

Daniela Montesarchio

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/620041/publications.pdf>

Version: 2024-02-01

153
papers

3,635
citations

147566

31
h-index

243296

44
g-index

161
all docs

161
docs citations

161
times ranked

4008
citing authors

#	ARTICLE	IF	CITATIONS
1	An overview on HMGB1 inhibitors as potential therapeutic agents in HMGB1-related pathologies. , 2014, 141, 347-357.		296
2	G-quadruplex-based aptamers against protein targets in therapy and diagnostics. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 1429-1447.	1.1	127
3	Polyvalent nucleic acid aptamers and modulation of their activity: a focus on the thrombin binding aptamer. , 2012, 136, 202-215.		89
4	Ion Transport through Lipid Bilayers by Synthetic Ionophores: Modulation of Activity and Selectivity. <i>Accounts of Chemical Research</i> , 2013, 46, 2781-2790.	7.6	89
5	Ruthenium-based complex nanocarriers for cancer therapy. <i>Biomaterials</i> , 2012, 33, 3770-3782.	5.7	71
6	Fluorescence Sensing Using DNA Aptamers in Cancer Research and Clinical Diagnostics. <i>Cancers</i> , 2017, 9, 174.	1.7	70
7	Interaction of Anticancer Ruthenium Compounds with Proteins: High-Resolution X-ray Structures and Raman Microscopy Studies of the Adduct between Hen Egg White Lysozyme and AziRu. <i>Inorganic Chemistry</i> , 2013, 52, 4157-4159.	1.9	67
8	Cholesterol-Based Nucleolipid-Ruthenium Complex Stabilized by Lipid Aggregates for Antineoplastic Therapy. <i>Bioconjugate Chemistry</i> , 2012, 23, 758-770.	1.8	60
9	Anticancer Ruthenium(III) Complexes and Ru(III)-Containing Nanoformulations: An Update on the Mechanism of Action and Biological Activity. <i>Pharmaceuticals</i> , 2019, 12, 146.	1.7	60
10	A New Competitive Fluorescence Assay for the Detection of Patulin Toxin. <i>Analytical Chemistry</i> , 2007, 79, 751-757.	3.2	59
11	G-quadruplex-based aptamers targeting human thrombin: Discovery, chemical modifications and antithrombotic effects. , 2021, 217, 107649.		55
12	Anticancer Cationic Ruthenium Nanovectors: From Rational Molecular Design to Cellular Uptake and Bioactivity. <i>Biomacromolecules</i> , 2013, 14, 2549-2560.	2.6	53
13	Cationic liposomes as efficient nanocarriers for the drug delivery of an anticancer cholesterol-based ruthenium complex. <i>Journal of Materials Chemistry B</i> , 2015, 3, 3011-3023.	2.9	52
14	G-Quadruplex Forming Oligonucleotides as Anti-HIV Agents. <i>Molecules</i> , 2015, 20, 17511-17532.	1.7	49
15	Antiproliferative effects of ruthenium-based nucleolipidic nanoaggregates in human models of breast cancer in vitro: insights into their mode of action. <i>Scientific Reports</i> , 2017, 7, 45236.	1.6	46
16	Exploring cellular uptake, accumulation and mechanism of action of a cationic Ru-based nanosystem in human preclinical models of breast cancer. <i>Scientific Reports</i> , 2019, 9, 7006.	1.6	46
17	5â€-Modified G-Quadruplex Forming Oligonucleotides Endowed with Anti-HIV Activity:Â Synthesis and Biophysical Properties. <i>Bioconjugate Chemistry</i> , 2007, 18, 1194-1204.	1.8	45
18	Synthesis, Biophysical Characterization, and Anti-HIV Activity of Glyco-Conjugated G-Quadruplex-Forming Oligonucleotides. <i>Bioconjugate Chemistry</i> , 2008, 19, 607-616.	1.8	45

