

# Roberto Corradini

## List of Publications by Year in descending order

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185  
papers

5,802  
citations

66234

42  
h-index

106150

65  
g-index

191  
all docs

191  
docs citations

191  
times ranked

5466  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tuning the Loading and Release Properties of MicroRNA-Silencing Porous Silicon Nanoparticles by Using Chemically Diverse Peptide Nucleic Acid Payloads. <i>ACS Biomaterials Science and Engineering</i> , 2022, 8, 4123-4131.	2.6	7
2	Treatment of Human Glioblastoma U251 Cells with Sulforaphane and a Peptide Nucleic Acid (PNA) Targeting miR-15b-5p: Synergistic Effects on Induction of Apoptosis. <i>Molecules</i> , 2022, 27, 1299.	1.7	15
3	A Folding-Based Electrochemical Aptasensor for the Single-Step Detection of the SARS-CoV-2 Spike Protein. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 19204-19211.	4.0	42
4	Hollow-Core Fiber-Based Biosensor: A Platform for Lab-in-Fiber Optical Biosensors for DNA Detection. <i>Sensors</i> , 2022, 22, 5144.	2.1	10
5	Treatment of human airway epithelial Calu-3 cells with a peptide-nucleic acid (PNA) targeting the microRNA miR-101-3p is associated with increased expression of the cystic fibrosis Transmembrane Conductance Regulator (CFTR) gene. <i>European Journal of Medicinal Chemistry</i> , 2021, 209, 112876.	2.6	18
6	Submonomeric Strategy with Minimal Protection for the Synthesis of C(2)-Modified Peptide Nucleic Acids. <i>Organic Letters</i> , 2021, 23, 902-907.	2.4	3
7	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. <i>Biomedicines</i> , 2021, 9, 117.	1.4	9
8	PNA-functionalized magnetic microbeads as substrates for enzyme-labelled voltammetric genoassay for DNA sensing applied to identification of GMO in food. <i>Analytica Chimica Acta</i> , 2021, 1153, 338297.	2.6	6
9	Detection of Tumor DNA in Human Plasma with a Functional PLL-Based Surface Layer and Plasmonic Biosensing. <i>ACS Sensors</i> , 2021, 6, 2307-2319.	4.0	19
10	Multifunctional Delivery Systems for Peptide Nucleic Acids. <i>Pharmaceuticals</i> , 2021, 14, 14.	1.7	27
11	Delivery of Peptide Nucleic Acids Using an Argininocalix[4]arene as Vector. <i>Methods in Molecular Biology</i> , 2021, 2211, 123-143.	0.4	2
12	Direct plasmonic detection of circulating RAS mutated DNA in colorectal cancer patients. <i>Biosensors and Bioelectronics</i> , 2020, 170, 112648.	5.3	24
13	Increasing the Sensitivity of Electrochemical DNA Detection by a Micropillar-Structured Biosensing Surface. <i>Langmuir</i> , 2020, 36, 4272-4279.	1.6	16
14	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. <i>Nucleic Acid Therapeutics</i> , 2020, 30, 164-174.	2.0	27
15	A Peptide Nucleic Acid (PNA) Masking the miR-145-5p Binding Site of the 3'UTR of the Cystic Fibrosis Transmembrane Conductance Regulator (CFTR) mRNA Enhances CFTR Expression in Calu-3 Cells. <i>Molecules</i> , 2020, 25, 1677.	1.7	18
16	“Plug-n-Play” Polymer Substrates: Surface Patterning with Reactive-Group-Appended Poly-L-lysine for Biomolecule Adhesion. <i>ACS Applied Polymer Materials</i> , 2019, 1, 3165-3173.	2.0	6
17	Demonstrating specificity of bioactive peptide nucleic acids (PNAs) targeting microRNAs for practical laboratory classes of applied biochemistry and pharmacology. <i>PLoS ONE</i> , 2019, 14, e0221923.	1.1	5
18	Single-Walled Carbon Nanotubes as Enhancing Substrates for PNA-Based Amperometric Genosensors. <i>Sensors</i> , 2019, 19, 588.	2.1	15

