

# Manlio Palumbo

## List of Publications by Citations

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189  
papers

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g-index

193  
ext. papers

5,297  
ext. citations

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L-index

#	Paper	IF	Citations
189	Dinuclear Zn(2+) complexes of synthetic heptapeptides as artificial nucleases. <i>Journal of the American Chemical Society</i> , <b>2001</b> , 123, 3169-70	16.4	140
188	Solid-state infrared absorption spectra and chain arrangement in some synthetic homooligopeptides in the intermolecularly hydrogen-bonded pleated-sheet beta-conformation. <i>Biopolymers</i> , <b>1977</b> , 16, 219-24	2.2	134
187	Nucleic acid aptamers based on the G-quadruplex structure: therapeutic and diagnostic potential. <i>Current Medicinal Chemistry</i> , <b>2009</b> , 16, 1248-65	4.3	124
186	Quinone methides tethered to naphthalene diimides as selective G-quadruplex alkylating agents. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 13132-41	16.4	120
185	A dynamic G-quadruplex region regulates the HIV-1 long terminal repeat promoter. <i>Journal of Medicinal Chemistry</i> , <b>2013</b> , 56, 6521-30	8.3	117
184	Effects of magnesium and related divalent metal ions in topoisomerase structure and function. <i>Nucleic Acids Research</i> , <b>2009</b> , 37, 702-11	20.1	115
183	Linear oligopeptides, 29. Infrared conformational analysis of homo-oligopeptides in the solid state and in solution. <i>Die Makromolekulare Chemie</i> , <b>1976</b> , 177, 1477-1492		110
182	Efficient plasmid DNA cleavage by a mononuclear copper(II) complex. <i>Inorganic Chemistry</i> , <b>2005</b> , 44, 2310-7	9.7	106
181	Toward efficient Zn(II)-based artificial nucleases. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 4543-9	16.4	101
180	Binol quinone methides as bisalkylating and DNA cross-linking agents. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 13973-9	16.4	101
179	The quinolone family: from antibacterial to anticancer agents. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , <b>2003</b> , 3, 439-50		99
178	6-Aminoquinolones as new potential anti-HIV agents. <i>Journal of Medicinal Chemistry</i> , <b>2000</b> , 43, 3799-8028.	28.3	94
177	The evolving world of protein-G-quadruplex recognition: a medicinal chemist's perspective. <i>Biochimie</i> , <b>2011</b> , 93, 1219-30	4.6	79
176	Photogeneration and reactivity of naphthoquinone methides as purine selective DNA alkylating agents. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 14625-37	16.4	78
175	Formation of a unique cluster of G-quadruplex structures in the HIV-1 Nef coding region: implications for antiviral activity. <i>PLoS ONE</i> , <b>2013</b> , 8, e73121	3.7	76
174	In vitro selection of DNA aptamers that bind L-tyrosinamide. <i>Bioorganic and Medicinal Chemistry</i> , <b>2001</b> , 9, 2543-8	3.4	76
173	Naphthalene diimide scaffolds with dual reversible and covalent interaction properties towards G-quadruplex. <i>Biochimie</i> , <b>2011</b> , 93, 1328-40	4.6	75