#	ARTICLE	IF	CITATIONS
19	Nucleolipid nanovectors as molecular carriers for potential applications in drug delivery. <i>Molecular BioSystems</i> , 2011, 7, 3075.	2.9	45
20	Investigating the Ruthenium Metalation of Proteins: X-ray Structure and Raman Microspectroscopy of the Complex between RNase A and AziRu. <i>Inorganic Chemistry</i> , 2013, 52, 10714-10716.	1.9	42
21	Interaction of anticancer Ru(III) complexes with single stranded and duplex DNA model systems. <i>Dalton Transactions</i> , 2015, 44, 13914-13925.	1.6	42
22	Discovery of novel anti-HIV active G-quadruplex-forming oligonucleotides. <i>Chemical Communications</i> , 2011, 47, 2363-2365.	2.2	41
23	Design, Synthesis and Characterisation of Guanosine-Based Amphiphiles. <i>Chemistry - A European Journal</i> , 2011, 17, 13854-13865.	1.7	40
24	Ru(III) Complexes for Anticancer Therapy: The Importance of Being Nucleolipidic. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 1100-1119.	1.2	39
25	AS1411-decorated niosomes as effective nanocarriers for Ru(III)-based drugs in anticancer strategies. <i>Journal of Materials Chemistry B</i> , 2018, 6, 5368-5384.	2.9	39
26	Anti-VEGF DNA-based aptamers in cancer therapeutics and diagnostics. <i>Medicinal Research Reviews</i> , 2021, 41, 464-506.	5.0	39
27	A new ferrocenemethyl-thymidine nucleoside: Synthesis, incorporation into oligonucleotides and optical spectroscopic studies on the resulting single strand, duplex and triplex structures. <i>Tetrahedron</i> , 1999, 55, 14435-14450.	1.0	37
28	Antitumour activity of resveratrol on human melanoma cells: A possible mechanism related to its interaction with malignant cell telomerase. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 2843-2851.	1.1	37
29	G-Quadruplex on Oligo Affinity Support (G4-OAS): An Easy Affinity Chromatography-Based Assay for the Screening of G-Quadruplex Ligands. <i>Analytical Chemistry</i> , 2014, 86, 4126-4130.	3.2	36
30	Fluorescent Thrombin Binding Aptamer-Tagged Nanoparticles for an Efficient and Reversible Control of Thrombin Activity. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 35574-35587.	4.0	36
31	Exploring the conformational behaviour and aggregation properties of lipid-conjugated AS1411 aptamers. <i>International Journal of Biological Macromolecules</i> , 2018, 118, 1384-1399.	3.6	36
32	Fluorescence Enhancement upon G-Quadruplex Folding: Synthesis, Structure, and Biophysical Characterization of a Dansyl/Cyclodextrin-Tagged Thrombin Binding Aptamer. <i>Bioconjugate Chemistry</i> , 2013, 24, 1917-1927.	1.8	35
33	Tandem application of ligand-based virtual screening and G4-OAS assay to identify novel G-quadruplex-targeting chemotypes. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 1341-1352.	1.1	35
34	Disentangling the Structure-Activity Relationships of Naphthalene Diimides as Anticancer G-Quadruplex-Targeting Drugs. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 3578-3603.	2.9	33
35	A new solid-phase synthesis of oligonucleotides 3'-conjugated with peptides. <i>Bioorganic and Medicinal Chemistry</i> , 1999, 7, 395-400.	1.4	32
36	Solid phase synthesis of oligonucleotides tethered to oligo-glucose phosphate tails. <i>Tetrahedron</i> , 2002, 58, 6697-6704.	1.0	32

