

Anna Grandas

List of Publications by Year in descending order

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94
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218677

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265206

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docs citations

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times ranked

2135
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#	ARTICLE	IF	CITATIONS
1	Diketopiperazine formation in solid phase peptide synthesis using p-alkoxybenzyl ester resins and Fmoc-amino acids. <i>Tetrahedron Letters</i> , 1986, 27, 743-746.	1.4	124
2	Mammalian frataxin directly enhances sulfur transfer of NFS1 persulfide to both ISCU and free thiols. <i>Nature Communications</i> , 2015, 6, 5686.	12.8	123
3	Processing of nucleopeptides mimicking the topoisomerase I-DNA covalent complex by tyrosyl-DNA phosphodiesterase. <i>Nucleic Acids Research</i> , 2002, 30, 1198-1204.	14.5	119
4	Physiologically relevant reconstitution of iron-sulfur cluster biosynthesis uncovers persulfide-processing functions of ferredoxin-2 and frataxin. <i>Nature Communications</i> , 2019, 10, 3566.	12.8	107
5	Design and DNA Binding of an Extended Triple-Stranded Metallo-supramolecular Cylinder. <i>Chemistry - A European Journal</i> , 2005, 11, 1750-1756.	3.3	61
6	Diels-Alder cycloadditions in water for the straightforward preparation of peptide-oligonucleotide conjugates. <i>Nucleic Acids Research</i> , 2006, 34, e24-e24.	14.5	59
7	Nucleic Acid Triple Helices: Stability Effects of Nucleobase Modifications. <i>Current Organic Chemistry</i> , 2002, 6, 1333-1368.	1.6	59
8	A Straightforward Solid-Phase Synthesis of Cyclic Oligodeoxyribonucleotides. <i>Angewandte Chemie International Edition in English</i> , 1997, 36, 1506-1508.	4.4	56
9	Towards a Better Understanding of the Cisplatin Mode of Action. <i>Chemistry - A European Journal</i> , 2001, 7, 808-815.	3.3	55
10	Multivariate Curve Resolution Applied to the Analysis and Resolution of Two-Dimensional [¹ H, ¹⁵ N] NMR Reaction Spectra. <i>Analytical Chemistry</i> , 2004, 76, 7094-7101.	6.5	55
11	Binding Affinities of Oligonucleotides and PNAs Containing Phenoxazine and G-Clamp Cytosine Analogues Are Unusually Sequence-Dependent. <i>Organic Letters</i> , 2007, 9, 4503-4506.	4.6	54
12	Synthesis of deoxycytidine oligomers containing phosphorodithioate linkages. <i>Tetrahedron Letters</i> , 1989, 30, 543-546.	1.4	47
13	The bi-loop, a new general four-stranded DNA motif. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 5515-5518.	7.1	47
14	Convergent solid phase peptide synthesis. I. Synthesis of protected segments on a hydroxymethylphenyloxymethyl resin using the base labile Fmoc β -amine protection. Model synthesis of LHRH.. <i>Tetrahedron</i> , 1982, 38, 1183-1192.	1.9	45
15	Maleimide-Dimethylfuran <i>exo</i> Adducts: Effective Maleimide Protection in the Synthesis of Oligonucleotide Conjugates. <i>Organic Letters</i> , 2011, 13, 4364-4367.	4.6	44
16	Synthesis of Amino- and Guanidino-G-Clamp PNA Monomers. <i>Organic Letters</i> , 2002, 4, 4073-4075.	4.6	43
17	Equilibrium, kinetic and HPLC study of the reactions between platinum(ii) complexes and DNA constituents in the presence and absence of glutathione. <i>Dalton Transactions</i> , 2004, , 3869-3877.	3.3	43
18	Towards nucleopeptides containing any trifunctional amino acid. <i>Tetrahedron</i> , 1999, 55, 13251-13264.	1.9	38