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19	Physiological expression of miR-130a during differentiation of CD34+ human hematopoietic stem cells results in the inhibition of monocyte differentiation. <i>Experimental Cell Research</i> , 2019, 382, 111445.	1.2	2
20	Targeting miR-155-5p and miR-221-3p by peptide nucleic acids induces caspase-3 activation and apoptosis in temozolomide-resistant T98G glioma cells. <i>International Journal of Oncology</i> , 2019, 55, 59-68.	1.4	22
21	Efficient cell penetration and delivery of peptide nucleic acids by an argininocalix[4]arene. <i>Scientific Reports</i> , 2019, 9, 3036.	1.6	46
22	64Cu and fluorescein labeled anti-miRNA peptide nucleic acids for the detection of miRNA expression in living cells. <i>Scientific Reports</i> , 2019, 9, 3376.	1.6	13
23	Enhancing the Expression of CFTR Using Antisense Molecules against MicroRNA miR-145-5p. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 199, 1443-1444.	2.5	9
24	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. <i>Biosensors and Bioelectronics</i> , 2019, 129, 7-14.	5.3	34
25	Control of Probe Density at DNA Biosensor Surfaces Using Poly(L-lysine) with Appended Reactive Groups. <i>Bioconjugate Chemistry</i> , 2018, 29, 4110-4118.	1.8	38
26	Selective Functionalization with PNA of Silicon Nanowires on Silicon Oxide Substrates. <i>Langmuir</i> , 2018, 34, 11395-11404.	1.6	20
27	Preparation of Anti-miR PNAs for Drug Development and Nanomedicine. <i>Methods in Molecular Biology</i> , 2018, 1811, 49-63.	0.4	7
28	Loading of PNA and Other Molecular Payloads on Inorganic Nanostructures for Theranostics. <i>Methods in Molecular Biology</i> , 2018, 1811, 65-77.	0.4	1
29	A Peptide Nucleic Acid against MicroRNA miR-145-5p Enhances the Expression of the Cystic Fibrosis Transmembrane Conductance Regulator (CFTR) in Calu-3 Cells. <i>Molecules</i> , 2018, 23, 71.	1.7	43
30	DNA Detection by Flow Cytometry using PNA-Modified Metal-Organic Framework Particles. <i>Chemistry - A European Journal</i> , 2017, 23, 4180-4186.	1.7	26
31	Focus on PNA Flexibility and RNA Binding using Molecular Dynamics and Metadynamics. <i>Scientific Reports</i> , 2017, 7, 42799.	1.6	36
32	Building on the peptide nucleic acid (PNA) scaffold: a biomolecular engineering approach. <i>Supramolecular Chemistry</i> , 2017, 29, 784-795.	1.5	16
33	Optical Fiber Sensors for Label-Free DNA Detection. <i>Journal of Lightwave Technology</i> , 2017, 35, 3461-3472.	2.7	43
34	Synthesis and Improved Cross-Linking Properties of C5-Modified Furan Bearing PNAs. <i>Molecules</i> , 2017, 22, 2010.	1.7	17
35	Breakable Hybrid Organosilica Nanocapsules for Protein Delivery. <i>Angewandte Chemie</i> , 2016, 128, 3384-3388.	1.6	16
36	Breakable Hybrid Organosilica Nanocapsules for Protein Delivery. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3323-3327.	7.2	126

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37	Innentitelbild: Breakable Hybrid Organosilica Nanocapsules for Protein Delivery (Angew. Chem.) Tj ETQq1 1 0.784314 rgBT /Ovlock 10	1.6	0
38	Furan-PNA: a mildly inducible irreversible interstrand crosslinking system targeting single and double stranded DNA. Chemical Communications, 2016, 52, 6930-6933.	2.2	23
39	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
40	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
41	Peptide nucleic acids targeting $\beta$ -globin mRNAs selectively inhibit hemoglobin production in murine erythroleukemia cells. International Journal of Molecular Medicine, 2015, 35, 51-58.	1.8	3
42	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
43	Structural Studies on Porphyrin-PNA Conjugates in Parallel PNA:PNA Duplexes: Effect of Stacking Interactions on Helicity. Chirality, 2015, 27, 864-874.	1.3	5
44	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
45	Pyrene-modified PNAs: Stacking interactions and selective excimer emission in PNA:DNA triplexes. Beilstein Journal of Organic Chemistry, 2014, 10, 1495-1503.	1.3	12
46	Effect of chirality in gamma-PNA: PNA interaction, another piece in the picture. Artificial DNA, PNA & XNA, 2014, 5, e1131801.	1.4	10
47	Toward Peptide Nucleic Acid (PNA) Directed Peptide Translation Using Ester Based Aminoacyl Transfer. ACS Chemical Biology, 2014, 9, 2612-2620.	1.6	7
48	Bio-functionalized hollow core photonic crystal fibers for label-free DNA detection. , 2014, , .		0
49	Intracellular Delivery of Peptide Nucleic Acid and Organic Molecules Using Zeolite Nanocrystals. Advanced Healthcare Materials, 2014, 3, 1812-1817.	3.9	43
50	Multifunctional Inorganic Nanocontainers for DNA and Drug Delivery into Living Cells. Chemistry - A European Journal, 2014, 20, 10900-10904.	1.7	41
51	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
52	Chiral PNAs with Constrained Open-Chain Backbones. Methods in Molecular Biology, 2014, 1050, 19-35.	0.4	2
53	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
54	Optical Fiber Sensor for DNA Detection Based on Doubled-Tilted Bragg Grating. Lecture Notes in Electrical Engineering, 2014, , 349-352.	0.3	0