#	ARTICLE	IF	CITATIONS
37	A first-in-class and a fished out anticancer platinum compound: cis-[PtCl ₂ (NH ₃) ₂] and cis-[Pt ₂ (NH ₃) ₃] ₂ compared for their reactivity towards DNA model systems. Dalton Transactions, 2016, 45, 8587-8600.	1.6	32
38	Insights into the G-rich VEGF-binding aptamer V7t1: when two G-quadruplexes are better than one!. Nucleic Acids Research, 2019, 47, 8318-8331.	6.5	32
39	1-Substituted 2'-deoxyinosine analogues. Journal of the Chemical Society Perkin Transactions 1, 1997, , 2079-2082.	0.9	31
40	Novel Amphiphilic Cyclic Oligosaccharides: Synthesis and Self-Aggregation Properties. Journal of Organic Chemistry, 2007, 72, 9679-9689.	1.7	31
41	A new design for nucleolipid-based Ru(III) complexes as anticancer agents. Dalton Transactions, 2013, 42, 16697.	1.6	31
42	Trifluoromethyl derivatives of canonical nucleosides: synthesis and bioactivity studies. MedChemComm, 2013, 4, 1405.	3.5	30
43	Glycomimetics as Decorating Motifs for Oligonucleotides: Solid-Phase Synthesis, Stability, and Hybridization Properties of Carbopeptoid Oligonucleotide Conjugates. Bioconjugate Chemistry, 2005, 16, 1299-1309.	1.8	29
44	On the binding of naphthalene diimides to a human telomeric G-quadruplex multimer model. International Journal of Biological Macromolecules, 2021, 166, 1320-1334.	3.6	29
45	An Efficient and Versatile Solid-Phase Synthesis of 5'- and 3'-Conjugated Oligonucleotides. Organic Letters, 2005, 7, 4927-4930.	2.4	28
46	Cyclic Phosphate-Linked Oligosaccharides: Synthesis and Conformational Behavior of Novel Cyclic Oligosaccharide Analogues. Journal of Organic Chemistry, 2006, 71, 3395-3408.	1.7	28
47	PEG-Supported Synthesis of Cyclic Oligodeoxyribonucleotides. Nucleosides & Nucleotides, 1993, 12, 21-30.	0.5	27
48	Synthesis of [1- ¹⁵ N]-Labeled 2'-Deoxyinosine and 2'-Deoxyadenosine. Journal of Organic Chemistry, 1995, 60, 2251-2253.	1.7	27
49	Phosphocholine-decorated superparamagnetic iron oxide nanoparticles: defining the structure and probing in vivo applications. Nanoscale, 2016, 8, 10078-10086.	2.8	27
50	Shedding light on the interaction of polydatin and resveratrol with G-quadruplex and duplex DNA: a biophysical, computational and biological approach. International Journal of Biological Macromolecules, 2020, 151, 1163-1172.	3.6	27
51	Nanoparticle-Guided Brain Drug Delivery: Expanding the Therapeutic Approach to Neurodegenerative Diseases. Pharmaceutics, 2021, 13, 1897.	2.0	27
52	Synthesis, self-aggregation and bioactivity properties of a cationic aminoacyl surfactant, based on a new class of highly functionalized nucleolipids. European Journal of Medicinal Chemistry, 2012, 57, 429-440.	2.6	26
53	Dimeric and Multimeric DNA Aptamers for Highly Effective Protein Recognition. Molecules, 2020, 25, 5227.	1.7	26
54	Design, Synthesis and Characterisation of a Fluorescently Labelled CyPLOS Ionophore. Chemistry - A European Journal, 2010, 16, 13757-13772.	1.7	25

