

Carlo Mischiati

List of Publications by Year in descending order

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91
papers

2,152
citations

201385

27
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253896

43
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91
all docs

91
docs citations

91
times ranked

2017
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Reduction of oxidative stress and ornithine decarboxylase expression in a human prostate cancer cell line PC-3 by a combined treatment with $\hat{\pm}$ -tocopherol and naringenin. <i>Amino Acids</i> , 2021, 53, 63-72. | 1.2 | 4 |
| 2 | 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 |
| 3 | Targeting Melanoma-Initiating Cells by Caffeine: In Silico and In Vitro Approaches. <i>Molecules</i> , 2021, 26, 3619. | 1.7 | 6 |
| 4 | Flavonoids: A Myth or a Reality for Cancer Therapy?. <i>Molecules</i> , 2021, 26, 3583. | 1.7 | 36 |
| 5 | 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 |
| 6 | Polyamine Oxidase Is Involved in Spermidine Reduction of Transglutaminase Type 2-Catalyzed $\hat{2}$ H-Crystallins Polymerization in Calcium-Induced Experimental Cataract. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5427. | 1.8 | 3 |
| 7 | 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 |
| 8 | The Role of Tissue Transglutaminase in Cancer Cell Initiation, Survival and Progression. <i>Medical Sciences (Basel, Switzerland)</i> , 2019, 7, 19. | 1.3 | 36 |
| 9 | Selected terpenes from leaves of <i>Ocimum basilicum</i> L. induce hemoglobin accumulation in human K562 cells. <i>F\hat{A}-toterap\hat{A}-\hat{A}c</i> , 2018, 127, 173-178. | 1.1 | 8 |
| 10 | 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 |
| 11 | 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. <i>Chemistry and Biodiversity</i> , 2018, 15, e1700436. | 1.0 | 35 |
| 12 | Involvement of cell surface TG2 in the aggregation of K562 cells triggered by gluten. <i>Amino Acids</i> , 2017, 49, 551-565. | 1.2 | 5 |
| 13 | 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 |
| 14 | 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 |
| 15 | 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 |
| 16 | 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 |
| 17 | Thermodynamics of binding of regulatory ligands to tissue transglutaminase. <i>Amino Acids</i> , 2010, 39, 297-304. | 1.2 | 16 |
| 18 | Perspectives of Protein Kinase C (PKC) Inhibitors as Anti-Cancer Agents. <i>Mini-Reviews in Medicinal Chemistry</i> , 2009, 9, 498-509. | 1.1 | 41 |

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|----|---|-----|-----------|
| 19 | Potential Role of PKC Inhibitors in the Treatment of Hematological Malignancies. <i>Current Pharmaceutical Design</i> , 2008, 14, 2075-2084. | 0.9 | 12 |
| 20 | 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 |
| 21 | cDNA-array profiling of melanomas and paired melanocyte cultures. <i>Journal of Cellular Physiology</i> , 2006, 207, 697-705. | 2.0 | 22 |
| 22 | 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 |
| 23 | 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 |
| 24 | 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 |
| 25 | Vav promotes differentiation of human tumoral myeloid precursors. <i>Experimental Cell Research</i> , 2005, 306, 56-63. | 1.2 | 25 |
| 26 | 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 |
| 27 | 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 |
| 28 | 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 |
| 29 | Formulations for natural and peptide nucleic acids based on cationic polymeric submicron particles. <i>AAPS PharmSci</i> , 2004, 6, 10-21. | 1.3 | 13 |
| 30 | 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 |
| 31 | 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 |
| 32 | 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 |
| 33 | 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 |
| 34 | Identification of a novel DNase I hypersensitive site within the far upstream region of the human HLA-DRA gene. <i>International Journal of Molecular Medicine</i> , 2003, 12, 929. | 1.8 | 0 |
| 35 | Resistance of Decoy PNA-DNA Chimeras to Enzymatic Degradation in Cellular Extracts and Serum. <i>Oncology Research</i> , 2003, 13, 279-287. | 0.6 | 23 |
| 36 | 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 |