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55	Use of Peptide Nucleic Acids (PNAs) for Genotyping by Solution and Surface Methods. <i>Methods in Molecular Biology</i> , 2014, 1050, 143-157.	0.4	2
56	Peptide nucleic acid molecular beacons for the detection of PCR amplicons in droplet-based microfluidic devices. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 615-624.	1.9	21
57	Label-free DNA biosensor based on a peptide nucleic acid-functionalized microstructured optical fiber-Bragg grating. <i>Journal of Biomedical Optics</i> , 2013, 18, 057004.	1.4	64
58	DNA biosensors implemented on PNA-functionalized microstructured optical fibers Bragg gratings. <i>Proceedings of SPIE</i> , 2013, , .	0.8	1
59	PNA-“NLS conjugates as single-molecular activators of target sites in double-stranded DNA for site-selective scission. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 5233.	1.5	13
60	Microstructured optical fiber Bragg grating sensor for DNA detection. <i>Proceedings of SPIE</i> , 2013, , .	0.8	1
61	PNA-modified photonic crystal fibers for DNA detection. , 2013, , .		0
62	Antitumor Activity of Sustained N-Myc Reduction in Rhabdomyosarcomas and Transcriptional Block by Antigen Therapy. <i>Clinical Cancer Research</i> , 2012, 18, 796-807.	3.2	74
63	Label-free DNA biosensor based on doubled tilted fiber Bragg grating. , 2012, , .		2
64	PNA bearing 5-azidomethyluracil. <i>Artificial DNA, PNA &amp; XNA</i> , 2012, 3, 53-62.	1.4	14
65	DNA biosensor based on a double tilted fiber Bragg grating. , 2012, , .		0
66	Peptide nucleic acids targeting miR-221 modulate p27Kip1 expression in breast cancer MDA-MB-231 cells. <i>International Journal of Oncology</i> , 2012, 41, 2119-2127.	1.4	67
67	Optical Fiber Ring Cavity Sensor for Label-Free DNA Detection. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2012, 18, 1176-1183.	1.9	40
68	Advanced Molecular Probes for Sequence-Specific DNA Recognition. <i>Soft and Biological Matter</i> , 2012, , 89-124.	0.3	6
69	Selective recognition of DNA from olive leaves and olive oil by PNA and modified-PNA microarrays. <i>Artificial DNA, PNA &amp; XNA</i> , 2012, 3, 63-72.	1.4	20
70	Cellular Uptakes, Biostabilities and Anti-“miR-210 Activities of Chiral Arginine-“PNAs in Leukaemic K562 Cells. <i>ChemBioChem</i> , 2012, 13, 1327-1337.	1.3	56
71	Carboxyalkyl peptoid PNAs: synthesis and hybridization properties. <i>Tetrahedron</i> , 2012, 68, 499-506.	1.0	13
72	miRNA therapeutics: delivery and biological activity of peptide nucleic acids targeting miRNAs. <i>Epigenomics</i> , 2011, 3, 733-745.	1.0	39