#	ARTICLE	IF	CITATIONS
55	Breast Cancer Chemotherapeutic Options: A General Overview on the Preclinical Validation of a Multi-Target Ruthenium(III) Complex Lodged in Nucleolipid Nanosystems. <i>Cells</i> , 2020, 9, 1412.	1.8	25
56	Modulating the activity of oligonucleotides by carbohydrate conjugation: solid phase synthesis of sucrose-oligonucleotide hybrids. <i>Organic and Biomolecular Chemistry</i> , 2004, 2, 1879.	1.5	24
57	Controlled Pore Glass-based oligonucleotide affinity support: towards High Throughput Screening methods for the identification of conformation-selective G-quadruplex ligands. <i>Analytica Chimica Acta</i> , 2018, 1030, 133-141.	2.6	24
58	Tailoring a lead-like compound targeting multiple G-quadruplex structures. <i>European Journal of Medicinal Chemistry</i> , 2019, 163, 295-306.	2.6	24
59	In-water reactivity of nucleosides and nucleotides: one-step preparation and biological evaluation of novel ferrocenyl-derivatives. <i>Tetrahedron</i> , 2004, 60, 6555-6563.	1.0	23
60	CyPLOS: a new family of synthetic ionophores. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 1060.	1.5	23
61	Fine-tuning the properties of the thrombin binding aptamer through cyclization: Effect of the 5' and 3' connecting linker on the aptamer stability and anticoagulant activity. <i>Bioorganic Chemistry</i> , 2020, 94, 103379.	2.0	23
62	Design, Synthesis and Characterization of Cyclic NU172 Analogues: A Biophysical and Biological Insight. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3860.	1.8	23
63	Automated solid phase synthesis of cyclic oligonucleotides: a further improvement. <i>Bioorganic and Medicinal Chemistry</i> , 1995, 3, 1325-1329.	1.4	22
64	Benzodifuran Derivatives as Potential Antiproliferative Agents: Possible Correlation between Their Bioactivity and Aggregation Properties. <i>ChemPlusChem</i> , 2017, 82, 251-260.	1.3	22
65	Stability Is Not Everything: The Case of the Cyclisation of a Thrombin-Binding Aptamer. <i>ChemBioChem</i> , 2019, 20, 1789-1794.	1.3	22
66	Interference of Polydatin/Resveratrol in the ACE2:Spike Recognition during COVID-19 Infection. A Focus on Their Potential Mechanism of Action through Computational and Biochemical Assays. <i>Biomolecules</i> , 2021, 11, 1048.	1.8	22
67	Solid-Phase Synthesis of Cyclic PNA and PNA~DNA Chimeras. <i>Organic Letters</i> , 2006, 8, 2015-2018.	2.4	21
68	Developing functionalized Fe ₃ O ₄ @Au nanoparticles: a physico-chemical insight. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 6087-6097.	1.3	21
69	Benzodifurans for biomedical applications: BZ4, a selective anti-proliferative and anti-amyloid lead compound. <i>Future Medicinal Chemistry</i> , 2019, 11, 285-302.	1.1	21
70	Synthesis and Triple Helix Formation by Alternate Strand Recognition of Oligonucleotides Containing 3'~3' Phosphodiester Bonds. <i>Journal of Organic Chemistry</i> , 1997, 62, 9024-9030.	1.7	20
71	The role of G-quadruplex structures of LIGS-generated aptamers R1.2 and R1.3 in IgM specific recognition. <i>International Journal of Biological Macromolecules</i> , 2019, 133, 839-849.	3.6	20
72	Trifunctionalized Naphthalene Diimides and Dimeric Analogues as G-Quadruplex-Targeting Anticancer Agents Selected by Affinity Chromatography. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1964.	1.8	20

