order

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91
papers

2,152
citations

201385

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#	ARTICLE	IF	CITATIONS
1	Biosensor Technology and Surface Plasmon Resonance for Real-Time Detection of Genetically Modified Roundup Ready Soybean Gene Sequences. <i>Journal of Agricultural and Food Chemistry</i> , 2002, 50, 955-962.	2.4	103
2	Induction of erythroid differentiation of human K562 cells by cisplatin analogs. <i>Biochemical Pharmacology</i> , 2000, 60, 31-40.	2.0	89
3	Effects of rapamycin on accumulation of α -, β - and γ -globin mRNAs in erythroid precursor cells from β -thalassaemia patients. <i>European Journal of Haematology</i> , 2006, 77, 437-441.	1.1	83
4	Pyrazolo-triazoles as light activable dna cleaving agents. <i>Bioorganic and Medicinal Chemistry</i> , 2000, 8, 2343-2346.	1.4	76
5	Transcription Factor Decoy Molecules Based on a Peptide Nucleic Acid (PNA)-DNA Chimera Mimicking Sp1 Binding Sites. <i>Journal of Biological Chemistry</i> , 2003, 278, 7500-7509.	1.6	76
6	The DNA-binding drugs mithramycin and chromomycin are powerful inducers of erythroid differentiation of human K562 cells. <i>British Journal of Haematology</i> , 1999, 104, 258-265.	1.2	73
7	Pleiotropic effects of immobilized versus soluble recombinant HIV-1 Tat protein on CD3-mediated activation, induction of apoptosis, and HIV-1 long terminal repeat transactivation in purified CD4+ T lymphocytes. <i>Journal of Immunology</i> , 1996, 157, 2216-24.	0.4	65
8	Synthesis, in Vitro Antiproliferative Activity, and DNA-Binding Properties of Hybrid Molecules Containing Pyrrolo[2,1-c][1,4]benzodiazepine and Minor-Groove-Binding Oligopyrrole Carriers. <i>Journal of Medicinal Chemistry</i> , 1999, 42, 5131-5141.	2.9	64
9	Interaction of the Human NF- κ B p52 Transcription Factor with DNA-PNA Hybrids Mimicking the NF- κ B Binding Sites of the Human Immunodeficiency Virus Type 1 Promoter. <i>Journal of Biological Chemistry</i> , 1999, 274, 33114-33122.	1.6	63
10	Effects of a Hydroxyapatite-based Biomaterial on Gene Expression in Osteoblast-like Cells. <i>Journal of Dental Research</i> , 2006, 85, 354-358.	2.5	63
11	Accumulation of β -globin mRNA and induction of erythroid differentiation after treatment of human leukaemic K562 cells with tallimustine. <i>British Journal of Haematology</i> , 2001, 113, 951-961.	1.2	58
12	Liposomes as carriers for DNA-PNA hybrids. <i>Journal of Controlled Release</i> , 2000, 68, 237-249.	4.8	56
13	Rapamycin-mediated induction of β -globin mRNA accumulation in human erythroid cells. <i>British Journal of Haematology</i> , 2004, 126, 612-621.	1.2	56
14	Phosphoinositide 3-kinase activity is essential for all-trans-retinoic acid-induced granulocytic differentiation of HL-60 cells. <i>Cancer Research</i> , 1999, 59, 542-6.	0.4	56
15	Cationic liposomes as delivery systems for double-stranded PNA-DNA chimeras exhibiting decoy activity against NF- κ B transcription factors. <i>Biochemical Pharmacology</i> , 2002, 64, 609-616.	2.0	54
16	Extracellular HIV-1 Tat protein differentially activates the JNK and ERK/MAPK pathways in CD4 T cells. <i>Aids</i> , 1999, 13, 1637-1645.	1.0	50
17	Peptide Nucleic Acids and Biosensor Technology for Real-Time Detection of the Cystic Fibrosis W1282X Mutation by Surface Plasmon Resonance. <i>Laboratory Investigation</i> , 2001, 81, 1415-1427.	1.7	50
18	Synthesis and Antitumor Activity of New Benzoheterocyclic Derivatives of Distamycin A. <i>Journal of Medicinal Chemistry</i> , 2000, 43, 2675-2684.	2.9	47