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19	Stepwise Solid-Phase Synthesis of the Nucleopeptide Phac-Phe-Val-Ser(p3'ACT)-Gly-OH. <i>Journal of Organic Chemistry</i> , 1994, 59, 2482-2486.	3.2	37
20	Synthesis and Enzymatic Stability of Phosphodiester-Linked Peptide~Oligonucleotide Hybrids. <i>Bioconjugate Chemistry</i> , 1997, 8, 785-788.	3.6	37
21	Anchoring of Fmoc~amino acids to hydroxymethyl resins. <i>International Journal of Peptide and Protein Research</i> , 1989, 33, 386-390.	0.1	35
22	Identification of Ligands for the Tau Exon...10 Splicing Regulatory Element RNA by Using Dynamic Combinatorial Chemistry. <i>Chemistry - A European Journal</i> , 2011, 17, 1946-1953.	3.3	34
23	Solid-phase synthesis of a nucleopeptide from the linking site of adenovirus-2 nucleoprotein, -Ser(p5~CATCAT)-Gly-Asp-. Convergent versus stepwise strategy. <i>Nucleic Acids Research</i> , 1995, 23, 4151-4161.	14.5	33
24	Synthesis of oligonucleotide phosphorodithioates. <i>Tetrahedron</i> , 1991, 47, 2377-2388.	1.9	31
25	Criteria for the economic large scale solid-phase synthesis of oligonucleotides. <i>Tetrahedron</i> , 1994, 50, 2617-2622.	1.9	30
26	Cyclic Phosphate-Linked Oligosaccharides:~Synthesis and Conformational Behavior of Novel Cyclic Oligosaccharide Analogues. <i>Journal of Organic Chemistry</i> , 2006, 71, 3395-3408.	3.2	28
27	Towards nucleopeptides containing any trifunctional amino acid (II). <i>Tetrahedron</i> , 2002, 58, 6965-6978.	1.9	27
28	A comparison of histidine protecting groups in the synthesis of peptide-oligonucleotide conjugates. <i>Tetrahedron Letters</i> , 1998, 39, 4115-4118.	1.4	25
29	Synthesis of modified oligonucleotides containing 4-guanidino-2-pyrimidinone nucleobases. <i>Tetrahedron</i> , 2001, 57, 179-194.	1.9	25
30	Local RNA flexibility perturbation of the IRES element induced by a novel ligand inhibits viral RNA translation. <i>RNA Biology</i> , 2015, 12, 555-568.	3.1	25
31	Insights into the Reaction of Transplatin with DNA and Proteins: Methionine-Mediated Formation of Histidine-Guaninetrans-Pt(NH3)2Cross-Links. <i>Chemistry - A European Journal</i> , 2004, 10, 5369-5375.	3.3	24
32	Compensatory effects of the human nucleoside transporters on the response to nucleoside-derived drugs in breast cancer MCF7 cells. <i>Biochemical Pharmacology</i> , 2008, 75, 639-648.	4.4	23
33	Convergent solid phase peptide synthesis. VII. Good yields in the coupling of protected segments on a solid support. <i>Tetrahedron</i> , 1989, 45, 4637-4648.	1.9	21
34	Alternative Procedures for the Synthesis of Methionine-Containing Peptide~Oligonucleotide Hybrids. <i>European Journal of Organic Chemistry</i> , 2000, 2000, 2495-2500.	2.4	21
35	AN IMPROVED SYNTHESIS OF N-[(9-HYDROXYMETHYL)-2-FLUORENYL]SUCCINAMIC ACID (HMFS), A VERSATILE HANDLE FOR THE SOLID-PHASE SYNTHESIS OF BIOMOLECULES. <i>Synthetic Communications</i> , 2001, 31, 225-232.	2.1	21
36	Exploiting Protected Maleimides to Modify Oligonucleotides, Peptides and Peptide Nucleic Acids. <i>Molecules</i> , 2015, 20, 6389-6408.	3.8	21

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37	Convergent solid phase peptide synthesis. v. synthesis of the 1-4, 32-34, and 53-59 protected segments of the toxin ii of androctonus australis hector.. Tetrahedron, 1987, 43, 5961-5971.	1.9	20
38	Solid phase synthesis of a model nucleopeptide with a phosphodiester bond between the 5' end of a trinucleotide and a serine residue. Tetrahedron Letters, 1991, 32, 4389-4392.	1.4	20
39	Oligonucleotidcyclization: the thiol-maleimide reaction revisited. Chemical Communications, 2013, 49, 309-311.	4.1	20
40	Orthogonal Protection of Peptides and Peptoids for Cyclization by the Thiol-ene Reaction and Conjugation. Journal of Organic Chemistry, 2014, 79, 2843-2853.	3.2	20
41	Selective Platination of Modified Oligonucleotides and Duplex Cross-Links. Angewandte Chemie - International Edition, 2006, 45, 8194-8197.	13.8	18
42	Conjugation Reactions Involving Maleimides and Phosphorothioate Oligonucleotides. Bioconjugate Chemistry, 2012, 23, 300-307.	3.6	18
43	Protected Maleimide Building Blocks for the Decoration of Peptides, Peptoids, and Peptide Nucleic Acids. Bioconjugate Chemistry, 2013, 24, 832-839.	3.6	18
44	Convergent solid phase peptide synthesis IV.. Tetrahedron, 1986, 42, 6703-6711.	1.9	17
45	A New Method for the Preparation of Modified Oligonucleotides. Organic Letters, 2002, 4, 1827-1830.	4.6	16
46	Solution Structure and Stability of Tryptophan-Containing Nucleopeptide Duplexes. ChemBioChem, 2003, 4, 40-49.	2.6	16
47	Directing Quadruplex-Stabilizing Drugs to the Telomere: Synthesis and Properties of Acridine Oligonucleotide Conjugates. Bioconjugate Chemistry, 2006, 17, 1351-1359.	3.6	16
48	Convergent solid phase peptide synthesis vi : synthesis by the fmoc procedure with a modified protocol of two protected segments, sequence 5-17 and 18-31 of the neurotoxin ii of the scorpion androctonus australis hector.. Tetrahedron, 1987, 43, 5973-5980.	1.9	15
49	Peptide-Oligonucleotide Hybrids with N-Acylphosphoramidate Linkages. Journal of Organic Chemistry, 1995, 60, 4856-4861.	3.2	15
50	Making cyclic RNAs easily available. Chemical Communications, 1999, , 1593-1594.	4.1	15
51	Arenesulphonyltriazaolides as condensing reagents in solid phase peptide synthesis. Tetrahedron Letters, 1990, 31, 1915-1918.	1.4	14
52	Electron Paramagnetic Resonance (EPR) Study of Spin-Labeled Camptothecin Derivatives: A Different Look of the Ternary Complex. Journal of Medicinal Chemistry, 2011, 54, 1003-1009.	6.4	14
53	Straightforward Synthesis of Cyclic and Bicyclic Peptides. Organic Letters, 2013, 15, 2038-2041.	4.6	14
54	Fast atom bombardment mass spectrometry of protected peptide segments. Biomedical & Environmental Mass Spectrometry, 1988, 15, 681-684.	1.6	13