#	ARTICLE	IF	CITATIONS
73	Carbohydrate-based synthetic ion transporters. <i>Carbohydrate Research</i> , 2012, 356, 62-74.	1.1	19
74	Huntingtin protein: A new option for fixing the Huntington's disease countdown clock. <i>Neuropharmacology</i> , 2018, 135, 126-138.	2.0	19
75	On the interaction of an anticancer trisubstituted naphthalene diimide with G-quadruplexes of different topologies: a structural insight. <i>Nucleic Acids Research</i> , 2020, 48, 12380-12393.	6.5	19
76	Excess electron transfer in G-quadruplex. <i>Chemical Communications</i> , 2004, , 1756-1757.	2.2	17
77	On the Compatibility of Azides in Phosphoramidite-Based Couplings: Synthesis of a Novel, Convertible Azido-Functionalized CypLOS Analogue. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 1155-1165.	1.2	17
78	Plant-Derived Stilbenoids as DNA-Binding Agents: From Monomers to Dimers. <i>Chemistry - A European Journal</i> , 2021, 27, 8832-8845.	1.7	17
79	Synthesis and characterization of new 3'-3' linked oligodeoxyribonucleotides for alternate strand triple helix formation. <i>Tetrahedron</i> , 1999, 55, 9899-9914.	1.0	16
80	New nucleoside based solid supports. Synthesis of 5',3'-derivatized thymidine analogues Electronic supplementary information (ESI) available: experimental details. See http://www.rsc.org/suppdata/cc/b1/b107200p/ . <i>Chemical Communications</i> , 2001, , 2598-2599.	2.2	16
81	Solid phase synthesis of DNA-PNA chimeras by using Bhoc/Fmoc PNA monomers. <i>Tetrahedron</i> , 2001, 57, 9481-9486.	1.0	16
82	Anti-HIV activity of new higher order G-quadruplex aptamers obtained from tetra-end-linked oligonucleotides. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 2349-2355.	1.5	16
83	“Dressing up” an Old Drug: An Aminoacyl Lipid for the Functionalization of Ru(III)-Based Anticancer Agents. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 163-174.	2.6	16
84	Synthesis and NMR characterization of a novel crown-ether ring-fused uridine analogue. <i>Tetrahedron</i> , 2010, 66, 6769-6774.	1.0	15
85	Elucidating the reactivity of Pt(II) complexes with (O,S) bidentate ligands towards DNA model systems. <i>Journal of Inorganic Biochemistry</i> , 2016, 160, 198-209.	1.5	15
86	Interfacing aptamers, nanoparticles and graphene in a hierarchical structure for highly selective detection of biomolecules in OECT devices. <i>Scientific Reports</i> , 2021, 11, 9380.	1.6	15
87	Synthesis of 4-Substituted Pyrimidine 2',3'-Dideoxynucleosides. <i>Nucleosides & Nucleotides</i> , 1991, 10, 1719-1728.	0.5	14
88	Reaction of 3',5'-di-O-acetyl-2'-deoxyinosine with the chlorinating agent PPh ₃ -CCl ₄ : synthesis of the 6-chloroderivative and of a new base linked dimer, useful intermediate to 15N-1-labelled 2'-deoxyinosine. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1994, , 923-925.	0.9	14
89	Synthesis and Preliminary Biological Evaluation of a New Pyridocarbazole Derivative Covalently Linked to a Thymidine Nucleoside as a Potential Targeted Antitumoral Agent. I. <i>Chemical and Pharmaceutical Bulletin</i> , 2003, 51, 971-974.	0.6	14
90	Safety and Efficacy Evaluation In Vivo of a Cationic Nucleolipid Nanosystem for the Nanodelivery of a Ruthenium(III) Complex with Superior Anticancer Bioactivity. <i>Cancers</i> , 2021, 13, 5164.	1.7	14