172	On the mechanism of action of quinolone drugs. <i>Trends in Microbiology</i> , <b>1993</b> , 1, 232-5	12.4	75
171	Targeting loop adenines in G-quadruplex by a selective oxirane. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 78-81	4.8	68
170	G-quadruplexes in human promoters: A challenge for therapeutic applications. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2017</b> , 1861, 1399-1413	4	65
169	BINOL-amino acid conjugates as triggerable carriers of DNA-targeted potent photocytotoxic agents. <i>Journal of Medicinal Chemistry</i> , <b>2007</b> , 50, 6570-9	8.3	64
168	Tri-, tetra- and heptacyclic perylene analogues as new potential antineoplastic agents based on DNA telomerase inhibition. <i>Bioorganic and Medicinal Chemistry</i> , <b>2007</b> , 15, 555-62	3.4	64
167	Conformational drug determinants of the sequence specificity of drug-stimulated topoisomerase II DNA cleavage. <i>Journal of Molecular Biology</i> , <b>1994</b> , 235, 1218-30	6.5	63
166	In front of and behind the replication fork: bacterial type IIA topoisomerases. <i>Cellular and Molecular Life Sciences</i> , <b>2010</b> , 67, 2001-24	10.3	61
165	A protein-mediated mechanism for the DNA sequence-specific action of topoisomerase II poisons. <i>Trends in Pharmacological Sciences</i> , <b>1997</b> , 18, 323-329	13.2	59
164	Involvement of p53 in specific anti-neuroectodermal tumor activity of aloe-emodin. <i>International Journal of Cancer</i> , <b>2003</b> , 106, 836-47	7.5	57
163	New anti-human immunodeficiency virus type 1 6-aminoquinolones: mechanism of action. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2003</b> , 47, 889-96	5.9	55
162	Ciprofloxacin affects conformational equilibria of DNA gyrase A in the presence of magnesium ions. <i>Journal of Molecular Biology</i> , <b>2001</b> , 311, 195-203	6.5	52
161	Design, synthesis, and biological properties of new bis(acridine-4-carboxamides) as anticancer agents. <i>Journal of Medicinal Chemistry</i> , <b>2003</b> , 46, 3109-15	8.3	51
160	Tuning the activity of Zn(II) complexes in DNA cleavage: clues for design of new efficient metallo-hydrolases. <i>Inorganic Chemistry</i> , <b>2008</b> , 47, 5473-84	5.1	50
159	Aminoacyl-anthraquinone conjugates as telomerase inhibitors: synthesis, biophysical and biological evaluation. <i>Journal of Medicinal Chemistry</i> , <b>2008</b> , 51, 5566-74	8.3	50
158	Antiviral properties of quinolone-based drugs. <i>Current Drug Targets Infectious Disorders</i> , <b>2004</b> , 4, 111-6		50
157	Potent 6-desfluoro-8-methylquinolones as new lead compounds in antibacterial chemotherapy. <i>Journal of Medicinal Chemistry</i> , <b>1996</b> , 39, 4952-7	8.3	49
156	Mg(2+)-mediated binding of 6-substituted quinolones to DNA: relevance to biological activity. <i>Bioorganic and Medicinal Chemistry</i> , <b>1998</b> , 6, 1555-61	3.4	48
155	The cellular protein nucleolin preferentially binds long-looped G-quadruplex nucleic acids. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2017</b> , 1861, 1371-1381	4	45

- 154 Autophagy acts as a safeguard mechanism against G-quadruplex ligand-mediated DNA damage. *Autophagy*, **2012**, 8, 1185-96 10.2 43
- 153 Water-soluble isoindolo[2,1-a]quinoxalin-6-imines: in vitro antiproliferative activity and molecular mechanism(s) of action. *European Journal of Medicinal Chemistry*, **2015**, 94, 149-62 6.8 41
- 152 Structure modifications of 6-aminoquinolones with potent anti-HIV activity. *Journal of Medicinal Chemistry*, **2004**, 47, 5567-78 8.3 41
- 151 Peptidyl anthraquinones as potential antineoplastic drugs: synthesis, DNA binding, redox cycling, and biological activity. *Journal of Medicinal Chemistry*, **1996**, 39, 3114-22 8.3 39
- 150 A protein-mediated mechanism for the DNA sequence-specific action of topoisomerase II poisons. *Trends in Pharmacological Sciences*, **1997**, 18, 323-9 13.2 38
- 149 Aza-isoindolo and isoindolo-azaquinoxaline derivatives with antiproliferative activity. *European Journal of Medicinal Chemistry*, **2015**, 94, 367-77 6.8 37
- 148 Quinone methide generation via photoinduced electron transfer. *Journal of Organic Chemistry*, **2011**, 76, 3096-106 4.2 37
- 147 DNA topoisomerase II structures and anthracycline activity: insights into ternary complex formation. *Current Pharmaceutical Design*, **2007**, 13, 2766-80 3.3 36
- 146 Inhibition of human immunodeficiency virus type 1 tat-trans-activation-responsive region interaction by an antiviral quinolone derivative. *Antimicrobial Agents and Chemotherapy*, **2004**, 48, 1895-9 5.9 36
- 145 Novel symmetric and asymmetric DNA scission determinants for *Streptococcus pneumoniae* topoisomerase IV and gyrase are clustered at the DNA breakage site. *Journal of Biological Chemistry*, **2005**, 280, 14252-63 5.4 36
- 144 Tuning G-quadruplex vs double-stranded DNA recognition in regioisomeric lysyl-peptidyl-anthraquinone conjugates. *Bioconjugate Chemistry*, **2011**, 22, 2126-35 6.3 34
- 143 Pyrrolo-quinoline derivatives as potential antineoplastic drugs. *Bioorganic and Medicinal Chemistry*, **2000**, 8, 1415-22 3.4 34
- 142 Linear oligopeptides. XLIII. Study of the relationship between conformation and nature of side chain: Homologous series derived from  $\beta$ -branched amino acid residues. *Biopolymers*, **1978**, 17, 1713-1727<sup>2.2</sup> 33
- 141 Interaction model for anthracycline activity against DNA topoisomerase II. *Biochemistry*, **2004**, 43, 7503-13<sup>2</sup> 32
- 140 Phenylalanine oligopeptides. *Bioorganic Chemistry*, **1974**, 3, 125-132 5.1 31
- 139 Novel pyrrolo[3,2-f]quinolines: synthesis and antiproliferative activity. *Bioorganic and Medicinal Chemistry*, **2001**, 9, 1843-8 3.4 29
- 138 Chromophore-modified antitumor anthracenediones: synthesis, DNA binding, and cytotoxic activity of 1,4-bis[(aminoalkyl)amino]benzo[g]-phthalazine-5,10-diones. *Journal of Medicinal Chemistry*, **1995**, 38, 526-36 8.3 29
- 137 Benzofurocoumarins: new monofunctional DNA-photobinding agents. *Photochemistry and Photobiology*, **1986**, 44, 1-4 3.6 29

