

Enrique Pedroso

List of Publications by Year in descending order

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122
papers

2,925
citations

159585

30
h-index

214800

47
g-index

129
all docs

129
docs citations

129
times ranked

2170
citing authors

#	ARTICLE	IF	CITATIONS
1	Reactivity with monoclonal antibodies of viruses from an episode of foot-and-mouth disease. <i>Virus Research</i> , 1987, 8, 261-274.	2.2	127
2	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
3	Formation of aspartimide peptides in Asp-Gly sequences. <i>Tetrahedron Letters</i> , 1989, 30, 497-500.	1.4	115
4	Application of gel-phase ¹³ C-NMR to monitor solid phase peptide synthesis. <i>Tetrahedron</i> , 1984, 40, 4141-4152.	1.9	104
5	Genetic reductionist approach for dissecting individual roles of GGDEF proteins within the c-di-GMP signaling network in <i>Salmonella</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 7997-8002.	7.1	86
6	Multivariate curve resolution: a powerful tool for the analysis of conformational transitions in nucleic acids. <i>Nucleic Acids Research</i> , 2002, 30, 92e-92.	14.5	66
7	Use of Synthetic Analogs for a Study on the Structure-Activity Relationship of Apamin. <i>FEBS Journal</i> , 1978, 82, 293-299.	0.2	59
8	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
9	Nucleic Acid Triple Helices: Stability Effects of Nucleobase Modifications. <i>Current Organic Chemistry</i> , 2002, 6, 1333-1368.	1.6	59
10	Convergent solid phase peptide synthesis. II. Synthesis of the 6 apamin protected segment on a NBB-resin. Synthesis of apamin. <i>Tetrahedron</i> , 1982, 38, 1193-1201.	1.9	56
11	A Straightforward Solid-Phase Synthesis of Cyclic Oligodeoxyribonucleotides. <i>Angewandte Chemie International Edition in English</i> , 1997, 36, 1506-1508.	4.4	56
12	Towards a Better Understanding of the Cisplatin Mode of Action. <i>Chemistry - A European Journal</i> , 2001, 7, 808-815.	3.3	55
13	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
14	A Simple Cytosine to G-Clamp Nucleobase Substitution Enables Chiral PNAs to Invade Mixed-Sequence Double-Helical B-form DNA. <i>ChemBioChem</i> , 2008, 9, 2388-2391.	2.6	54
15	Comparative study of supports for solid-phase coupling of protected-peptide segments. <i>Journal of Organic Chemistry</i> , 1989, 54, 360-366.	3.2	51
16	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
17	Convergent solid phase peptide synthesis. I. Synthesis of protected segments on a hydroxymethylphenoxymethyl resin using the base labile Fmoc- α -amine protection. Model synthesis of LHRH. <i>Tetrahedron</i> , 1982, 38, 1183-1192.	1.9	45
18	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

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19	Synthesis of Amino- and Guanidino-G-Clamp PNA Monomers. <i>Organic Letters</i> , 2002, 4, 4073-4075.	4.6	43
20	Diketopiperazine formation in acetamido- and nitrobenzamido-bridged polymeric supports. <i>Tetrahedron Letters</i> , 1981, 22, 3779-3782.	1.4	42
21	NPE-resin, a new approach to the solid-phase synthesis of protected peptides and oligonucleotides I: Synthesis of the supports and their application to oligonucleotide synthesis. <i>Tetrahedron Letters</i> , 1991, 32, 1511-1514.	1.4	42
22	Dimeric Solution Structure of Two Cyclic Octamers: A Four-Stranded DNA Structure Stabilized by A:T:A:T and G:C:G:C Tetrads. <i>Journal of the American Chemical Society</i> , 2000, 122, 12732-12742.	13.7	42
23	Tightening the Belt on Polymerases: Evaluating the Physical Constraints on Enzyme Substrate Size. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 3654-3657.	13.8	39
24	Towards nucleopeptides containing any trifunctional amino acid. <i>Tetrahedron</i> , 1999, 55, 13251-13264.	1.9	38
25	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
26	Synthesis and Enzymatic Stability of Phosphodiester-Linked Peptide-Oligonucleotide Hybrids. <i>Bioconjugate Chemistry</i> , 1997, 8, 785-788.	3.6	37
27	A synthetic procedure for the preparation of oligonucleotides without using ammonia and its application for the synthesis of oligonucleotides containing O-4-alkyl thymidines. <i>Tetrahedron</i> , 1992, 48, 4171-4182.	1.9	36
28	Anchoring of Fmoc-amino acids to hydroxymethyl resins. <i>International Journal of Peptide and Protein Research</i> , 1989, 33, 386-390.	0.1	35
29	Uteroglobin-like peptide cavities I. Synthesis of antiparallel and parallel dimers of bis-cysteine peptides. <i>Tetrahedron Letters</i> , 1988, 29, 3845-3848.	1.4	34
30	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
31	A minimal i-motif stabilized by minor groove G:T:G:T tetrads. <i>Nucleic Acids Research</i> , 2012, 40, 11737-11747.	14.5	33
32	Synthesis and characterization of oligodeoxynucleotides containing the mutagenic base analogue 4-O-ethylthymine. <i>Nucleic Acids Research</i> , 1990, 18, 5729-5734.	14.5	30
33	Criteria for the economic large scale solid-phase synthesis of oligonucleotides. <i>Tetrahedron</i> , 1994, 50, 2617-2622.	1.9	30
34	Four-Stranded DNA Structure Stabilized by a Novel G:C:A:T Tetrad. <i>Journal of the American Chemical Society</i> , 2003, 125, 5654-5662.	13.7	29
35	Four-Stranded DNA Structures Can Be Stabilized by Two Different Types of Minor Groove C:C:G:C Tetrads. <i>Journal of the American Chemical Society</i> , 2007, 129, 2004-2014.	13.7	29
36	Cyclic Phosphate-Linked Oligosaccharides: A Synthesis and Conformational Behavior of Novel Cyclic Oligosaccharide Analogues. <i>Journal of Organic Chemistry</i> , 2006, 71, 3395-3408.	3.2	28

