Roberto Corradini

List of Publications by Year
in descending order

185	5,802	66234	106150
papers	citations	42 h-index	65 g-index

191	191	191	5466
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fluorescent Chemosensor for Organic Guests and Copper(II) Ion Based on Dansyldiethylenetriamine-Modified Î²-Cyclodextrin. Journal of Organic Chemistry, 1997, 62, 6283-6289.	1.7	192
2	Occurrence of deoxynivalenol and its 3-Î²-D-glucoside in wheat and maize. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2009, 26, 507-511.	1.1	163
3	Insights into peptide nucleic acid (PNA) structural features: The crystal structure of a D-lysine-based chiral PNA-DNA duplex. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 12021-12026.	3.3	143
4	Chirality as a tool in nucleic acid recognition: Principles and relevance in biotechnology and in medicinal chemistry. Chirality, 2007, 19, 269-294.	1.3	127
5	Breakable Hybrid Organosilica Nanocapsules for Protein Delivery. Angewandte Chemie - International Edition, 2016, 55, 3323-3327.	7.2	126
6	Enantioselective Fluorescence Sensing of Amino Acids by Modified Cyclodextrins: Role of the Cavity and Sensing Mechanism. Chemistry - A European Journal, 2004, 10, 2749-2758.	1.7	121
7	Combined Delivery of Temozolomide and Anti-miR221 PNA Using Mesoporous Silica Nanoparticles Induces Apoptosis in Resistant Glioma Cells. Small, 2015, 11, 5687-5695.	5.2	121
8	A Modified Cyclodextrin with a Fully Encapsulated Dansyl Group: Selfâ€inclusion in the Solid State and in Solution. Chemistry - A European Journal, 1996, 2, 373-381.	1.7	105
9	Chiral Recognition and Separation of Amino Acids by Means of a Copper(II) Complex of Histamine Monofunctionalized .beta.-Cyclodextrin. Journal of the American Chemical Society, 1994, 116, 10267-10274.	6.6	100
10	Targeting microRNAs involved in human diseases: A novel approach for modification of gene expression and drug development. Biochemical Pharmacology, 2011, 82, 1416-1429.	2.0	100
11	Anti-gene peptide nucleic acid specifically inhibits MYCN expression in human neuroblastoma cells leading to cell growth inhibition and apoptosis. Molecular Cancer Therapeutics, 2005, 4, 779-786.	1.9	86
12	Enantioselective Sensing by Luminescence. Topics in Current Chemistry, 2010, 300, 175-216.	4.0	86
13	Detection of unamplified genomic DNA by a PNA-based microstructured optical fiber (MOF) Bragg-grating optofluidic system. Biosensors and Bioelectronics, 2015, 63, 248-254.	5.3	86
14	DNA Binding of AD-Lysine-Based Chiral PNA: Direction Control and Mismatch Recognition. European Journal of Organic Chemistry, 2000, 2000, 2905-2913.	1.2	83
15	Chiral introduction of positive charges to PNA for double-duplex invasion to versatile sequences. Nucleic Acids Research, 2008, 36, 1464-1471.	6.5	80
16	Ultrasensitive detection of non-amplified genomic DNA by nanoparticle-enhanced surface plasmon resonance imaging. Biosensors and Bioelectronics, 2010, 25, 2095-2100.	5.3	76
17	Development of a Peptide Nucleic Acid Array Platform for the Detection of Genetically Modified Organisms in Food. Journal of Agricultural and Food Chemistry, 2005, 53, 3958-3962.	2.4	74
18	Antitumor Activity of Sustained N-Myc Reduction in Rhabdomyosarcomas and Transcriptional Block by Antigene Therapy. Clinical Cancer Research, 2012, 18, 796-807.	3.2	74