136	Linear oligopeptides, 55. Infrared conformational analysis of polyethyleneglycol-bound alanine and valine homo-L-oligopeptides in the solid state and in solution. <i>Die Makromolekulare Chemie</i> , <b>1979</b> , 180, 1293-1304		29
135	Pharmacokinetics of intraperitoneal hyperthermic perfusion with mitoxantrone in ovarian cancer. <i>Cancer Chemotherapy and Pharmacology</i> , <b>2000</b> , 45, 457-62	3.5	28
134	Conformation and stability of intramolecular telomeric G-quadruplexes: sequence effects in the loops. <i>PLoS ONE</i> , <b>2013</b> , 8, e84113	3.7	27
133	Amide bond direction modulates G-quadruplex recognition and telomerase inhibition by 2,6 and 2,7 bis-substituted anthracenedione derivatives. <i>Bioorganic and Medicinal Chemistry</i> , <b>2008</b> , 16, 354-61	3.4	27
132	Mapping drug interactions at the covalent topoisomerase II-DNA complex by bisantrene/amsacrine congeners. <i>Journal of Biological Chemistry</i> , <b>1998</b> , 273, 12732-9	5.4	26
131	Methylx derivatives of tetrahydrobenzo- and benzofurocoumarins, a new class of potential photoreagents toward dna. <i>Journal of Heterocyclic Chemistry</i> , <b>1986</b> , 23, 1405-1410	1.9	26
130	Do quinolones bind to DNA?. <i>Biochemical Pharmacology</i> , <b>1988</b> , 37, 1887-8	6	26
129	Assessment of gene promoter G-quadruplex binding and modulation by a naphthalene diimide derivative in tumor cells. <i>International Journal of Oncology</i> , <b>2015</b> , 46, 369-80	4.4	24
128	Mapping simocyclinone D8 interaction with DNA gyrase: evidence for a new binding site on GyrB. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2010</b> , 54, 213-20	5.9	24
127	The 6-aminoquinolone WC5 inhibits human cytomegalovirus replication at an early stage by interfering with the transactivating activity of viral immediate-early 2 protein. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2010</b> , 54, 1930-40	5.9	24
126	Metal ion-mediated assembly of effective phenanthroline-based G-quadruplex ligands. <i>Dalton Transactions</i> , <b>2009</b> , 3657-60	4.3	24
125	Studies of anti-HIV transcription inhibitor quinolones: identification of potent N1-vinyl derivatives. <i>ChemMedChem</i> , <b>2010</b> , 5, 1880-92	3.7	24
124	Bipyridyl ligands as photoactivatable mono- and bis-alkylating agents capable of DNA cross-linking. <i>Organic and Biomolecular Chemistry</i> , <b>2007</b> , 5, 233-5	3.9	24
123	Screening of candidate G-quadruplex ligands for the human c-KIT promotorial region and their effects in multiple in-vitro models. <i>Oncotarget</i> , <b>2016</b> , 7, 21658-75	3.3	24
122	The effects of metal ions on the structure and stability of the DNA gyrase B protein. <i>Journal of Molecular Biology</i> , <b>2005</b> , 353, 1152-60	6.5	23
121	Sequence-specific interactions of drugs interfering with the topoisomerase-DNA cleavage complex. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2002</b> , 1587, 145-54	6.9	23
120	Interaction between second generation anthracyclines and DNA in the nucleosomal structure. <i>Nucleic Acids Research</i> , <b>1991</b> , 19, 2309-14	20.1	23
119	Synthesis and photobiological properties of 4-hydroxymethyl-4-methylpsoralen derivatives. <i>Photochemistry and Photobiology</i> , <b>1993</b> , 58, 486-91	3.6	23