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37	Towards nucleopeptides containing any trifunctional amino acid (II). <i>Tetrahedron</i> , 2002, 58, 6965-6978.	1.9	27
38	Self-association of short DNA loops through minor groove C:G:C tetrads. <i>Nucleic Acids Research</i> , 2009, 37, 3264-3275.	14.5	27
39	Convergent solid phase peptide synthesis-III. <i>Tetrahedron</i> , 1986, 42, 691-698.	1.9	25
40	Gel-phase ³¹ P-NMR. A new analytical tool to evaluate solid phase oligonucleoside synthesis.. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1993, 3, 2793-2796.	2.2	25
41	A comparison of histidine protecting groups in the synthesis of peptide-oligonucleotide conjugates. <i>Tetrahedron Letters</i> , 1998, 39, 4115-4118.	1.4	25
42	Synthesis of modified oligonucleotides containing 4-guanidino-2-pyrimidinone nucleobases. <i>Tetrahedron</i> , 2001, 57, 179-194.	1.9	25
43	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
44	Polystyrene-supported synthesis by the phosphite triester approach: An alternative for the large scale synthesis of small oligodeoxyribonucleotides.. <i>Tetrahedron Letters</i> , 1990, 31, 6231-6234.	1.4	24
45	Insights into the Reaction of Transplatin with DNA and Proteins: Methionine-Mediated Formation of Histidine-Guaninetrans-Pt(NH ₃) ₂ Cross-Links. <i>Chemistry - A European Journal</i> , 2004, 10, 5369-5375.	3.3	24
46	(S)-9-Fluorenylmethyl-L-cysteine, a useful HF-stable derivative for peptide synthesis. <i>Journal of the Chemical Society Chemical Communications</i> , 1986, , 1501.	2.0	23
47	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
48	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
49	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
50	Exploiting Protected Maleimides to Modify Oligonucleotides, Peptides and Peptide Nucleic Acids. <i>Molecules</i> , 2015, 20, 6389-6408.	3.8	21
51	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.. <i>Tetrahedron</i> , 1987, 43, 5961-5971.	1.9	20
52	Solid phase synthesis of a model nucleopeptide with a phosphodiester bond between the 5' end of a trinucleotide and a serine residue. <i>Tetrahedron Letters</i> , 1991, 32, 4389-4392.	1.4	20
53	Oligonucleotidcyclization: the thiol-maleimide reaction revisited. <i>Chemical Communications</i> , 2013, 49, 309-311.	4.1	20
54	Orthogonal Protection of Peptides and Peptoids for Cyclization by the Thiol~Ene Reaction and Conjugation. <i>Journal of Organic Chemistry</i> , 2014, 79, 2843-2853.	3.2	20