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19	Perspectives of Protein Kinase C (PKC) Inhibitors as Anti-Cancer Agents. Mini-Reviews in Medicinal Chemistry, 2009, 9, 498-509.	1.1	41
20	Molecular interactions with nuclear factor $\hat{\rho}$ B (NF- $\hat{\rho}$ B) transcription factors of a PNA-DNA chimera mimicking NF- $\hat{\rho}$ B binding sites. FEBS Journal, 2001, 268, 6066-6075.	0.2	40
21	Biosensor technology for real-time detection of the cystic fibrosis W1282X mutation in CFTR. Human Mutation, 2001, 18, 70-81.	1.1	37
22	The Role of Tissue Transglutaminase in Cancer Cell Initiation, Survival and Progression. Medical Sciences (Basel, Switzerland), 2019, 7, 19.	1.3	36
23	Flavonoids: A Myth or a Reality for Cancer Therapy?. Molecules, 2021, 26, 3583.	1.7	36
24	Chemical Composition of Essential Oils from <i>Thymus vulgaris</i> , <i>Cymbopogon citratus</i> , and <i>Rosmarinus officinalis</i> , and Their Effects on the HIV-1 Tat Protein Function. Chemistry and Biodiversity, 2018, 15, e1700436.	1.0	35
25	Detection of the ρ F508 (F508del) mutation of the cystic fibrosis gene by surface plasmon resonance and biosensor technology. , 1999, 13, 390-400.		34
26	Biospecific interaction analysis (BIA) of low-molecular weight DNA-binding drugs. Journal of Pharmacology and Experimental Therapeutics, 2000, 294, 370-7.	1.3	34
27	Sequence-specific recognition of the HIV-1 long terminal repeat by distamycin: a DNAase I footprinting study. Biochemical Journal, 1994, 299, 451-458.	1.7	30
28	Targeting of the Sp1 binding sites of HIV-1 long terminal repeat with chromomycin. Biochemical Pharmacology, 1996, 52, 1489-1498.	2.0	29
29	HIV-1 Tat induces tyrosine phosphorylation of p125FAK and its association with phosphoinositide 3-kinase in PC12 cells. Aids, 1998, 12, 1275-1284.	1.0	26
30	Aromatic Polyamidines Inhibiting the Tat-Induced HIV-1 Transcription Recognize Structured TAR-RNA. Oligonucleotides, 2001, 11, 209-217.	4.4	26
31	Vav promotes differentiation of human tumoral myeloid precursors. Experimental Cell Research, 2005, 306, 56-63.	1.2	25
32	Targeting of the HIV-1 long terminal repeat with chromomycin potentiates the inhibitory effects of a triplex-forming oligonucleotide on Sp1-DNA interactions and in vitro transcription. Biochemical Journal, 1997, 326, 919-927.	1.7	24
33	[2,1- <i>c</i>] [1,4]Benzodiazepine (PBD)-Distamycin Hybrid Inhibits DNA Binding to Transcription Factor Sp1. Nucleosides, Nucleotides and Nucleic Acids, 2000, 19, 1219-1229.	0.4	23
34	Resistance of Decoy PNA-DNA Chimeras to Enzymatic Degradation in Cellular Extracts and Serum. Oncology Research, 2003, 13, 279-287.	0.6	23
35	Binding of Epstein-Barr virus nuclear antigen 1 to DNA: inhibition by distamycin and two novel distamycin analogues. European Journal of Pharmacology, 1994, 267, 143-149.	2.7	22
36	cDNA-array profiling of melanomas and paired melanocyte cultures. Journal of Cellular Physiology, 2006, 207, 697-705.	2.0	22