118	Development of DNA topoisomerase-related therapeutics: a short perspective of new challenges. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , <b>2004</b> , 4, 335-45		23
117	Benzo- and tetrahydrobenzo-psoralen congeners: DNA binding and photobiological properties. <i>Photochemistry and Photobiology</i> , <b>1993</b> , 57, 497-503	3.6	22
116	Structural properties of hyaluronic acid in moderately concentrated solutions. <i>Carbohydrate Research</i> , <b>1986</b> , 149, 363-77	2.9	22
115	On the oxy analogues to the 4 leads to 1 intramolecularly hydrogen-bonded peptide conformations. <i>Macromolecules</i> , <b>1976</b> , 9, 417-20	5.5	22
114	Perylene side chains modulate G-quadruplex conformation in biologically relevant DNA sequences. <i>Bioorganic and Medicinal Chemistry</i> , <b>2008</b> , 16, 9331-9	3.4	21
113	Metal complexes of poly(alpha-amino acids). A potentiometric and circular dichroism investigation of Cu(II) complexes of poly(L-lysine), poly(L-ornithine), and poly(L-diaminobutyric acid). <i>Macromolecules</i> , <b>1977</b> , 10, 813-20	5.5	21
112	Solid-state and solution conformation of N-tert-butyloxycarbonyl-L-prolylglycine. <i>Macromolecules</i> , <b>1977</b> , 10, 1350-6	5.5	21
111	Highly Improved Electrospray Ionization-Mass Spectrometry Detection of G-Quadruplex-Folded Oligonucleotides and Their Complexes with Small Molecules. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 8632-8637	7.8	19
110	Synthesis and biological evaluation of 2-phenylquinolones targeted at Tat/TAR recognition. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2009</b> , 19, 714-7	2.9	19
109	2,6-Di(omega-aminoalkyl)-2,5,6,7-tetrahydropyrazolo[3,4,5-mn]pyrimido[5,6,1-de]acridine-5,7-diones: novel, potent, cytotoxic, and DNA-binding agents. <i>Journal of Medicinal Chemistry</i> , <b>2002</b> , 45, 696-702	8.3	19
108	New 1,4-anthracene-9,10-dione derivatives as potential anticancer agents. <i>Il Farmaco</i> , <b>2000</b> , 55, 1-5		19
107	Relevance of ionic effects on norfloxacin uptake by Escherichia coli. <i>Biochemical Pharmacology</i> , <b>1990</b> , 40, 431-6	6	19
106	Novel antineoplastic agents. <i>Expert Opinion on Therapeutic Patents</i> , <b>1997</b> , 7, 1401-1426	6.8	18
105	Sequence specificity of psoralen photobinding to DNA: a quantitative approach. <i>Biochemistry</i> , <b>1992</b> , 31, 11818-22	3.2	18
104	Photoreaction of psoralen derivatives with structurally organized DNA. <i>Photochemistry and Photobiology</i> , <b>1987</b> , 45, 87-92	3.6	18
103	Interaction of deoxyribonucleic acid with anthracenedione derivatives. <i>International Journal of Biological Macromolecules</i> , <b>1983</b> , 5, 301-307	7.9	18
102	Clerocidin alkylates DNA through its epoxide function: evidence for a fine tuned mechanism of action. <i>Nucleic Acids Research</i> , <b>2003</b> , 31, 5149-56	20.1	17
101	Remarkable interference with telomeric function by a G-quadruplex selective bisantrene regioisomer. <i>Biochemical Pharmacology</i> , <b>2010</b> , 79, 1781-90	6	16