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19	Ultrasensitive Detection of DNA by PNA and Nanoparticleâ€Enhanced Surface Plasmon Resonance Imaging. ChemBioChem, 2008, 9, 2067-2070.	1.3	73
20	Dansylated Polyamines as Fluorescent Sensors for Metal Ions: Photophysical Properties and Stability of Copper(II) Complexes in Solution. Helvetica Chimica Acta, 2001, 84, 690-706.	1.0	72
21	Toward A Highly Specific DNA Biosensor: PNA-Modified Suspended-Core Photonic Crystal Fibers. IEEE Journal of Selected Topics in Quantum Electronics, 2010, 16, 967-972.	1.9	72
22	Peptide Nucleic Acids with a Structurally Biased Backbone. Updated Review and Emerging Challenges. Current Topics in Medicinal Chemistry, 2011, 11, 1535-1554.	1.0	72
23	Modulation of the Biological Activity of microRNAâ€210 with Peptide Nucleic Acids (PNAs). ChemMedChem, 2011, 6, 2192-2202.	1.6	72
24	Calcein-AM is a detector of intracellular oxidative activity. Histochemistry and Cell Biology, 2000, 122, 499-505.	0.8	69
25	6-Deoxy-6-N-histamino-Î²-cyclodextrin Copper(II) Complex, a New Enantioselective Receptor for Aromatic Amino Acids. Angewandte Chemie International Edition in English, 1991, 30, 1348-1349.	4.4	67
26	Peptide nucleic acids targeting miR-221 modulate p27Kip1 expression in breast cancer MDA-MB-231 cells. International Journal of Oncology, 2012, 41, 2119-2127.	1.4	67
27	Histamine-modified Î²-cyclodextrins for the enantiomeric separation of dansyl-amino acids in capillary electrophoresis. Electrophoresis, 1997, 18, 905-911.	1.3	65
28	Induction of Helical Handedness and DNA Binding Properties of Peptide Nucleic Acids (PNAs) with Two Stereogenic Centres. European Journal of Organic Chemistry, 2007, 2007, 5879-5885.	1.2	64
29	Label-free DNA biosensor based on a peptide nucleic acid-functionalized microstructured optical fiber-Bragg grating. Journal of Biomedical Optics, 2013, 18, 057004.	1.4	64
30	High levels of apoptosis are induced in human glioma cell lines by co-administration of peptide nucleic acids targeting miR-221 and miR-222. International Journal of Oncology, 2016, 48, 1029-1038.	1.4	62
31	Enantioselective sensing of amino acids by copper(II) complexes of phenylalanine-based fluorescent Î²-cyclodextrins. Tetrahedron Letters, 2000, 41, 3691-3695.	0.7	61
32	Enhanced recognition of cystic fibrosis W1282X DNA point mutation by chiral peptide nucleic acid probes by a surface plasmon resonance biosensor. Journal of Molecular Recognition, 2004, 17, 76-84.	1.1	59
33	Synthesis of new chiral PNAs bearing a dipeptide-mimic monomer with two lysine-derived stereogenic centres. Tetrahedron Letters, 2005, 46, 8395-8399.	0.7	59
34	Food analysis and food authentication by peptide nucleic acid (PNA)-based technologies. Chemical Society Reviews, 2011, 40, 221-232.	18.7	58
35	Uptake by human glioma cell lines and biological effects of a peptide-nucleic acids targeting miR-221. Journal of Neuro-Oncology, 2014, 118, 19-28.	1.4	57
36	Cellular Uptakes, Biostabilities and Antiâ€miRâ€210 Activities of Chiral Argincineâ€PNAs in Leukaemic K562 Cells. ChemBioChem, 2012, 13, 1327-1337.	1.3	56

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37	Peptide Nucleic Acids and Biosensor Technology for Real-Time Detection of the Cystic Fibrosis W1282X Mutation by Surface Plasmon Resonance. Laboratory Investigation, 2001, 81, 1415-1427.	1.7	50