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37	Polymerase-chain reaction: analysis of DNA/DNA hybridization by capillary electrophoresis. <i>Nucleic Acids Research</i> , 1993, 21, 3595-3596.	6.5	21
38	Peptide Nucleic Acids (PNA)-DNA Chimeras Targeting Transcription Factors as a Tool to Modify Gene Expression. <i>Current Drug Targets</i> , 2004, 5, 735-744.	1.0	21
39	Differential effects of distamycin analogues on amplification of human gene sequences by polymerase-chain reaction. <i>Biochemical Journal</i> , 1995, 308, 513-519.	1.7	19
40	Polymerase-chain reaction as a tool for investigations on sequence-selectivity of DNA-drugs interactions. <i>Journal of Proteomics</i> , 1994, 29, 307-319.	2.4	18
41	Alteration of the expression of human estrogen receptor gene by distamycin. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 1995, 54, 211-215.	1.2	18
42	Caffeic Acid Enhances the Anti-Leukemic Effect of Imatinib on Chronic Myeloid Leukemia Cells and Triggers Apoptosis in Cells Sensitive and Resistant to Imatinib. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1644.	1.8	17
43	Thermodynamics of binding of regulatory ligands to tissue transglutaminase. <i>Amino Acids</i> , 2010, 39, 297-304.	1.2	16
44	Changes in Protein Expression in Two Cholangiocarcinoma Cell Lines Undergoing Formation of Multicellular Tumor Spheroids In Vitro. <i>PLoS ONE</i> , 2015, 10, e0118906.	1.1	16
45	Antiproliferative activity of novel isatinyl/indanyl nitrones (INs) as potential spin trapping agents of free radical intermediates. <i>MedChemComm</i> , 2018, 9, 299-304.	3.5	16
46	Binding of distamycin and chromomycin to human immunodeficiency type 1 virus DNA: a non-radioactive automated footprinting study. <i>European Journal of Pharmacology</i> , 1995, 290, 85-93.	2.7	15
47	Computational Procedures to Explain the Different Biological Activity of DNA/DNA, DNA/PNA and PNA/PNA Hybrid Molecules Mimicking NF- κ B Binding Sites. <i>Journal of Biomolecular Structure and Dynamics</i> , 2000, 18, 353-362.	2.0	15
48	Binding of hybrid molecules containing pyrrolo [2,1-c][1,4]benzodiazepine (PBD) and oligopyrrole carriers to the human immunodeficiency type 1 virus TAR-RNA. <i>Biochemical Pharmacology</i> , 2004, 67, 401-410.	2.0	14
49	Formulations for natural and peptide nucleic acids based on cationic polymeric submicron particles. <i>AAPS PharmSci</i> , 2004, 6, 10-21.	1.3	13
50	Capillary electrophoresis: detection of hybridization between synthetic oligonucleotides and HIV-1 genomic DNA amplified by polymerase-chain reaction. <i>Journal of Virological Methods</i> , 1994, 47, 321-329.	1.0	12
51	The origin and function of cement gland secretion in <i>Pomphorhynchus laevis</i> (Acanthocephala). <i>Parasitology</i> , 1999, 119, 649-653.	0.7	12
52	Synthesis of hybrid distamycin-cysteine labeled with ^{99m}Tc : a model for a novel class of cancer imaging agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2000, 10, 1397-1400.	1.0	12
53	Potential Role of PKC Inhibitors in the Treatment of Hematological Malignancies. <i>Current Pharmaceutical Design</i> , 2008, 14, 2075-2084.	0.9	12
54	Structure-Based Analysis of the Molecular Recognitions Between HIV-1 TAR-RNA and Transcription Factor Nuclear Factor- κ B (NF κ B). <i>Current Topics in Medicinal Chemistry</i> , 2012, 12, 814-827.	1.0	12