100	Antiviral 6-amino-quinolones: molecular basis for potency and selectivity. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2005</b> , 15, 4247-51	2.9	16
99	Methylfuroquinolinones: New furocoumarin isosters as potential photoreagents toward dna. <i>Journal of Heterocyclic Chemistry</i> , <b>1989</b> , 26, 917-922	1.9	16
98	Conformational state of lacrimal proteins adsorbed on contact lenses. <i>Current Eye Research</i> , <b>1985</b> , 4, 734-6	2.9	16
97	Sequencing and G-quadruplex folding of the canine proto-oncogene KIT promoter region: might dog be used as a model for human disease?. <i>PLoS ONE</i> , <b>2014</b> , 9, e103876	3.7	16
96	Heterocyclic dications as a new class of telomeric G-quadruplex targeting agents. <i>Current Pharmaceutical Design</i> , <b>2012</b> , 18, 1934-47	3.3	16
95	2-Phenylquinolones as inhibitors of the HIV-1 Tat-TAR interaction. <i>ChemMedChem</i> , <b>2009</b> , 4, 935-8	3.7	15
94	Antitumor AZA-anthrapyrazoles: biophysical and biochemical studies on 8- and 9-aza regioisomers. <i>Biochemical Pharmacology</i> , <b>2004</b> , 67, 631-42	6	15
93	Effects of common buffer systems on drug activity: the case of clerocidin. <i>Chemical Research in Toxicology</i> , <b>2004</b> , 17, 492-501	4	15
92	On the oxy analogues to the 3 leads to 1 intramolecularly hydrogen-bonded peptide conformations. <i>Macromolecules</i> , <b>1976</b> , 9, 420-4	5.5	15
91	Ni <sup>2+</sup> and Cu <sup>2+</sup> complexes of a phenanthroline-based ligand bind to G-quadruplexes at non-overlapping sites. <i>Chemical Communications</i> , <b>2013</b> , 49, 8057-9	5.8	14
90	Hot-spot consensus of fluoroquinolone-mediated DNA cleavage by Gram-negative and Gram-positive type II DNA topoisomerases. <i>Nucleic Acids Research</i> , <b>2007</b> , 35, 6075-85	20.1	14
89	N-Substituted Poly(β-amino acids). 1. Synthesis and Characterization of Poly(N-methyl-β-methyl L-glutamate) and Poly(N-methyl-β-ethyl L-glutamate). <i>Macromolecules</i> , <b>1978</b> , 11, 1041-1045	5.5	14
88	Effect of G-quadruplex polymorphism on the recognition of telomeric DNA by a metal complex. <i>PLoS ONE</i> , <b>2013</b> , 8, e58529	3.7	14
87	Telomeric G-quadruplex architecture and interactions with potential drugs. <i>Current Pharmaceutical Design</i> , <b>2014</b> , 20, 6489-509	3.3	14
86	Antitumor potential of aza-bioisosterism in anthracenedione-based drugs. <i>Current Topics in Medicinal Chemistry</i> , <b>2004</b> , 4, 219-30	3	14
85	Rational design, synthesis, and DNA binding properties of novel sequence-selective peptidyl congeners of ametantrone. <i>ChemMedChem</i> , <b>2010</b> , 5, 1080-91	3.7	13
84	Physicochemical properties, cytotoxic activity and topoisomerase II inhibition of 2,3-diaza-anthracenediones. <i>Biochemical Pharmacology</i> , <b>1997</b> , 53, 161-9	6	13
83	DNA gyrase requires DNA for effective two-site coordination of divalent metal ions: further insight into the mechanism of enzyme action. <i>Biochemistry</i> , <b>2008</b> , 47, 8538-45	3.2	13

82	Clerocidin selectively modifies the gyrase-DNA gate to induce irreversible and reversible DNA damage. <i>Nucleic Acids Research</i> , <b>2008</b> , 36, 5516-29	20.1	13
81	Concerted bis-alkylating reactivity of clerocidin towards unpaired cytosine residues in DNA. <i>Nucleic Acids Research</i> , <b>2004</b> , 32, 5658-67	20.1	13
80	Metal ion and inter-domain interactions as functional networks in E. coli topoisomerase I. <i>Gene</i> , <b>2013</b> , 524, 253-60	3.8	12
79	Inflammatory cytokine expression following the use of bipolar electrocoagulation, ultracision harmonic scalpel and cold knife biopsy. <i>Molecular Medicine Reports</i> , <b>2015</b> , 12, 2985-90	2.9	12
78	Folding versus charge: understanding selective target recognition by the thrombin aptamers. <i>Current Pharmaceutical Design</i> , <b>2012</b> , 18, 2027-35	3.3	12
77	Interactions of low-molecular-weight semi-synthetic sulfated heparins with human leukocyte elastase and human Cathepsin G. <i>Biochemical Pharmacology</i> , <b>2006</b> , 71, 287-93	6	12
76	A novel 9-aza-anthrapyrazole effective against human prostatic carcinoma xenografts. <i>Oncology</i> , <b>2001</b> , 61, 234-42	3.6	12
75	DNA-binding preferences of bisantrene analogues: relevance to the sequence specificity of drug-mediated topoisomerase II poisoning. <i>Molecular Pharmacology</i> , <b>1998</b> , 54, 1036-45	4.3	12
74	Simocyclinone D8 turns on against Gram-negative bacteria in a clinical setting. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2010</b> , 20, 1202-4	2.9	11
73	Liquid-crystalline structure of nucleic acids: effect of anthracycline drugs and copper ions. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>1997</b> , 15, 97-105	3.6	11
72	The effect of the minor groove binding agent DAPI (2-amidino-diphenyl-indole) on DNA-directed enzymes: an attempt to explain inhibition of plasmid expression in. <i>FEMS Microbiology Letters</i> , <b>1990</b> , 68, 341-346	2.9	11
71	Molecular weight distribution of hyaluronic acid by high-performance gel permeation chromatography. <i>Carbohydrate Research</i> , <b>1986</b> , 157, 269-272	2.9	11
70	Anthracycline antibiotics supported on water-soluble polysaccharides: synthesis and physicochemical characterization. <i>International Journal of Biological Macromolecules</i> , <b>1988</b> , 10, 66-74	7.9	11
69	Interaction of metal ions with gastrointestinal hormones. Binding of Ca <sup>2+</sup> to Nle11-minigastrin I. <i>FEBS Letters</i> , <b>1980</b> , 119, 158-60	3.8	11
68	New anthracenedione derivatives: interaction with DNA and biological effects. <i>Chemico-Biological Interactions</i> , <b>1983</b> , 44, 207-18	5	11
67	DNA phosphodiester bond hydrolysis mediated by Cu(II) and Zn(II) complexes of 1,3,5,-triamino-cyclohexane derivatives. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , <b>2000</b> , 19, 1265-71	1.4	10
66	Antiviral properties of psoralen derivatives: a biological and physico-chemical investigation. <i>Biochemical Pharmacology</i> , <b>1984</b> , 33, 3451-6	6	10
65	Differential targeting of unpaired bases within duplex DNA by the natural compound clerocidin: a valuable tool to dissect DNA secondary structure. <i>PLoS ONE</i> , <b>2012</b> , 7, e52994	3.7	9