38	Fast parallel enantiomeric analysis of unmodified amino acids by sensing with fluorescent Î²-cyclodextrins. Journal of Materials Chemistry, 2005, 15, 2741.	6.7	50
39	Efficient cell penetration and delivery of peptide nucleic acids by an argininocalix[4]arene. Scientific Reports, 2019, 9, 3036.	1.6	46
40	Histamine-modified cationic Î²-cyclodextrins as chiral selectors for the enantiomeric separation of hydroxy acids and carboxylic acids by capillary electrophoresis. Electrophoresis, 1999, 20, 2619-2629.	1.3	45
41	A PNA-array platform for the detection of hidden allergens in foodstuffs. European Food Research and Technology, 2006, 223, 1-6.	1.6	45
42	Detection of Genetically Modified Soybean Using Peptide Nucleic Acids (PNAs) and Microarray Technology. Journal of Agricultural and Food Chemistry, 2004, 52, 4535-4540.	2.4	43
43	Intracellular Delivery of Peptide Nucleic Acid and Organic Molecules Using Zeoliteâ€Ł Nanocrystals. Advanced Healthcare Materials, 2014, 3, 1812-1817.	3.9	43
44	Optical Fiber Sensors for Label-Free DNA Detection. Journal of Lightwave Technology, 2017, 35, 3461-3472.	2.7	43
45	A Peptide Nucleic Acid against MicroRNA miR-145-5p Enhances the Expression of the Cystic Fibrosis Transmembrane Conductance Regulator (CFTR) in Calu-3 Cells. Molecules, 2018, 23, 71.	1.7	43
46	A Folding-Based Electrochemical Aptasensor for the Single-Step Detection of the SARS-CoV-2 Spike Protein. ACS Applied Materials & Interfaces, 2022, 14, 19204-19211.	4.0	42
47	Chiral separation of amino acids by copper(II) complexes of tetradentate diaminodiamido-type ligands added to the eluent in reversed-phase high-performance liquid chromatography: a ligand exchange mechanism. Journal of Chromatography A, 2001, 922, 151-163.	1.8	41
48	Peptide Nucleic Acids with a Structurally Biased Backbone: Effects of Conformational Constraints and Stereochemistry. Current Topics in Medicinal Chemistry, 2007, 7, 681-694.	1.0	41
49	Multifunctional Inorganic Nanocontainers for DNA and Drug Delivery into Living Cells. Chemistry - A European Journal, 2014, 20, 10900-10904.	1.7	41
50	Chiral separation of unmodified amino acids by ligand-exchange high-performance liquid chromatography using copper(II) complexes of l-amino acid amides as additives to the eluent. Journal of Chromatography A, 1993, 657, 43-54.	1.8	40
51	Effect of ionic strength on PNA-DNA hybridization on surfaces and in solution. Biointerphases, 2007, 2, 80-88.	0.6	40
52	Optical Fiber Ring Cavity Sensor for Label-Free DNA Detection. IEEE Journal of Selected Topics in Quantum Electronics, 2012, 18, 1176-1183.	1.9	40
53	Lysine-based peptide nucleic acids (PNAs) with strong chiral constraint: Control of helix handedness and DNA binding by chirality. Chirality, 2005, 17, S196-S204.	1.3	39
54	miRNA therapeutics: delivery and biological activity of peptide nucleic acids targeting miRNAs. Epigenomics, 2011, 3, 733-745.	1.0	39

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55	Control of Probe Density at DNA Biosensor Surfaces Using Poly(<scp>l</scp>-lysine) with Appended Reactive Groups. Bioconjugate Chemistry, 2018, 29, 4110-4118.	1.8	38
56	Tf2OAmide adducts: Versatile reagents for the synthesis of imidates and amidines. Tetrahedron Letters, 1998, 39, 711-714.	0.7	37
57	Role of chirality and optical purity in nucleic acid recognition by PNA and PNA analogs. Chirality, 2002, 14, 591-598.	1.3	37