#	ARTICLE	IF	CITATIONS
91	Synthesis of thymidine dimers containing a new internucleosidic amide linkage and their incorporation into oligodeoxyribonucleotides. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1995, 5, 1647-1652.	1.0	13
92	Synthetic studies on the glycosylation of the base residues of inosine and uridine. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1999, , 3489-3493.	0.9	13
93	Solid-Phase Synthesis of Glyco-Oligonucleotide Conjugates. <i>Synlett</i> , 2001, 2001, 0745-0748.	1.0	13
94	Tuning the Polymorphism of the Anti-VEGF G-rich V7t1 Aptamer by Covalent Dimeric Constructs. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1963.	1.8	13
95	Automated Synthesis of Cyclic Oligodeoxyribonucleotides via Phosphoramidite Method. <i>Nucleosides & Nucleotides</i> , 1993, 12, 351-358.	0.5	12
96	Design, Synthesis, and Hybridisation of Water-Soluble, Peptoid Nucleic Acid Oligomers Tagged with Thymine. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 6113-6120.	1.2	12
97	Synthesis and conformational analysis of a novel carbohydrate-fused bis-crown ether: crown-CyPLOS. <i>Tetrahedron</i> , 2009, 65, 9694-9701.	1.0	12
98	Identification of Effective Anticancer G-Quadruplex-Targeting Chemotypes through the Exploration of a High Diversity Library of Natural Compounds. <i>Pharmaceutics</i> , 2021, 13, 1611.	2.0	12
99	Improved synthesis of isoguanosine and 6-substituted xanthosine derivatives. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1995, , 15.	0.9	11
100	Nanostructuring of CyPLOS (Cyclic Phosphate-Linked OligoSaccharides), novel saccharide-based synthetic ion transporters. <i>Journal of Colloid and Interface Science</i> , 2011, 354, 718-724.	5.0	11
101	Synthesis, DNA binding studies, and antiproliferative activity of novel Pt(II)-complexes with an L-alanyl-based ligand. <i>Journal of Inorganic Biochemistry</i> , 2020, 203, 110868.	1.5	11
102	Charge-Transfer Interactions Stabilize G-Quadruplex-Forming Thrombin Binding Aptamers and Can Improve Their Anticoagulant Activity. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9510.	1.8	11
103	On the mechanism of ion transport through lipid membranes mediated by PEGylated cyclic oligosaccharides (CyPLOS): An ESR study. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013, 1828, 2074-2082.	1.4	10
104	A Facile Solid-Phase Strategy for the Synthesis of Oligonucleotide-Tetraphenylporphyrin Conjugates. <i>European Journal of Organic Chemistry</i> , 2000, 2000, 1013-1018.	1.2	9
105	Synthesis of a Cholesteryl-HEG Phosphoramidite Derivative and Its Application to Lipid-conjugates of the Anti-HIV 5'TGGGAG3' Hotspot's Sequence. <i>Molecules</i> , 2012, 17, 12378-12392.	1.7	9
106	On the pH-Modulated Ru-Based Prodrug Activation Mechanism. <i>Inorganic Chemistry</i> , 2019, 58, 1216-1223.	1.9	9
107	Natural compounds from <i>Juncus</i> plants interacting with telomeric and oncogene G-quadruplex structures as potential anticancer agents. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 9953-9965.	1.5	9
108	Affinity Chromatography-Based Assays for the Screening of Potential Ligands Selective for G-Quadruplex Structures. <i>ChemistryOpen</i> , 2022, 11, .	0.9	9