64	Clerocidin interacts with the cleavage complex of <i>Streptococcus pneumoniae</i> topoisomerase IV to induce selective irreversible DNA damage. <i>Nucleic Acids Research</i> , <b>2006</b> , 34, 1982-91	20.1	9
63	Effects of sulfation on antithrombin-thrombin/factor Xa interactions in semisynthetic low molecular weight heparins. <i>Seminars in Thrombosis and Hemostasis</i> , <b>2001</b> , 27, 483-7	5.3	9
62	Adjustable cross-linking of neighboring DNA molecules in liquid-crystalline dispersions through (daunomycin-copper) polymeric chelate complexes. <i>International Journal of Biological Macromolecules</i> , <b>1996</b> , 19, 247-55	7.9	9
61	Phase I-II intraperitoneal mitoxantrone in advanced pretreated ovarian cancer. <i>European Journal of Cancer</i> , <b>1993</b> , 29A, 1242-8	7.5	9
60	Synthesis and conformational properties of polypeptides containing long aliphatic side chains. Poly(Nepsilon-stearyl-L-lysine) and poly(Nepsilon-pelargonyl-L-lysine). <i>Biopolymers</i> , <b>1975</b> , 14, 73-81	2.2	9
59	Reactivity of clerocidin towards adenine: implications for base-modulated DNA damage. <i>Organic and Biomolecular Chemistry</i> , <b>2009</b> , 7, 976-85	3.9	8
58	Antineoplastic agents 1998. <i>Expert Opinion on Therapeutic Patents</i> , <b>1998</b> , 8, 1627-1672	6.8	8
57	Synthesis and biological activity of new quinolone derivatives. <i>European Journal of Medicinal Chemistry</i> , <b>1993</b> , 28, 291-296	6.8	8
56	Photobiological activity of 3,4-dimethyl-8-methoxypsoralen, a linear furocoumarin with unusual DNA-binding properties. <i>Photochemistry and Photobiology</i> , <b>1990</b> , 52, 533-40	3.6	8
55	Polydepsipeptides II: Synthesis and Preliminary Conformational Studies of an Alternating $\alpha$ -Amino and $\beta$ -Hydroxy Acid Polymer. <i>Israel Journal of Chemistry</i> , <b>1974</b> , 12, 67-77	3.4	8
54	Metal Complexes of Poly( $\alpha$ -amino acids). Conformational Aspects of the Interaction between Cupric Ions and Poly(L-histidine)1. <i>Macromolecules</i> , <b>1978</b> , 11, 1271-1275	5.5	8
53	Virtual Cross-Linking of the Active Nemorubicin Metabolite PNU-159682 to Double-Stranded DNA. <i>Chemical Research in Toxicology</i> , <b>2017</b> , 30, 614-624	4	7
52	Novel ametantrone-amsacrine related hybrids as topoisomerase II $\beta$ poisons and cytotoxic agents. <i>Archiv Der Pharmazie</i> , <b>2014</b> , 347, 728-37	4.3	7
51	Synthesis, DNA-damaging and cytotoxic properties of novel topoisomerase II-directed bisantrene analogues. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>1998</b> , 8, 121-6	2.9	7
50	Conformational aspects of drug-DNA interactions: Studies on anthracycline antibiotics and psoralen derivatives. <i>Journal of Biosciences</i> , <b>1985</b> , 8, 689-697	2.3	7
49	N-Substituted Poly( $\alpha$ -amino acids). 2. Conformational Properties of Poly( $\beta$ -ethyl N-methyl-L-glutamate) in Various Solvent Mixtures. <i>Macromolecules</i> , <b>1979</b> , 12, 875-877	5.5	7
48	Molecular Basis for Differential Recognition of G-Quadruplex versus Double-Helix DNA by Bis-Phenanthroline Metal Complexes. <i>ChemMedChem</i> , <b>2016</b> , 11, 1762-9	3.7	6
47	A potentiometric and CD study on the beta-random coil transition of poly-L-tyrosine in aqueous solution. <i>International Journal of Peptide and Protein Research</i> , <b>1974</b> , 6, 457-63		6