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55	Evaluation of polyamines as marker of melanoma cell proliferation and differentiation by an improved high-performance liquid chromatographic method. <i>Amino Acids</i> , 2019, 51, 1623-1631.	1.2	11
56	Distamycin analogues with improved sequence-specific DNA binding activities. <i>Biochemical Pharmacology</i> , 1994, 48, 1583-1591.	2.0	9
57	Sequencing of an upstream region of the human HLA-DRA gene containing X' and Y' boxes. <i>Nucleic Acids Research</i> , 1995, 23, 1671-1678.	6.5	9
58	Complexation to cationic microspheres of double-stranded peptide nucleic acid-DNA chimeras exhibiting decoy activity. <i>Journal of Biomedical Science</i> , 2004, 11, 697-704.	2.6	9
59	A novel hybrid drug between two potent anti-tubulin agents as a potential prolonged anticancer approach. <i>European Journal of Pharmaceutical Sciences</i> , 2016, 91, 50-63.	1.9	8
60	Selected terpenes from leaves of <i>Ocimum basilicum</i> L. induce hemoglobin accumulation in human K562 cells. <i>FÄ-toterapÄ-t</i> , 2018, 127, 173-178.	1.1	8
61	In vitro and in vivo binding of a CC-1065 analogue to human gene sequences: a polymerase-chain reaction study. <i>European Journal of Pharmacology</i> , 1997, 319, 317-325.	1.7	7
62	Use of an automated laboratory workstation for isolation of genomic DNA suitable for PCR and allele-specific hybridization. <i>BioTechniques</i> , 1993, 15, 146-51.	0.8	7
63	Characterization of a Major Histocompatibility Complex Class II X-Box-Binding Protein Enhancing Tat-Induced Transcription Directed by the Human Immunodeficiency Virus Type 1 Long Terminal Repeat. <i>Journal of Virology</i> , 2000, 74, 8989-9001.	1.5	6
64	Inhibition of NF- κ B/DNA Interactions and HIV-1 LTR Directed Transcription by Hybrid Molecules Containing Pyrrolo [2,1-c] [1,4] Benzodiazepine (PBD) and Oligopyrrole Carriers. <i>Drug Development Research</i> , 2003, 60, 173-185.	1.4	6
65	Targeting Melanoma-Initiating Cells by Caffeine: In Silico and In Vitro Approaches. <i>Molecules</i> , 2021, 26, 3619.	1.7	6
66	Reduction in Fatigue Symptoms Following the Administration of Nutritional Supplements in Patients with Multiple Sclerosis. <i>Medical Sciences (Basel, Switzerland)</i> , 2021, 9, 52.	1.3	6
67	The cement apparatus of larval and adult <i>Pomphorhynchus laevis</i> (Acanthocephala): Tj ETQq1 1 0.784314 rgBT /Overlock 10 Jf 50 26 0,7		
68	Involvement of cell surface TC2 in the aggregation of K562 cells triggered by gluten. <i>Amino Acids</i> , 2017, 49, 551-565.	1.2	5
69	Modulation of Pro-apoptotic (Bax) and Anti-apoptotic (Bcl-2) Gene Expression in Isolated Porcine Hepatocytes Perfused within a Radial-flow Bioreactor after Low-temperature Storing. <i>International Journal of Artificial Organs</i> , 2003, 26, 139-148.	0.7	5
70	Peptide nucleic acid-DNA decoy chimeras targeting NF- κ B transcription factors: Induction of apoptosis in human primary osteoclasts. <i>International Journal of Molecular Medicine</i> , 2004, 14, 145.	1.8	4
71	Modular usage of the HLA-DRA promoter in extra-hematopoietic and hematopoietic cell types of transgenic mice. <i>FEBS Journal</i> , 2005, 272, 3214-3226.	2.2	4
72	Reduction of oxidative stress and ornithine decarboxylase expression in a human prostate cancer cell line PC-3 by a combined treatment with α -tocopherol and naringenin. <i>Amino Acids</i> , 2021, 53, 63-72.	1.2	4