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73	Real time RNA transcription monitoring by Thiazole Orange (TO)-conjugated Peptide Nucleic Acid (PNA) probes: norovirus detection. <i>Molecular BioSystems</i> , 2011, 7, 1684.	2.9	17
74	Patterning of Peptide Nucleic Acids Using Reactive Microcontact Printing. <i>Langmuir</i> , 2011, 27, 1536-1542.	1.6	26
75	A PNA microarray for tomato genotyping. <i>Molecular BioSystems</i> , 2011, 7, 1902.	2.9	12
76	Isolation and Characterization of a New Less-Toxic Derivative of the Fusarium Mycotoxin Diacetoxyscirpenol after Thermal Treatment. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 9709-9714.	2.4	20
77	Food analysis and food authentication by peptide nucleic acid (PNA)-based technologies. <i>Chemical Society Reviews</i> , 2011, 40, 221-232.	18.7	58
78	Long period grating-based fiber optic sensor for label-free DNA detection. , 2011, , .		3
79	Control of Helical Handedness in DNA and PNA Nanostructures. <i>Methods in Molecular Biology</i> , 2011, 749, 79-92.	0.4	4
80	Peptide Nucleic Acids with a Structurally Biased Backbone. Updated Review and Emerging Challenges. <i>Current Topics in Medicinal Chemistry</i> , 2011, 11, 1535-1554.	1.0	72
81	C(5) modified uracil derivatives showing antiproliferative and erythroid differentiation inducing activities on human chronic myelogenous leukemia K562 cells. <i>European Journal of Pharmacology</i> , 2011, 672, 30-37.	1.7	8
82	Targeting microRNAs involved in human diseases: A novel approach for modification of gene expression and drug development. <i>Biochemical Pharmacology</i> , 2011, 82, 1416-1429.	2.0	100
83	Modulation of the Biological Activity of microRNA-210 with Peptide Nucleic Acids (PNAs). <i>ChemMedChem</i> , 2011, 6, 2192-2202.	1.6	72
84	DNA and RNA binding properties of an arginine-based "Extended Chiral Box"™ Peptide Nucleic Acid. <i>Tetrahedron Letters</i> , 2011, 52, 300-304.	0.7	13
85	Molecular Computing by PNA. <i>Artificial DNA, PNA &amp; XNA</i> , 2011, 2, 16-22.	1.4	6
86	Modification of a long period grating-based fiber optic for DNA biosensing. <i>Proceedings of SPIE</i> , 2011, , .	0.8	11
87	Double Tilted Fiber Bragg Grating for label-free DNA detection. , 2011, , .		1
88	Ultrasensitive Detection of Non-amplified Genomic DNA. <i>Lecture Notes in Electrical Engineering</i> , 2011, , 485-488.	0.3	0
89	Ultrasensitive detection of non-amplified genomic DNA by nanoparticle-enhanced surface plasmon resonance imaging. <i>Biosensors and Bioelectronics</i> , 2010, 25, 2095-2100.	5.3	76
90	A Peptide Nucleic Acid Embedding a Pseudopeptide Nuclear Localization Sequence in the Backbone Behaves as a Peptide Mimic. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 2441-2444.	1.2	22

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91	Affinity and selectivity of C2' and C5' substituted $\beta$ -chiral PNA in solution and on microarrays. <i>Chirality</i> , 2010, 22, E161-72.	1.3	24
92	DNA recognition by peptide nucleic acid-modified PCFs: from models to real samples. , 2010, , .		1
93	A pyrenyl-PNA probe for DNA and RNA recognition. <i>Artificial DNA, PNA &amp; XNA</i> , 2010, 1, 83-89.	1.4	16
94	Enantioselective Sensing by Luminescence. <i>Topics in Current Chemistry</i> , 2010, 300, 175-216.	4.0	86
95	Conformational Heterogeneity in PNA:PNA Duplexes. <i>Macromolecules</i> , 2010, 43, 2692-2703.	2.2	28
96	Toward A Highly Specific DNA Biosensor: PNA-Modified Suspended-Core Photonic Crystal Fibers. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2010, 16, 967-972.	1.9	72
97	Highly selective single nucleotide polymorphism recognition by a chiral (5S) PNA beacon. <i>Chirality</i> , 2009, 21, 245-253.	1.3	19
98	SSB-Assisted Duplex Invasion of Preorganized PNA into Double-Stranded DNA. <i>ChemBioChem</i> , 2009, 10, 2607-2612.	1.3	19
99	Complexation of zearalenone and zearalenols with native and modified $\beta$ -cyclodextrins. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2009, 64, 331-340.	1.6	12
100	Occurrence of deoxynivalenol and its 3- <i>D</i> -glucoside in wheat and maize. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2009, 26, 507-511.	1.1	163
101	Arginine-based PNA microarrays for APOE genotyping. <i>Molecular BioSystems</i> , 2009, 5, 1323.	2.9	25
102	New Uracil Dimers Showing Erythroid Differentiation Inducing Activities. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 87-94.	2.9	10
103	A Fmoc-based submonomeric strategy for the solid phase synthesis of optically pure chiral PNAs. <i>Tetrahedron Letters</i> , 2008, 49, 4958-4961.	0.7	9
104	Complexation of the mycotoxin zearalenone with $\beta$ -cyclodextrin: Study of the interaction and first promising applications. <i>Mycotoxin Research</i> , 2008, 24, 14-18.	1.3	16
105	Ultrasensitive Detection of DNA by PNA and Nanoparticle-Enhanced Surface Plasmon Resonance Imaging. <i>ChemBioChem</i> , 2008, 9, 2067-2070.	1.3	73
106	Circular dichroism study of DNA binding by a potential anticancer peptide nucleic acid targeted against the MYCN oncogene. <i>Chirality</i> , 2008, 20, 494-500.	1.3	20
107	Label-free selective DNA detection with high mismatch recognition by PNA beacons and ion exchange HPLC. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 1232.	1.5	15
108	Chiral introduction of positive charges to PNA for double-duplex invasion to versatile sequences. <i>Nucleic Acids Research</i> , 2008, 36, 1464-1471.	6.5	80