46	Preferred interaction of D-peptidyl-anthraquinones with double-stranded B-DNA. <i>International Journal of Biological Macromolecules</i> , <b>1997</b> , 21, 319-26	7.9	6
45	Sensing biological effectors through the response of bridged nucleic acids and polynucleotides fixed in liquid-crystalline dispersions. <i>Biosensors and Bioelectronics</i> , <b>1998</b> , 13, 279-91	11.8	6
44	Effective DNA inhibitors of cathepsin g by in vitro selection. <i>International Journal of Molecular Sciences</i> , <b>2008</b> , 9, 1008-23	6.3	6
43	Remarkable lack of biological activity exhibited by a dna-reactive and water-soluble cis-bis(phosphino) platinum(II) complex. <i>Journal of the Chemical Society Dalton Transactions</i> , <b>1993</b> , 1547-1550		6
42	Conformational properties of topoisomerase II inhibitors and sequence specificity of DNA cleavage. <i>Journal of Molecular Recognition</i> , <b>1994</b> , 7, 227-31	2.6	6
41	Diethylaminopropionamido-hydroxy-anthraquinones as potential anticancer agents: synthesis and characterization. <i>Archiv Der Pharmazie</i> , <b>1989</b> , 322, 541-4	4.3	6
40	DNA-binding of water-soluble furocoumarins: a thermodynamic and conformational approach to understanding different biological effects. <i>Nucleic Acids Research</i> , <b>1984</b> , 12, 8567-78	20.1	6
39	Synthesis and conformational studies in solution of sequential copolypeptides: poly(L-prolyl-L-alpha-phenylglycyl-L-proline). <i>Biochemistry</i> , <b>1975</b> , 14, 485-91	3.2	6
38	Solution Properties of Synthetic Polypeptides. Synthesis and Conformational Properties of Poly(N $\epsilon$ -acetoacetyl-L-lysine), Poly(N $\epsilon$ -acetoacetyl-L-ornithine), and Poly(N $\epsilon$ -acetoacetyl-L-diaminobutyric acid) in Aqueous Solution. <i>Macromolecules</i> , <b>1973</b> , 6, 571-577	5.5	6
37	Discovery of RET and RET Inhibitors: From Hit to Lead. <i>ChemMedChem</i> , <b>2017</b> , 12, 1390-1398	3.7	5
36	Clerocidin-mediated DNA footprinting discriminates among different G-quadruplex conformations and detects tetraplex folding in a duplex environment. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2013</b> , 1830, 4660-8	4	5
35	Synthesis of 2H,9H-naphtho[2,3-b:7,6-b']dipyran-2,9-diones as potential DNA-reactive agents. <i>Il Farmaco</i> , <b>1998</b> , 53, 675-679		5
34	New Peptidyl-Anthraquinones: Synthesis and DNA Binding. <i>Nucleosides &amp; Nucleotides</i> , <b>1998</b> , 17, 2135-2141		5
33	The peculiar binding properties of 4Sdeoxy,4Siododoxorubicin to isolated DNA and 175 bp nucleosomes. <i>Nucleic Acids Research</i> , <b>1991</b> , 19, 5707-11	20.1	5
32	Pyrrolocoumarin derivatives: DNA-binding properties. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>1988</b> , 2, 435-42	6.7	5
31	Somatostatin-28: a conformational analysis. <i>Biopolymers</i> , <b>1981</b> , 20, 1741-5	2.2	5
30	Synthesis and conformational analysis of cyclo-TRI[ $\epsilon$ -valyl-d-hexahydromandelyl]. <i>Bioorganic Chemistry</i> , <b>1974</b> , 3, 184-203	5.1	5
29	Inhibitory effects of glycosaminoglycans on basal and stimulated transforming growth factor- $\beta$ expression in mesangial cells: biochemical and structural considerations. <i>Glycobiology</i> , <b>2011</b> , 21, 1029-37 <sup>5.8</sup>		4