#	ARTICLE	IF	CITATIONS
109	Bioengineered lipophilic Ru(III) complexes as potential anticancer agents. , 2022, 139, 213016.		9
110	Synthesis of 2â€²,3â€²-dideoxy-2â€²,3â€²-didehydronucleoside analogues as potential anti HIV agents. Bioorganic and Medicinal Chemistry Letters, 1992, 2, 315-318.	1.0	8
111	Thermodynamics of a 24-Mer Triple Helix Formation and Stability. Magyar AprÃ³szemlÅ©nyek, 1999, 56, 1177-1184.	1.4	8
112	Effect of lengthening of peptide backbone by insertion of chiral ?-homo amino acid residues: Conformational behavior of linear peptides containing alternating L-leucine and ?-homo L-leucine residues. Biopolymers, 2000, 53, 140-149.	1.2	8
113	Physico-chemical studies of a DNA triplex containing a new ferrocenemethyl-thymidine residue in the third strand. Biophysical Chemistry, 2003, 104, 259-270.	1.5	8
114	DNA Binding Mode Analysis of a Core-Extended Naphthalene Diimide as a Conformation-Sensitive Fluorescent Probe of G-Quadruplex Structures. International Journal of Molecular Sciences, 2021, 22, 10624.	1.8	8
115	A Facile Solid-Phase Synthesis of Oligonucleotides Containing a 3â€²â€² Phosphodiester Bond for Alternate Strand Triple-Helix Formation. European Journal of Organic Chemistry, 1998, 1998, 2119-2125.	1.2	7
116	An efficient solid phase synthesis of 5â€²-phosphodiester and phosphoramidate monoester nucleoside analogues. Chemical Communications, 2005, , 2586.	2.2	7
117	Protection of Thymidine with Boc for an Easy Synthetic Access to Sugarâ€Alkylated Nucleoside Analogs. Chemistry and Biodiversity, 2012, 9, 589-597.	1.0	7
118	Fighting the Huntingtonâ€™s Disease with a G-Quadruplex-Forming Aptamer Specifically Binding to Mutant Huntingtin Protein: Biophysical Characterization, In Vitro and In Vivo Studies. International Journal of Molecular Sciences, 2022, 23, 4804.	1.8	7
119	Crystal-state conformation of C?,?-dialkylated peptides containing chiral ?-homo-residues. Journal of Peptide Science, 2001, 7, 15-26.	0.8	6
120	Targeting duplex DNA with DNA-PNA chimeras? Physico-chemical characterization of a triplex DNA-PNA/DNA/DNA. Biopolymers, 2004, 73, 434-442.	1.2	6
121	Novel Cyclic Phosphate-Linked Oligosaccharides (CyPLOSs) Covalently Immobilized on Solid Supports for Potential Cation Scavenging. European Journal of Organic Chemistry, 2007, 2007, 3849-3858.	1.2	6
122	Lipooligosaccharides as Amphiphiles to Build Liposomes for Effective Drug Delivery: The Case of Anticancer Ruthenium Complexâ€Based Aggregates. ChemistrySelect, 2016, 1, 2129-2139.	0.7	6
123	6-Chloroxanthosine, a Useful Intermediate for the Efficient Syntheses of [6- ¹⁵ N]-Isoguanosine, Isoinosine and Other Purine Nucleoside Analogues. Nucleosides & Nucleotides, 1997, 16, 183-191.	0.5	5
124	Calorimetric, spectroscopic and computational investigation of DNA triplexes containing a 3â€²â€² internucleoside junction. Physical Chemistry Chemical Physics, 1999, 1, 5045-5049.	1.3	5
125	Physico-chemical studies on DNA triplexes containing an alternate third strand with a non-nucleotide linker. International Journal of Biological Macromolecules, 2001, 28, 387-394.	3.6	5
126	lonophores at work: Exploring the interaction of guanosine-based amphiphiles with phospholipid membranes. Biochimica Et Biophysica Acta - Biomembranes, 2017, 1859, 2392-2401.	1.4	5