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109	Cyclodextrins as selectors for mycotoxin recognition. <i>World Mycotoxin Journal</i> , 2008, 1, 397-406.	0.8	17
110	Peptide Nucleic Acids with a Structurally Biased Backbone: Effects of Conformational Constraints and Stereochemistry. <i>Current Topics in Medicinal Chemistry</i> , 2007, 7, 681-694.	1.0	41
111	A new concept in double duplex DNA invasion by chiral PNAs which simultaneously depress PNA-PNA and improve PNA-DNA duplex stability.. <i>Nucleic Acids Symposium Series</i> , 2007, 51, 19-20.	0.3	0
112	PNA Conjugated to High-Molecular Weight Poly(Ethylene Glycol): Synthesis and Properties. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2007, 26, 661-664.	0.4	14
113	Identification of PCR-Amplified Genetically Modified Organisms (GMOs) DNA by Peptide Nucleic Acid (PNA) Probes in Anion-Exchange Chromatographic Analysis. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 2509-2516.	2.4	14
114	Effect of ionic strength on PNA-DNA hybridization on surfaces and in solution. <i>Biointerphases</i> , 2007, 2, 80-88.	0.6	40
115	Chirality as a tool in nucleic acid recognition: Principles and relevance in biotechnology and in medicinal chemistry. <i>Chirality</i> , 2007, 19, 269-294.	1.3	127
116	Induction of Helical Handedness and DNA Binding Properties of Peptide Nucleic Acids (PNAs) with Two Stereogenic Centres. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 5879-5885.	1.2	64
117	Fast and easy colorimetric tests for single mismatch recognition by PNA-DNA duplexes with the diethylthiadicyanin dye and succinyl- $\beta$ -cyclodextrin. <i>Journal of Proteomics</i> , 2007, 70, 735-741.	2.4	10
118	Fluorescent cyclodextrins bearing metal binding sites and their use for chemo- and enantioselective sensing of amino acid derivatives. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2007, 57, 625-630.	1.6	11
119	Kinetic and affinity analyses of hybridization reactions between peptide nucleic acid probes and DNA targets using surface plasmon field-enhanced fluorescence spectroscopy. <i>Biointerphases</i> , 2006, 1, 113-122.	0.6	25
120	A PNA-array platform for the detection of hidden allergens in foodstuffs. <i>European Food Research and Technology</i> , 2006, 223, 1-6.	1.6	45
121	Highly efficient strand invasion by peptide nucleic acid bearing optically pure lysine residues in its backbone. <i>Nucleic Acids Symposium Series</i> , 2006, 50, 109-110.	0.3	7
122	Synthesis of new chiral PNAs bearing a dipeptide-mimic monomer with two lysine-derived stereogenic centres. <i>Tetrahedron Letters</i> , 2005, 46, 8395-8399.	0.7	59
123	Development of a peptide nucleic acid polymerase chain reaction clamping assay for semiquantitative evaluation of genetically modified organism content in food. <i>Analytical Biochemistry</i> , 2005, 344, 174-182.	1.1	23
124	Detection of the R553X DNA single point mutation related to cystic fibrosis by a chiral box-D-lysine-peptide nucleic acid probe by capillary electrophoresis. <i>Electrophoresis</i> , 2005, 26, 4310-4316.	1.3	28
125	Lysine-based peptide nucleic acids (PNAs) with strong chiral constraint: Control of helix handedness and DNA binding by chirality. <i>Chirality</i> , 2005, 17, S196-S204.	1.3	39
126	Unconventional method based on circular dichroism to detect peanut DNA in food by means of a PNA probe and a cyanine dye. <i>Chirality</i> , 2005, 17, 515-521.	1.3	24