58	Design and synthesis of fluorescent ?-cyclodextrins for the enantioselective sensing of ?-amino acids. Chirality, 2003, 15, S30-S39.	1.3	36
59	Focus on PNA Flexibility and RNA Binding using Molecular Dynamics and Metadynamics. Scientific Reports, 2017, 7, 42799.	1.6	36
60	Fast, Solid-Phase Synthesis of Chiral Peptide Nucleic Acids with a High Optical Purity by a Submonomeric Strategy. European Journal of Organic Chemistry, 2003, 2003, 1056-1063.	1.2	34
61	Novel amperometric genosensor based on peptide nucleic acid (PNA) probes immobilized on carbon nanotubes-screen printed electrodes for the determination of trace levels of non-amplified DNA in genetically modified (GM) soy. Biosensors and Bioelectronics, 2019, 129, 7-14.	5.3	34
62	Fluorescence Enhancement of Aflatoxins Using Native and Substituted Cyclodextrins. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2003, 45, 257-263.	1.6	33
63	Racemization of chiral PNAs during solid-phase synthesis: effect of the coupling conditions on enantiomeric purity. Tetrahedron: Asymmetry, 2002, 13, 1629-1636.	1.8	32
64	Enantiomeric separation of dansyl- and dabsylamino acids by ligand-exchange chromatography with (S)- and (R)-phenylalaninamide-modified silica gel. Journal of Chromatography A, 1994, 666, 77-89.	1.8	31
65	Chiral recognition by the copper(II) complex of 6-deoxy-6-N-(2-methylaminopyridine)-?-cyclodextrin. , 1997, 9, 341-349.		30
66	Complex formation equilibria ofL-Amino-Acid amides with copper(II) in aqueous solution. Helvetica Chimica Acta, 1989, 72, 1479-1486.	1.0	29
67	Chiral discrimination of Dns- and unmodified d,l-amino acids by copper(II) complexes of terdentate ligands in high-performance liquid chromatography. Journal of Chromatography A, 1998, 829, 101-113.	1.8	29
68	Direct enantiomeric separation of N-aminoethylamino acids: determination of the enantiomeric excess of chiral peptide nucleic acids (PNAs) by GC. Tetrahedron: Asymmetry, 1999, 10, 2063-2066.	1.8	29
69	Enantiomeric separation of hydroxy acids and carboxylic acids by diamino-Î²-cyclodextrins (AB, AC, AD) in capillary electrophoresis. Electrophoresis, 2001, 22, 3171-3177.	1.3	28
70	Recognition and strand displacement of DNA oligonucleotides by peptide nucleic acids (PNAs). Journal of Chromatography A, 2001, 922, 177-185.	1.8	28
71	Detection of the R553X DNA single point mutation related to cystic fibrosis by a â€œchiral boxâ€Ð-lysine-peptide nucleic acid probe by capillary electrophoresis. Electrophoresis, 2005, 26, 4310-4316.	1.3	28
72	Conformational Heterogeneity in PNA:PNA Duplexes. Macromolecules, 2010, 43, 2692-2703.	2.2	28

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73	Chiral discrimination by ligand-exchange chromatography: A comparison between phenylalaninamide-based stationary and mobile phases. Chirality, 1996, 8, 452-461.	1.3	27
74	High Levels of Apoptosis Are Induced in the Human Colon Cancer HT-29 Cell Line by Co-Administration of Sulforaphane and a Peptide Nucleic Acid Targeting miR-15b-5p. Nucleic Acid Therapeutics, 2020, 30, 164-174.	2.0	27
75	Multifunctional Delivery Systems for Peptide Nucleic Acids. Pharmaceuticals, 2021, 14, 14.	1.7	27