#	ARTICLE	IF	CITATIONS
127	Synthesis, Antiproliferative Activity, and DNA Binding Studies of Nucleoamino Acid-Containing Pt(II) Complexes. <i>Pharmaceuticals</i> , 2020, 13, 284.	1.7	5
128	A new synthesis of oxanosine and 2- β -deoxyoxanosine. <i>Tetrahedron Letters</i> , 1998, 39, 7397-7400.	0.7	4
129	New Solid Supports Linking Nucleoside Scaffolds. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2003, 22, 695-697.	0.4	4
130	Synthesis and DNA Binding Properties of DNA-PNA Chimeras. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2003, 22, 1089-1091.	0.4	4
131	Hairpin ODN-based ligands as potential inhibitors of HMGB1 cytokine activity. <i>RSC Advances</i> , 2013, 3, 12176.	1.7	4
132	Guanine-based amphiphiles: synthesis, ion transport properties and biological activity. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 1149-1156.	1.4	4
133	Synthesis and conformation of dipeptide taste ligands containing homo- β -amino acid residues. <i>Journal of Physical Organic Chemistry</i> , 1999, 12, 577-587.	0.9	3
134	New 3-3 Linkers for Alternate Strand Triplex Forming Oligonucleotides. <i>Nucleosides & Nucleotides</i> , 1999, 18, 1639-1640.	0.5	3
135	Glycosylations of Inosine and Uridine Nucleoside Bases and Synthesis of the New 1- β -D-Glucopyranosyl)-Inosine-5- β , 6- β -3-diphosphate. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2000, 19, 1289-1299.	0.4	3
136	Cyclic Uridine Diphosphate Glucose: A New Pyrimidine Analog of Cyclic ADP Ribose. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2003, 22, 663-666.	0.4	3
137	G-quadruplex forming oligonucleotides as finely tunable aptamers: towards better DNA mimics. <i>Nucleic Acids Symposium Series</i> , 2008, 52, 9-10.	0.3	3
138	Synthesis and Biophysical Characterization of G-Rich Oligonucleotides Conjugated with Sugar-Phosphate Tails. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2007, 26, 1225-1229.	0.4	2
139	G-Quadruplex Nucleic Acids. <i>Journal of Nucleic Acids</i> , 2010, 2010, 1-2.	0.8	2
140	Not unusual, just different! Chemistry, biology and applications of G-quadruplex nucleic acids. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 1201-1204.	1.1	2
141	Synthesis and Characterization of Multifunctional Nanovesicles Composed of POPC Lipid Molecules for Nuclear Imaging. <i>Molecules</i> , 2021, 26, 6591.	1.7	2
142	Improved Synthesis of 2- β ,3- β -Dideoxycytidine (d2C) and Its Correlated Nucleoside Analogues. <i>Nucleosides & Nucleotides</i> , 1993, 12, 981-992.	0.5	1
143	Title is missing!. <i>International Journal of Peptide Research and Therapeutics</i> , 1997, 4, 129.	0.1	1
144	β -amino acid residues: Conformational characterization of an N- and C-protected homo- β -(S)-leucine. <i>International Journal of Peptide Research and Therapeutics</i> , 1997, 4, 129-134.	0.1	1

#	ARTICLE	IF	CITATIONS
145	Thermodynamic and conformational properties of DNA triplexes containing 3'→3'-phosphodiester bond. <i>Thermochimica Acta</i> , 2001, 372, 129-136.	1.2	1
146	Oligonucleotides containing a lysine residue as 3'→3' junction for alternate strand triple helix formation. <i>Bioorganic and Medicinal Chemistry</i> , 2001, 9, 2895-2900.	1.4	1
147	New Nucleoside-Based Polymeric Supports for the Solid Phase Synthesis of Ribose-Modified Nucleoside Analogues. <i>Synlett</i> , 2004, 2004, 1975-1979.	1.0	1
148	2-(Phenylthio)ethyl as a Novel Two-Stage Base Protecting Group for Thymidine Analogues. <i>Synlett</i> , 2006, 2006, 845-848.	1.0	1
149	A versatile synthetic approach for the development of libraries of 5', 3'-bis-conjugated oligonucleotides. <i>Nucleic Acids Symposium Series</i> , 2008, 52, 299-300.	0.3	1
150	Crown ether ring-fused nucleosides: synthesis and conformational properties. <i>Nucleic Acids Symposium Series</i> , 2008, 52, 667-668.	0.3	1
151	Cyclic phosphate-linked oligosaccharides (CyPLOS): Novel carbohydrate-based synthetic ion transporters. <i>Pure and Applied Chemistry</i> , 2011, 84, 87-96.	0.9	1
152	Studies on Alternate Strand Triple Helix Formation by Oligodeoxyribonucleotides Containing A 3'→3' Phosphodiester Bond. <i>Nucleosides & Nucleotides</i> , 1998, 17, 1709-1716.	0.5	0
153	Fully automated synthesis of peptide-oligonucleotide conjugates. , 2002, , 784-785.		0