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127	Enantioselective Fluorescence Sensing of Amino Acids by Modified Cyclodextrins: Role of the Cavity and Sensing Mechanism. <i>Chemistry - A European Journal</i> , 2005, 11, 7145-7145.	1.7	3
128	Polymerase chain reaction coupled with peptide nucleic acid high-performance liquid chromatography for the sensitive detection of traces of potentially allergenic hazelnut in foodstuffs. <i>European Food Research and Technology</i> , 2005, 220, 619-624.	1.6	26
129	Anti-gene peptide nucleic acid specifically inhibits MYCN expression in human neuroblastoma cells leading to cell growth inhibition and apoptosis. <i>Molecular Cancer Therapeutics</i> , 2005, 4, 779-786.	1.9	86
130	Development of a Peptide Nucleic Acid Array Platform for the Detection of Genetically Modified Organisms in Food. <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 3958-3962.	2.4	74
131	Fast parallel enantiomeric analysis of unmodified amino acids by sensing with fluorescent $\beta^2$ -cyclodextrins. <i>Journal of Materials Chemistry</i> , 2005, 15, 2741.	6.7	50
132	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. <i>International Journal of Oncology</i> , 2004, 24, 265.	1.4	9
133	Functional Dissection of RNA Polymerase III Termination Using a Peptide Nucleic Acid as a Transcriptional Roadblock. <i>Journal of Biological Chemistry</i> , 2004, 279, 20708-20716.	1.6	11
134	Enhanced recognition of cystic fibrosis W1282X DNA point mutation by chiral peptide nucleic acid probes by a surface plasmon resonance biosensor. <i>Journal of Molecular Recognition</i> , 2004, 17, 76-84.	1.1	59
135	Enantioselective Fluorescence Sensing of Amino Acids by Modified Cyclodextrins: Role of the Cavity and Sensing Mechanism. <i>Chemistry - A European Journal</i> , 2004, 10, 2749-2758.	1.7	121
136	Detection of Genetically Modified Soybean Using Peptide Nucleic Acids (PNAs) and Microarray Technology. <i>Journal of Agricultural and Food Chemistry</i> , 2004, 52, 4535-4540.	2.4	43
137	Fluorescence Enhancement of Aflatoxins Using Native and Substituted Cyclodextrins. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2003, 45, 257-263.	1.6	33
138	Fast, Solid-Phase Synthesis of Chiral Peptide Nucleic Acids with a High Optical Purity by a Submonomeric Strategy. <i>European Journal of Organic Chemistry</i> , 2003, 2003, 1056-1063.	1.2	34
139	Enantiomeric separation of chiral peptide nucleic acid monomers by capillary electrophoresis with charged cyclodextrins. <i>Electrophoresis</i> , 2003, 24, 2698-2703.	1.3	6
140	Design and synthesis of fluorescent $\beta$ -cyclodextrins for the enantioselective sensing of $\beta$ -amino acids. <i>Chirality</i> , 2003, 15, S30-S39.	1.3	36
141	ESI-mass spectrometry analysis of unsubstituted and disubstituted $\beta^2$ -cyclodextrins: fragmentation mode and identification of the AB, AC, AD regioisomers. <i>Journal of the American Society for Mass Spectrometry</i> , 2003, 14, 124-135.	1.2	23
142	Direction control in DNA binding of chiral d-lysine-based peptide nucleic acid (PNA) probed by electrospray mass spectrometry. <i>Chemical Communications</i> , 2003, , 1102-1103.	2.2	22
143	Insights into peptide nucleic acid (PNA) structural features: The crystal structure of a D-lysine-based chiral PNA-DNA duplex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 12021-12026.	3.3	143
144	Role of chirality and optical purity in nucleic acid recognition by PNA and PNA analogs. <i>Chirality</i> , 2002, 14, 591-598.	1.3	37

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145	Racemization of chiral PNAs during solid-phase synthesis: effect of the coupling conditions on enantiomeric purity. <i>Tetrahedron: Asymmetry</i> , 2002, 13, 1629-1636.	1.8	32
146	Crystallization and preliminary X-ray diffraction studies of aD-lysine-based chiral PNA-DNA duplex. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2002, 58, 553-555.	2.5	6
147	Epimerization of peptide nucleic acids analogs during solid-phase synthesis: optimization of the coupling conditions for increasing the optical purity. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2001, , 2690-2696.	1.3	17
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