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55	An acid-labile linker for solid-phase oligoribonucleotide synthesis using Fmoc group for 5'-hydroxyl protection. <i>Tetrahedron Letters</i> , 1993, 34, 2195-2198.	1.4	13
56	Stepwise solid-phase synthesis of nucleopeptide Phac-Ser(p5'-CATCAT)-Gly-Asp-OH from adenovirus-2 nucleoprotein. <i>Tetrahedron Letters</i> , 1994, 35, 4449-4452.	1.4	13
57	Easy introduction of maleimides at different positions of oligonucleotide chains for conjugation purposes. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 8478.	2.8	13
58	Use of Dimethyldioxirane for the Oxidation of 1,2-Dithiolan-3-ones to 1-Oxides or 1,1-Dioxides. Preparation of 3H-1,2-Benzodithiol-3-one 1,1-Dioxide (Beaucage Sulfurizing Reagent). <i>Synthesis</i> , 1999, 1999, 43-45.	2.3	12
59	Stabilization of DNA duplexes by covalently-linked peptides. <i>Tetrahedron</i> , 2004, 60, 5461-5469.	1.9	12
60	On-Resin Conjugation of Diene-Polyamides and Maleimides via Diels-Alder Cycloaddition. <i>Journal of Organic Chemistry</i> , 2015, 80, 6093-6101.	3.2	10
61	Selective Derivatization of N-Terminal Cysteines Using Cyclopentenediones. <i>Organic Letters</i> , 2016, 18, 4836-4839.	4.6	10
62	Inverse Electron-Demand Diels-Alder Bioconjugation Reactions Using 7-Oxanorbornenes as Dienophiles. <i>Journal of Organic Chemistry</i> , 2020, 85, 6593-6604.	3.2	10
63	Determination of the preferred tautomeric form of 4-nitrohistidine. <i>Journal of Heterocyclic Chemistry</i> , 1986, 23, 921-924.	2.6	9
64	Phosphitylation of Primary Carboxamides. Synthesis of Peptide-Oligonucleotide Conjugates with Acylphosphoramidate Linkages. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 1995, 14, 825-828.	1.1	9
65	Incorporation of two modified nucleosides allows selective platination of an oligonucleotide making it suitable for duplex cross-linking. <i>Journal of Biological Inorganic Chemistry</i> , 2007, 12, 901-911.	2.6	9
66	Study of the interaction between a histidine-deoxyguanosine hybrid and cisplatin. <i>Journal of Biological Inorganic Chemistry</i> , 1999, 4, 701-707.	2.6	8
67	Fluorescent Nucleoside Derivatives as a Tool for the Detection of Concentrative Nucleoside Transporter Activity Using Confocal Microscopy and Flow Cytometry. <i>Molecular Pharmaceutics</i> , 2015, 12, 2158-2166.	4.6	8
68	Diels-Alder cycloadditions in water for the straightforward preparation of peptide-oligonucleotide conjugates. <i>Nucleic Acids Research</i> , 2006, 34, 1668-1668.	14.5	7
69	Reversed-phase high-performance liquid chromatography of protected peptide segments. <i>Journal of Chromatography A</i> , 1987, 409, 281-290.	3.7	6
70	Predictable and Reproducible Yields in the Anchoring of Dmt-nucleoside-succinates to Highly Loaded Aminoalkyl-Polystyrene Resins. <i>Nucleosides & Nucleotides</i> , 1993, 12, 967-971.	0.5	6
71	The Mechanism of Cleavage Under Basic Conditions of Succinyl-Anchored Oligonucleotides. <i>Nucleosides & Nucleotides</i> , 1998, 17, 1177-1182.	0.5	6
72	Guanine-Containing DNA Minor-Groove Binders. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 1398-1406.	2.4	6