76	Polymerase chain reaction coupled with peptide nucleic acid high-performance liquid chromatography for the sensitive detection of traces of potentially allergenic hazelnut in foodstuffs. European Food Research and Technology, 2005, 220, 619-624.	1.6	26
77	Patterning of Peptide Nucleic Acids Using Reactive Microcontact Printing. Langmuir, 2011, 27, 1536-1542.	1.6	26
78	DNA Detection by Flow Cytometry using PNAâ€Modified Metalâ€“Organic Framework Particles. Chemistry - A European Journal, 2017, 23, 4180-4186.	1.7	26
79	Kinetic and affinity analyses of hybridization reactions between peptide nucleic acid probes and DNA targets using surface plasmon field-enhanced fluorescence spectroscopy. Biointerphases, 2006, 1, 113-122.	0.6	25
80	Arginine-based PNA microarrays for APOE genotyping. Molecular BioSystems, 2009, 5, 1323.	2.9	25
81	Enantioselective fluorescence quenching by a chiral copper(II) complex in ligand exchange equilibria. Journal of the Chemical Society Perkin Transactions II, 1992, , 1979.	0.9	24
82	Unconventional method based on circular dichroism to detect peanut DNA in food by means of a PNA probe and a cyanine dye. Chirality, 2005, 17, 515-521.	1.3	24
83	Affinity and selectivity of C2â€•and C5â€substituted â€œchiralâ€boxâ€•PNA in solution and on microarrays. Chirality, 2010, 22, E161-72.	1.3	24
84	Direct plasmonic detection of circulating RAS mutated DNA in colorectal cancer patients. Biosensors and Bioelectronics, 2020, 170, 112648.	5.3	24
85	ESI-mass spectrometry analysis of unsubstituted and disubstituted Î²-cyclodextrins: fragmentation mode and identification of the AB, AC, AD regioisomers. Journal of the American Society for Mass Spectrometry, 2003, 14, 124-135.	1.2	23
86	Development of a peptide nucleic acid polymerase chain reaction clamping assay for semiquantitative evaluation of genetically modified organism content in food. Analytical Biochemistry, 2005, 344, 174-182.	1.1	23
87	Furan-PNA: a mildly inducible irreversible interstrand crosslinking system targeting single and double stranded DNA. Chemical Communications, 2016, 52, 6930-6933.	2.2	23
88	Direction control in DNA binding of chiral d-lysine-based peptide nucleic acid (PNA) probed by electrospray mass spectrometry. Chemical Communications, 2003, , 1102-1103.	2.2	22
89	A Peptide Nucleic Acid Embedding a Pseudopeptide Nuclear Localization Sequence in the Backbone Behaves as a Peptide Mimic. European Journal of Organic Chemistry, 2010, 2010, 2441-2444.	1.2	22
90	Targeting miRâ€‘155â€‘5p and miRâ€‘221â€‘3p by peptide nucleic acids induces caspaseâ€‘3 activation and apoptosis in temozolomideâ€resistant T98G glioma cells. International Journal of Oncology, 2019, 55, 59-68.	1.4	22

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91	Two-dimensional high-performance liquid chromatographic system for the determination of enantiomeric excess in complex amino acid mixtures. Journal of Chromatography A, 1993, 653, 229-234.	1.8	21
92	Peptide nucleic acid molecular beacons for the detection of PCR amplicons in droplet-based microfluidic devices. Analytical and Bioanalytical Chemistry, 2013, 405, 615-624.	1.9	21
93	Circular dichroism study of DNA binding by a potential anticancer peptide nucleic acid targeted against the MYCN oncogene. Chirality, 2008, 20, 494-500.	1.3	20
94	Isolation and Characterization of a New Less-Toxic Derivative of theFusariumMycotoxin Diacetoxyscirpenol after Thermal Treatment. Journal of Agricultural and Food Chemistry, 2011, 59, 9709-9714.	2.4	20