28	Introduction to DNA sequence-specific agents. <i>Advances in DNA Sequence-Specific Agents</i> , <b>1998</b> , 3, 1-6		4
27	New hydroxy-amido-anthraquinones as potential antineoplastic drugs.. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>1992</b> , 2, 659-662	2.9	4
26	New anthracenediones with potential anticancer activity: synthesis and characterization of bis-diethylaminopropionamido derivatives. <i>Archiv Der Pharmazie</i> , <b>1988</b> , 321, 513-5	4.3	4
25	Aminoacyl-Anthraquinones: DNA-Binding and Sequence Specificity. <i>Jerusalem Symposia on Quantum Chemistry and Biochemistry</i> , <b>1990</b> , 207-224		4
24	Targeting Canine Promoter by Candidate DNA G-Quadruplex Ligands. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2018</b> , 367, 461-472	4.7	4
23	Dissecting reactivity of clerocidin toward common buffer systems by means of selected drug analogues. <i>Chemical Research in Toxicology</i> , <b>2005</b> , 18, 35-40	4	3
22	Modulation of antithrombin-protease interactions by semisynthetic low-molecular-weight heparins with different sulfation patterns. <i>Seminars in Thrombosis and Hemostasis</i> , <b>2003</b> , 29, 661-70	5.3	3
21	Alternative approaches to the discovery and development of telomerase-targeted anticancer drugs. <i>Mini-Reviews in Medicinal Chemistry</i> , <b>2003</b> , 3, 37-49	3.2	3
20	Conformational studies on synthetic polypeptides: poly (d-phenylglycine) and poly(d-cyclohexylglycine). <i>International Journal of Biological Macromolecules</i> , <b>1981</b> , 3, 91-96	7.9	3
19	Letter: Optical activity of the charge-transfer complex between poly-L-histidine hydrochloride and indole. <i>Biopolymers</i> , <b>1975</b> , 14, 431-2	2.2	3
18	Biologically relevant Cu <sup>2+</sup> complexes with a tridentate phenanthroline analogue: Structural properties and DNA damage. <i>Inorganica Chimica Acta</i> , <b>2015</b> , 434, 127-134	2.7	2
17	Topoisomerase I involvement in schedule-dependent interaction between 5-fluoro-uracil and irinotecan in the treatment of colorectal cancer. <i>Cancer Chemotherapy and Pharmacology</i> , <b>2009</b> , 64, 199-200	2.5	2
16	Further insight into the Zn <sup>2+</sup> -mediated binding of streptonigrin to DNA. <i>Il Farmaco</i> , <b>1998</b> , 53, 645-649		2
15	Anticancer agents: towards the future. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , <b>2004</b> , 4, 425-7		2
14	Inhibition of the cytochrome c/cytochrome c oxidase system by cytochrome c derivatives and related fragments. <i>Hoppe-Seyler's Zeitschrift Für Physiologische Chemie</i> , <b>1980</b> , 361, 1077-91		2
13	N-methyl poly(β-amino acids). Synthesis and preliminary conformational analysis of poly(N-methyl-β-methyl-L-glutamate). <i>Biopolymers</i> , <b>1978</b> , 17, 2519-2521	2.2	2
12	Effects of calcium ions on the interactions between antithrombin and factor Xa mediated by variously sulfated, semisynthetic low-molecular-weight heparins. <i>Seminars in Thrombosis and Hemostasis</i> , <b>2002</b> , 28, 355-60	5.3	1
11	6-hydroxy derivative as new desfluoroquinolone (DFQ): synthesis and DNA-binding study. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , <b>2000</b> , 19, 1327-36	1.4	1

10	Sequence-specific poisons of type II DNA topoisomerases. <i>Advances in DNA Sequence-Specific Agents</i> , <b>1998</b> , 7-38		1
9	Interaction of nucleosomes with anthracycline antibiotics: relevance to anticancer activity. <i>Biochemical Pharmacology</i> , <b>1988</b> , 37, 1871-2	6	1
8	Interaction of deoxyribonucleic acid with potential photobiological agents: a physicochemical investigation. <i>International Journal of Biological Macromolecules</i> , <b>1984</b> , 6, 203-210	7-9	1
7	Intermolecular indole-imidazolium complexes. II. Interaction of a block copolymer (L-tryptophan) <sub>n</sub> -(gamma-ethyl-DL-glutamate) <sub>m</sub> with imidazolium hydrochloride and poly(L-histidine hydrochloride). <i>Biopolymers</i> , <b>1977</b> , 16, 109-19	2.2	1
6	Inside Cover: Studies of Anti-HIV Transcription Inhibitor Quinolones: Identification of Potent N1-Vinyl Derivatives (ChemMedChem 11/2010). <i>ChemMedChem</i> , <b>2010</b> , 5, 1798-1798	3-7	
5	Fast-atom bombardment mass spectrometry of some pharmacologically relevant anthraquinone derivatives. <i>Rapid Communications in Mass Spectrometry</i> , <b>1995</b> , 9, 167-174	2.2	
4	Relevance of DNA binding to the mechanism of anti-herpesvirus activity of benzhydrazone. <i>Antiviral Research</i> , <b>1993</b> , 20, 305-16	10.8	
3	Interaction of polypeptides with metal ions. <i>Polymer Science USSR</i> , <b>1979</b> , 21, 3040-3045		
2	Thermodynamics and Stereochemistry of the Interaction between Anthraquinone Drugs and DNA <b>1987</b> , 185-198		
1	Intralesional topotecan in advanced ovarian cancer: a clinical report, based on a preclinical study. <i>Oncology Reports</i> , <b>2002</b> , 9, 1351-4	3-5	