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73	Homoserine derivatives for the preparation of base-stable nucleopeptide analogues. <i>International Journal of Peptide Research and Therapeutics</i> , 1997, 4, 147-155.	0.1	5
74	Synthesis and triple helix-forming ability of oligonucleotides with N,N-dimethylaminoethyl phosphoramidate linkages. <i>Tetrahedron Letters</i> , 1999, 40, 7131-7134.	1.4	5
75	Preparation of Ribonuclease S Domain-Swapped Dimers Conjugated with DNA and PNA: Modulating the Activity of Ribonucleases. <i>Bioconjugate Chemistry</i> , 2008, 19, 263-270.	3.6	5
76	Esterification of Maleamic Acids without Double Bond Isomerization. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 2600-2606.	2.4	5
77	Stepwise Solid-Phase Synthesis of Serine-, Tyrosine- and Homoserine-nucleopeptides. <i>Nucleosides & Nucleotides</i> , 1997, 16, 1487-1488.	0.5	4
78	Solution structure and stability of a disulfide cross-linked nucleopeptide duplex. <i>Chemical Communications</i> , 2003, , 2558-2559.	4.1	4
79	A Solid-Phase Method for the Synthesis of Small to Medium-Sized Cyclic Oligonucleotides. <i>Nucleosides & Nucleotides</i> , 1997, 16, 1513-1514.	0.5	3
80	Progress in the Synthesis of Cyclic Deoxyribo- and Oligoribonucleotides. <i>Nucleosides & Nucleotides</i> , 1999, 18, 1181-1182.	0.5	3
81	Solid-Phase Synthesis of Circular Oligonucleotides. , 2005, 288, 101-126.		3
82	Linking the 3' Ends of Oligonucleotide Duplexes with Cystine Disulfide Bridges. <i>European Journal of Organic Chemistry</i> , 2006, 2006, 958-963.	2.4	3
83	Stepwise Solid-Phase Synthesis of Nucleopeptides. <i>Current Protocols in Nucleic Acid Chemistry</i> , 2007, 31, Unit 4.22.	0.5	3
84	Synthesis of Peptide-Oligonucleotide Conjugates by Diels-Alder Cycloaddition in Water. <i>Current Protocols in Nucleic Acid Chemistry</i> , 2007, 31, Unit 4.32.	0.5	3
85	Preparation of an aspartic acid-containing protected peptide. <i>International Journal of Peptide and Protein Research</i> , 1994, 43, 359-362.	0.1	3
86	Simultaneous Cyclization and Derivatization of Peptides Using Cyclopentenediones. <i>Organic Letters</i> , 2017, 19, 992-995.	4.6	3
87	Retro-1-Oligonucleotide Conjugates. Synthesis and Biological Evaluation. <i>Molecules</i> , 2019, 24, 579.	3.8	3
88	Stepwise Solid-Phase Synthesis of Nucleopeptides. <i>Current Protocols in Nucleic Acid Chemistry</i> , 2004, 16, 4.22.1.	0.5	2
89	The Stepwise Solid-Phase Synthesis Methodology is Suitable for the Preparation of a Great Variety of Nucleopeptides. <i>Nucleosides & Nucleotides</i> , 1999, 18, 1493-1494.	0.5	1
90	Synthesis of Thymine-Modified Oligonucleotides. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2003, 22, 1081-1083.	1.1	1

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91	4-Guanidino-2-pyrimidinone Nucleobases: Synthesis and Hybridization Properties. Nucleosides, Nucleotides and Nucleic Acids, 2003, 22, 1085-1087.	1.1	1
92	Substitution Reactions on Pd(II) L-Histidine-diaqua Complexes: Comparative View from Chloride to Nucleobases and Dinucleotides. Bioinorganic Reaction Mechanisms, 1999, 1, .	0.4	0
93	Compatibility between the cysteine-cyclopentenedione reaction and the copper(<i>i</i>)-catalyzed azide-alkyne cycloaddition. Organic and Biomolecular Chemistry, 2018, 16, 9185-9190.	2.8	0
94	Synthesis of serine-phosphitylated peptides and peptide-oligonucleotide conjugates. , 1993, , 336-337.		0