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55	Selective Platination of Modified Oligonucleotides and Duplex Cross-Links. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 8194-8197.	13.8	18
56	Conjugation Reactions Involving Maleimides and Phosphorothioate Oligonucleotides. <i>Bioconjugate Chemistry</i> , 2012, 23, 300-307.	3.6	18
57	Protected Maleimide Building Blocks for the Decoration of Peptides, Peptoids, and Peptide Nucleic Acids. <i>Bioconjugate Chemistry</i> , 2013, 24, 832-839.	3.6	18
58	Convergent solid phase peptide synthesis IV.. <i>Tetrahedron</i> , 1986, 42, 6703-6711.	1.9	17
59	Use of polar picolyl protecting groups in peptide synthesis. <i>Journal of Organic Chemistry</i> , 1988, 53, 5386-5389.	3.2	17
60	Antibodies against <i>Drosophila</i> potassium channels identify membrane proteins across species. <i>Molecular Brain Research</i> , 1989, 5, 171-176.	2.3	16
61	A New Method for the Preparation of Modified Oligonucleotides. <i>Organic Letters</i> , 2002, 4, 1827-1830.	4.6	16
62	Directing Quadruplex-Stabilizing Drugs to the Telomere: Synthesis and Properties of Acridine ² Oligonucleotide Conjugates. <i>Bioconjugate Chemistry</i> , 2006, 17, 1351-1359.	3.6	16
63	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 <i>androctonus australis hector</i> .. <i>Tetrahedron</i> , 1987, 43, 5973-5980.	1.9	15
64	Peptide-Oligonucleotide Hybrids with N-Acylphosphoramidate Linkages. <i>Journal of Organic Chemistry</i> , 1995, 60, 4856-4861.	3.2	15
65	Making cyclic RNAs easily available. <i>Chemical Communications</i> , 1999, , 1593-1594.	4.1	15
66	Structures and Stabilities of Small DNA Dumbbells with Watson-Crick and Hoogsteen Base Pairs. <i>ChemBioChem</i> , 2003, 4, 623-632.	2.6	14
67	Electron Paramagnetic Resonance (EPR) Study of Spin-Labeled Camptothecin Derivatives: A Different Look of the Ternary Complex. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 1003-1009.	6.4	14
68	Straightforward Synthesis of Cyclic and Bicyclic Peptides. <i>Organic Letters</i> , 2013, 15, 2038-2041.	4.6	14
69	Fast atom bombardment mass spectrometry of protected peptide segments. <i>Biomedical & Environmental Mass Spectrometry</i> , 1988, 15, 681-684.	1.6	13
70	Preparation of oligonucleotides containing dAICA using an unexpected side-reaction observed on a protected derivative of 2-aza-2'-deoxyinosine.. <i>Tetrahedron</i> , 1991, 47, 8917-8930.	1.9	13
71	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
72	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

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73	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
74	Î±-(Phenylacetamido)benzylpolystyrene (pab-resin). <i>Tetrahedron</i> , 1981, 37, 2007-2010.	1.9	12
75	Determination of acid dissociation constants of histidine-containing peptides by proton magnetic resonance spectroscopy. <i>Magnetic Resonance in Chemistry</i> , 1983, 21, 208-213.	0.7	12
76	The relevance of imidazole tautomerism for the hormonal activity of histidine-containing peptides. <i>Bioorganic Chemistry</i> , 1986, 14, 405-416.	4.1	12
77	Eine kurze Festphasensynthese fÃ¼r cyclische Oligodesoxyribonucleotide. <i>Angewandte Chemie</i> , 1997, 109, 1564-1567.	2.0	12
78	NMR Structure of Two Cyclic Oligonucleotides. A Monomer~Dimer Equilibrium between Dumbbell and Quadruplex Structures. <i>Journal of the American Chemical Society</i> , 1998, 120, 2176-2177.	13.7	12
79	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
80	Stabilization of DNA duplexes by covalently-linked peptides. <i>Tetrahedron</i> , 2004, 60, 5461-5469.	1.9	12
81	A new approach to the solid-phase peptide synthesis of peptide alkyl-amides and esters. <i>Tetrahedron Letters</i> , 1992, 33, 2183-2186.	1.4	11
82	Self-association of cyclic oligonucleotides through G:T:G:T minor groove tetrads. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 4067-4073.	3.0	11
83	Putative One~Pot Prebiotic Polypeptides with Ribonucleolytic Activity. <i>Chemistry - A European Journal</i> , 2010, 16, 5314-5323.	3.3	11
84	Solid phase synthesis of tyrosine-containing histone fragments. <i>Tetrahedron</i> , 1983, 39, 3185-3188.	1.9	10
85	RNA recognition and self-association of CPEB4 is mediated by its tandem RRM domains. <i>Nucleic Acids Research</i> , 2014, 42, 10185-10195.	14.5	10
86	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
87	Selective Derivatization of <i>N</i>-Terminal Cysteines Using Cyclopentenediones. <i>Organic Letters</i> , 2016, 18, 4836-4839.	4.6	10
88	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
89	Determination of the preferred tautomeric form of 4~Nitrohistidine. <i>Journal of Heterocyclic Chemistry</i> , 1986, 23, 921-924.	2.6	9
90	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