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|----|---|-----|-----------|
| 37 | 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 |
| 38 | 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 |
| 39 | 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 |
| 40 | 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 |
| 41 | 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 |
| 42 | 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 |
| 43 | Molecular interactions with nuclear factor κ B (NF- κ B) transcription factors of a PNA-DNA chimera mimicking NF- κ B binding sites. <i>FEBS Journal</i> , 2001, 268, 6066-6075. | 0.2 | 40 |
| 44 | Biosensor technology for real-time detection of the cystic fibrosis W1282X mutation in CFTR. <i>Human Mutation</i> , 2001, 18, 70-81. | 1.1 | 37 |
| 45 | 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 |
| 46 | 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 |
| 47 | Aromatic Polyamidines Inhibiting the Tat-Induced HIV-1 Transcription Recognize Structured TAR-RNA. <i>Oligonucleotides</i> , 2001, 11, 209-217. | 4.4 | 26 |
| 48 | 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 |
| 49 | Pyrazolo-triazoles as light activable dna cleaving agents. <i>Bioorganic and Medicinal Chemistry</i> , 2000, 8, 2343-2346. | 1.4 | 76 |
| 50 | Liposomes as carriers for DNA-PNA hybrids. <i>Journal of Controlled Release</i> , 2000, 68, 237-249. | 4.8 | 56 |
| 51 | Induction of erythroid differentiation of human K562 cells by cisplatin analogs. <i>Biochemical Pharmacology</i> , 2000, 60, 31-40. | 2.0 | 89 |
| 52 | Synthesis and Antitumor Activity of New Benzoheterocyclic Derivatives of Distamycin A. <i>Journal of Medicinal Chemistry</i> , 2000, 43, 2675-2684. | 2.9 | 47 |
| 53 | [2,1- <i>c</i>] [1,4]Benzodiazepine (PBD)-Distamycin Hybrid Inhibits DNA Binding to Transcription Factor Sp1. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2000, 19, 1219-1229. | 0.4 | 23 |
| 54 | 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 |

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|----|--|-----|-----------|
| 55 | 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 |
| 56 | Biospecific interaction analysis (BIA) of low-molecular weight DNA-binding drugs. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2000, 294, 370-7. | 1.3 | 34 |
| 57 | 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 |
| 58 | 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 |
| 59 | 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 |
| 60 | Detection of the Δ F508 (F508del) mutation of the cystic fibrosis gene by surface plasmon resonance and biosensor technology. , 1999, 13, 390-400. | | 34 |
| 61 | Selective binding to human genomic sequences of two synthetic analogues structurally related to U-71184 and adozelesin. , 1999, 46, 96-106. | | 0 |
| 62 | 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 |
| 63 | 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 |
| 64 | The origin and function of cement gland secretion in <i>Pomphorhynchus laevis</i> (Acanthocephala). <i>Parasitology</i> , 1999, 119, 649-653. | 0.7 | 12 |
| 65 | Membrane protein pattern in hereditary spherocytosis in five subjects from north-east Italy obtained by SDS-PAGE using N,N'-diallyltartardiamide. <i>European Journal of Haematology</i> , 1999, 63, 302-305. | 1.1 | 1 |
| 66 | 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 |
| 67 | 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 |
| 68 | HIV-1 Tat induces tyrosine phosphorylation of p125FAK and its association with phosphoinositide 3-kinase in PC12 cells. <i>Aids</i> , 1998, 12, 1275-1284. | 1.0 | 26 |
| 69 | The cement apparatus of larval and adult <i>Pomphorhynchus laevis</i> (Acanthocephala): Tj ETQq1 1 0.784314 rgBT /Overlock 10 Jf 50 182 | 0.7 | 5 |
| 70 | 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. <i>Biochemical Journal</i> , 1997, 326, 919-927. | 1.7 | 24 |
| 71 | 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 |
| 72 | Targeting of the Sp1 binding sites of HIV-1 long terminal repeat with chromomycin. <i>Biochemical Pharmacology</i> , 1996, 52, 1489-1498. | 2.0 | 29 |

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|----|---|-----|-----------|
| 73 | 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 |
| 74 | 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 |
| 75 | Chromatography in DNA radiolabeling: Hands-off automation using a robotic workstation. <i>Biomedical Applications</i> , 1995, 664, 303-310. | 1.7 | 2 |
| 76 | 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 |
| 77 | 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 |
| 78 | 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 |
| 79 | 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 |
| 80 | 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 |
| 81 | Binding of Epstein-Barr virus nuclear antigen 1 to DNA: inhibition by distamycin and two novel distamycin analogues. <i>European Journal of Pharmacology</i> , 1994, 267, 143-149. | 2.7 | 22 |
| 82 | 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 |
| 83 | Distamycin analogues with improved sequence-specific DNA binding activities. <i>Biochemical Pharmacology</i> , 1994, 48, 1583-1591. | 2.0 | 9 |
| 84 | 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 |
| 85 | 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 |
| 86 | Sequence-specific recognition of the HIV-1 long terminal repeat by distamycin: a DNAase I footprinting study. <i>Biochemical Journal</i> , 1994, 299, 451-458. | 1.7 | 30 |
| 87 | 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 |
| 88 | Polymerase-chain reaction: analysis of DNA/DNA hybridization by capillary electrophoresis. <i>Nucleic Acids Research</i> , 1993, 21, 3595-3596. | 6.5 | 21 |
| 89 | 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 |
| 90 | 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 |

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| 91 | Molecular cytogenetic analysis of human breast tumors: methylation pattern of the HLA-DR α gene. Cytotechnology, 1987, 1, 83-85. | 0.7 | 0 |