95	Selective recognition of DNA from olive leaves and olive oil by PNA and modified-PNA microarrays. Artificial DNA, PNA & XNA, 2012, 3, 63-72.	1.4	20
96	Selective Functionalization with PNA of Silicon Nanowires on Silicon Oxide Substrates. Langmuir, 2018, 34, 11395-11404.	1.6	20
97	Copper(II) complexes ofN2-alkyl-(S)-amino acid amides as chiral selectors for dynamically coated chiral stationary phases in RP-HPLC. , 1996, 8, 189-196.		19
98	Highly selective single nucleotide polymorphism recogniton by a chiral (5S) PNA beacon. Chirality, 2009, 21, 245-253.	1.3	19
99	SSBâ€Assisted Duplex Invasion of Preorganized PNA into Doubleâ€Stranded DNA. ChemBioChem, 2009, 10, 2607-2612.	1.3	19
100	Detection of Tumor DNA in Human Plasma with a Functional PLL-Based Surface Layer and Plasmonic Biosensing. ACS Sensors, 2021, 6, 2307-2319.	4.0	19
101	A Peptide Nucleic Acid (PNA) Masking the miR-145-5p Binding Site of the 3â€²UTR of the Cystic Fibrosis Transmembrane Conductance Regulator (CFTR) mRNA Enhances CFTR Expression in Calu-3 Cells. Molecules, 2020, 25, 1677.	1.7	18
102	Treatment of human airway epithelial Calu-3Âcells with a peptide-nucleic acid (PNA) targeting the microRNA miR-101-3p is associated with increased expression of the cystic fibrosis Transmembrane Conductance Regulator () gene. European Journal of Medicinal Chemistry, 2021, 209, 112876.	2.6	18
103	Epimerization of peptide nucleic acids analogs during solid-phase synthesis: optimization of the coupling conditions for increasing the optical purity. Journal of the Chemical Society, Perkin Transactions 1, 2001, , 2690-2696.	1.3	17
104	Cyclodextrins as selectors for mycotoxin recognition. World Mycotoxin Journal, 2008, 1, 397-406.	0.8	17
105	Real time RNA transcription monitoring by Thiazole Orange (TO)-conjugated Peptide Nucleic Acid (PNA) probes: norovirus detection. Molecular BioSystems, 2011, 7, 1684.	2.9	17
106	Synthesis and Improved Cross-Linking Properties of C5-Modified Furan Bearing PNAs. Molecules, 2017, 22, 2010.	1.7	17
107	Inhibition of RNA Polymerase III Elongation by a T10 Peptide Nucleic Acid. Journal of Biological Chemistry, 2001, 276, 5720-5725.	1.6	16
108	Complexation of the mycotoxin zearalenone with Î²-cyclodextrin: Study of the interaction and first promising applications. Mycotoxin Research, 2008, 24, 14-18.	1.3	16

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109	A pyrenyl-PNA probe for DNA and RNA recognition. Artificial DNA, PNA & XNA, 2010, 1, 83-89.	1.4	16
110	Breakable Hybrid Organosilica Nanocapsules for Protein Delivery. Angewandte Chemie, 2016, 128, 3384-3388.	1.6	16
111	Building on the peptide nucleic acid (PNA) scaffold: a biomolecular engineering approach. Supramolecular Chemistry, 2017, 29, 784-795.	1.5	16
112	Increasing the Sensitivity of Electrochemical DNA Detection by a Micropillar-Structured Biosensing Surface. Langmuir, 2020, 36, 4272-4279.	1.6	16
113	Label-free selective DNA detection with high mismatch recognition by PNA beacons and ion exchange HPLC. Organic and Biomolecular Chemistry, 2008, 6, 1232.	1.5	15
114	Single-Walled Carbon Nanotubes as Enhancing Substrates for PNA-Based Amperometric Genosensors. Sensors, 2019, 19, 588.	2.1	15