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73	A chromatographic procedure for fully automated isolation of DNA from human whole blood. <i>Journal of Proteomics</i> , 1994, 28, 185-193.	2.4	3
74	Surface plasmon resonance for real-time monitoring of molecular interactions between a triple helix forming oligonucleotide and the Sp1 binding sites of human Ha-ras promoter: effects of the DNA-binding drug chromomycin.. <i>International Journal of Oncology</i> , 1998, 12, 337-43.	1.4	3
75	Analysis of the human HLA-DRA gene upstream region: Evidence for a stem-loop array directed by nuclear factors. <i>Biochimie</i> , 1999, 81, 219-228.	1.3	3
76	The cement apparatus of larval and adult <i>Acanthocephalus anguillae</i> (Acanthocephala), with notes on the copulatory cap and origin of gland secretion. <i>Parasitology Research</i> , 2001, 87, 299-305.	0.6	3
77	Effects of the regulatory ligands calcium and GTP on the thermal stability of tissue transglutaminase. <i>Amino Acids</i> , 2012, 42, 2233-2242.	1.2	3
78	Polyamine Oxidase Is Involved in Spermidine Reduction of Transglutaminase Type 2-Catalyzed 125 I-Crystallins Polymerization in Calcium-Induced Experimental Cataract. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5427.	1.8	3
79	Methylation state of the human HLA-DRA gene in T-lymphocytes and B-lymphocytes of transgenic mice. Lack of methylation at one 5'-GCGC site is not required for gene expression. <i>FEBS Journal</i> , 1993, 218, 485-492.	0.2	2
80	Chromatography in DNA radiolabeling: Hands-off automation using a robotic workstation. <i>Biomedical Applications</i> , 1995, 664, 303-310.	1.7	2
81	Effects of medicinal plant extracts on molecular interactions between DNA and transcription factors. <i>Advances in Phytomedicine</i> , 2006, 2, 35-43.	0.1	2
82	Inhibition of HIV-1 LTR-driven in vitro transcription by molecular hybrids based on peptide nucleic acids mimicking the NF- κ B binding site. <i>International Journal of Molecular Medicine</i> , 2002, 9, 633-9.	1.8	2
83	Methylation State of Cellular Genes and Oncogenes as a Marker of Malignancy in Human Carcinomas. <i>Tumori</i> , 1989, 75, 321-328.	0.6	1
84	A NONRADIOACTIVE AUTOMATED PROTOCOL TO STUDY PROTEIN-DNA INTERACTIONS BY DNASE-I FOOTPRINTING. <i>International Journal of Oncology</i> , 1995, 6, 153-6.	1.4	1
85	Membrane protein pattern in hereditary spherocytosis in five subjects from north-east Italy obtained by SDS-PAGE using N,N,N' -diallyltartardiamide. <i>European Journal of Haematology</i> , 1999, 63, 302-305.	1.1	1
86	Molecular cytogenetic analysis of human breast tumors: methylation pattern of the HLA-DR β gene. <i>Cytotechnology</i> , 1987, 1, 83-85.	0.7	0
87	DETECTION OF HEPATITIS-C VIRUS BY UNBALANCED POLYMERASE-CHAIN REACTION, HYBRIDIZATION TO SYNTHETIC OLIGONUCLEOTIDES AND CAPILLARY ELECTROPHORESIS. <i>International Journal of Oncology</i> , 1994, 4, 903-7.	1.4	0
88	Selective binding to human genomic sequences of two synthetic analogues structurally related to U-71184 and adozelesin. , 1999, 46, 96-106.		0
89	A hybrid distamycin-cysteine labeled with 99m Tc as a model for a novel class of tumor imaging agents. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2001, 44, S42.	0.5	0
90	Inhibition of HIV-1 LTR-driven in vitro transcription by molecular hybrids based on peptide nucleic acids mimicking the NF- κ B binding site. <i>International Journal of Molecular Medicine</i> , 2002, 9, 633.	1.8	0

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91	Identification of a novel DNase I hypersensitive site within the far upstream region of the human HLA-DRA gene. International Journal of Molecular Medicine, 2003, 12, 929.	1.8	0