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91	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
92	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
93	Reversible protection of lysine to facilitate the purification of protected peptide segments. <i>Tetrahedron Letters</i> , 1992, 33, 397-400.	1.4	7
94	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
95	Reversed-phase high-performance liquid chromatography of protected peptide segments. <i>Journal of Chromatography A</i> , 1987, 409, 281-290.	3.7	6
96	Use of polystyrene-1% divinylbenzene and Kel-F-g-styrene for the simultaneous synthesis of peptides. <i>Reactive & Functional Polymers</i> , 1989, 10, 259-268.	0.8	6
97	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
98	The Mechanism of Cleavage Under Basic Conditions of Succinyl-Anchored Oligonucleotides. <i>Nucleosides & Nucleotides</i> , 1998, 17, 1177-1182.	0.5	6
99	Induced-Fit Recognition of DNA by Small Circular Oligonucleotides. <i>Chemistry - A European Journal</i> , 2006, 12, 4035-4042.	3.3	6
100	Guanine-Containing DNA Minor-Groove Binders. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 1398-1406.	2.4	6
101	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
102	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
103	Esterification of Maleamic Acids without Double Bond Isomerization. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 2600-2606.	2.4	5
104	The effect of loop residues in four-stranded dimeric structures stabilized by minor groove tetrads. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 4804.	2.8	5
105	Stepwise Solid-Phase Synthesis of Serine-, Tyrosine- and Homoserine-nucleopeptides. <i>Nucleosides & Nucleotides</i> , 1997, 16, 1487-1488.	0.5	4
106	Structure and Stability of a Dimeric G-Quadruplex Formed by Cyclic Oligonucleotides. <i>Journal of Nucleic Acids</i> , 2010, 2010, 1-6.	1.2	4
107	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
108	Progress in the Synthesis of Cyclic Deoxyribo- and Oligoribonucleotides. <i>Nucleosides & Nucleotides</i> , 1999, 18, 1181-1182.	0.5	3

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109	Solid-Phase Synthesis of Circular Oligonucleotides. , 2005, 288, 101-126.		3
110	Linking the 3' Ends of Oligonucleotide Duplexes with Cystine Disulfide Bridges. European Journal of Organic Chemistry, 2006, 2006, 958-963.	2.4	3
111	Stepwise Solid-Phase Synthesis of Nucleopeptides. Current Protocols in Nucleic Acid Chemistry, 2007, 31, Unit 4.22.	0.5	3
112	Preparation of an aspartic acid-containing protected peptide. International Journal of Peptide and Protein Research, 1994, 43, 359-362.	0.1	3
113	Simultaneous Cyclization and Derivatization of Peptides Using Cyclopentenediones. Organic Letters, 2017, 19, 992-995.	4.6	3
114	Retro-1-Oligonucleotide Conjugates. Synthesis and Biological Evaluation. Molecules, 2019, 24, 579.	3.8	3
115	NPE-resin, a new approach to the solid-phase synthesis of protected peptides and oligonucleotides. , 1991, , 134-136.		3
116	Synthesis of Oligonucleotides Containing 4-O-Ethylthymidine. Nucleosides & Nucleotides, 1991, 10, 623-624.	0.5	2
117	Stepwise Solid-Phase Synthesis of Nucleopeptides. Current Protocols in Nucleic Acid Chemistry, 2004, 16, 4.22.1.	0.5	2
118	The Stepwise Solid-Phase Synthesis Methodology is Suitable for the Preparation of a Great Variety of Nucleopeptides. Nucleosides & Nucleotides, 1999, 18, 1493-1494.	0.5	1
119	4-Guanidino-2-pyrimidinone Nucleobases: Synthesis and Hybridization Properties. Nucleosides, Nucleotides and Nucleic Acids, 2003, 22, 1085-1087.	1.1	1
120	Crystal and Solution Structure of the Bi-Loop Motif in Cyclic Octanucleotides. Nucleosides & Nucleotides, 1999, 18, 1601-1602.	0.5	0
121	Compatibility between the cysteine-cyclopentenedione reaction and the copper-catalyzed azide-alkyne cycloaddition. Organic and Biomolecular Chemistry, 2018, 16, 9185-9190.	2.8	0
122	Synthesis of serine-phosphitylated peptides and peptide-oligonucleotide conjugates. , 1993, , 336-337.		0