115	Treatment of Human Glioblastoma U251 Cells with Sulforaphane and a Peptide Nucleic Acid (PNA) Targeting miR-15b-5p: Synergistic Effects on Induction of Apoptosis. Molecules, 2022, 27, 1299.	1.7	15
116	Chiral recognition of amino acid derivatives: an NMR investigation of the selector and the diastereomeric complexes. Journal of Organic Chemistry, 1989, 54, 684-688.	1.7	14
117	PNA Conjugated to High-Molecular Weight Poly(Ethylene Glycol): Synthesis and Properties. Nucleosides, Nucleotides and Nucleic Acids, 2007, 26, 661-664.	0.4	14
118	Identification of PCR-Amplified Genetically Modified Organisms (GMOs) DNA by Peptide Nucleic Acid (PNA) Probes in Anion-Exchange Chromatographic Analysis. Journal of Agricultural and Food Chemistry, 2007, 55, 2509-2516.	2.4	14
119	PNA bearing 5-azidomethyluracil. Artificial DNA, PNA & XNA, 2012, 3, 53-62.	1.4	14
120	Diaminomethane dihydrochloride, a novel reagent for the synthesis of primary amides of amino acids and peptides from active esters. International Journal of Peptide and Protein Research, 1993, 42, 53-57.	0.1	13
121	DNA and RNA binding properties of an arginine-based â€˜Extended Chiral Boxâ€™ Peptide Nucleic Acid. Tetrahedron Letters, 2011, 52, 300-304.	0.7	13
122	Carboxyalkyl peptoid PNAs: synthesis and hybridization properties. Tetrahedron, 2012, 68, 499-506.	1.0	13
123	PNAâ€“NLS conjugates as single-molecular activators of target sites in double-stranded DNA for site-selective scission. Organic and Biomolecular Chemistry, 2013, 11, 5233.	1.5	13
124	64Cu and fluorescein labeled anti-miRNA peptide nucleic acids for the detection of miRNA expression in living cells. Scientific Reports, 2019, 9, 3376.	1.6	13
125	Complexation of zearalenone and zearalenols with native and modified Î²-cyclodextrins. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2009, 64, 331-340.	1.6	12
126	A PNA microarray for tomato genotyping. Molecular BioSystems, 2011, 7, 1902.	2.9	12

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127	Pyrene-modified PNAs: Stacking interactions and selective excimer emission in PNA2DNA triplexes. Beilstein Journal of Organic Chemistry, 2014, 10, 1495-1503.	1.3	12
128	Functional Dissection of RNA Polymerase III Termination Using a Peptide Nucleic Acid as a Transcriptional Roadblock. Journal of Biological Chemistry, 2004, 279, 20708-20716.	1.6	11
129	Fluorescent cyclodextrins bearing metal binding sites and their use for chemo- and enantioselective sensing of amino acid derivatives. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2007, 57, 625-630.	1.6	11
130	Modification of a long period grating-based fiber optic for DNA biosensing. Proceedings of SPIE, 2011, , .	0.8	11
131	The effect of N2-mono- and dimethylation on the crystal structures of bis[(S)-phenylalaninamidato]copper(II) complexes. Tetrahedron: Asymmetry, 1992, 3, 387-400.	1.8	10
132	Copper(II) complexes of potentially terdentateN2-[(R)-2-hydroxypropyl]-andN2-[(S)-2-hydroxypropyl]-(S)-phenylalaninamide for chiral recognition: Synthesis of the Ligands and Formation Constants. Helvetica Chimica Acta, 1995, 78, 1785-1792.	1.0	10
133	Synthesis and chiral recognition properties of L-Ala-Crown(3)-L-Ala capped Î²-cyclodextrin. Tetrahedron Letters, 1999, 40, 3025-3028.	0.7	10
134	Fast and easy colorimetric tests for single mismatch recognition by PNAâ€“DNA duplexes with the diethylthiadicarbocyanine dye and succinyl-Î²-cyclodextrin. Journal of Proteomics, 2007, 70, 735-741.	2.4	10
135	New Uracil Dimers Showing Erythroid Differentiation Inducing Activities. Journal of Medicinal Chemistry, 2009, 52, 87-94.	2.9	10
136	Effect of chirality in gamma-PNA: PNA interaction, another piece in the picture. Artificial DNA, PNA & XNA, 2014, 5, e1131801.	1.4	10
137	Hollow-Core Fiber-Based Biosensor: A Platform for Lab-in-Fiber Optical Biosensors for DNA Detection. Sensors, 2022, 22, 5144.	2.1	10
138	Targeted inhibition of NMYC by peptide nucleic acid in N-myc amplified human neuroblastoma cells: cell-cycle inhibition with induction of neuronal cell differentiation and apoptosis. International Journal of Oncology, 2004, 24, 265.	1.4	9
139	A Fmoc-based submonomeric strategy for the solid phase synthesis of optically pure chiral PNAs. Tetrahedron Letters, 2008, 49, 4958-4961.	0.7	9
140	Enhancing the Expression of CFTR Using Antisense Molecules against MicroRNA miR-145-5p. American Journal of Respiratory and Critical Care Medicine, 2019, 199, 1443-1444.	2.5	9
141	A Peptide-Nucleic Acid Targeting miR-335-5p Enhances Expression of Cystic Fibrosis Transmembrane Conductance Regulator (CFTR) Gene with the Possible Involvement of the CFTR Scaffolding Protein NHERF1. Biomedicines, 2021, 9, 117.	1.4	9
142	Molecular Methods for Validation of the Biological Activity of Peptide Nucleic Acids Targeting MicroRNAs. Methods in Molecular Biology, 2014, 1095, 165-176.	0.4	9
143	C(5) modified uracil derivatives showing antiproliferative and erythroid differentiation inducing activities on human chronic myelogenous leukemia K562 cells. European Journal of Pharmacology, 2011, 672, 30-37.	1.7	8
144	A Bifunctional Monomer for On-Resin Synthesis of Polyfunctional PNAs and Tailored Induced-Fit Switching Probes. Organic Letters, 2016, 18, 5452-5455.	2.4	8

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145	Highly efficient strand invasion by peptide nucleic acid bearing optically pure lysine residues in its backbone. Nucleic Acids Symposium Series, 2006, 50, 109-110.	0.3	7
146	Toward Peptide Nucleic Acid (PNA) Directed Peptide Translation Using Ester Based Aminoacyl Transfer. ACS Chemical Biology, 2014, 9, 2612-2620.	1.6	7
147	Preparation of Anti-miR PNAs for Drug Development and Nanomedicine. Methods in Molecular Biology, 2018, 1811, 49-63.	0.4	7
148	Tuning the Loading and Release Properties of MicroRNA-Silencing Porous Silicon Nanoparticles by Using Chemically Diverse Peptide Nucleic Acid Payloads. ACS Biomaterials Science and Engineering, 2022, 8, 4123-4131.	2.6	7
149	Properties of L-phenylalanine tetraamides as chiral selectors for D,L-amino acids by capillary gas chromatography. Chromatographia, 1994, 38, 173-176.	0.7	6
150	Crystallization and preliminary X-ray diffraction studies of aD-lysine-based chiral PNAâ€“DNA duplex. Acta Crystallographica Section D: Biological Crystallography, 2002, 58, 553-555.	2.5	6
151	Enantiomeric separation of chiral peptide nucleic acid monomers by capillary electrophoresis with charged cyclodextrins. Electrophoresis, 2003, 24, 2698-2703.	1.3	6
152	Molecular Computing by PNA. Artificial DNA, PNA & XNA, 2011, 2, 16-22.	1.4	6
153	Advanced Molecular Probes for Sequence-Specific DNA Recognition. Soft and Biological Matter, 2012, , 89-124.	0.3	6
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