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	Inverse Electron-Demand Dielsâ€“Alder Bioconjugation Reactions Using 7-Oxanorbornenes as Dienophiles. Journal of Organic Chemistry, 2020, 85, 6593-6604.	3.2	10
2	Retro-1-Oligonucleotide Conjugates. Synthesis and Biological Evaluation. Molecules, 2019, 24, 579.	3.8	3
3	Compatibility between the cysteine-cyclopentenedione reaction and the copper(<scp>i</scp>)-catalyzed azideâ€“alkyne cycloaddition. Organic and Biomolecular Chemistry, 2018, 16, 9185-9190.	2.8	0
4	Simultaneous Cyclization and Derivatization of Peptides Using Cyclopentenediones. Organic Letters, 2017, 19, 992-995.	4.6	3
5	Selective Derivatization of N-Terminal Cysteines Using Cyclopentenediones. Organic Letters, 2016, 18, 4836-4839.	4.6	10
6	On-Resin Conjugation of Dieneâ€“Polyamides and Maleimides via Dielsâ€“Alder Cycloaddition. Journal of Organic Chemistry, 2015, 80, 6093-6101.	3.2	10
7	Exploiting Protected Maleimides to Modify Oligonucleotides, Peptides and Peptide Nucleic Acids. Molecules, 2015, 20, 6389-6408.	3.8	21
8	Local RNA flexibility perturbation of the IRES element induced by a novel ligand inhibits viral RNA translation. RNA Biology, 2015, 12, 555-568.	3.1	25
9	RNA recognition and self-association of CPEB4 is mediated by its tandem RRM domains. Nucleic Acids Research, 2014, 42, 10185-10195.	14.5	10
10	Orthogonal Protection of Peptides and Peptoids for Cyclization by the Thiolâ€“Ene Reaction and Conjugation. Journal of Organic Chemistry, 2014, 79, 2843-2853.	3.2	20
11	Oligonucleotidecyclization: the thiol-maleimide reaction revisited. Chemical Communications, 2013, 49, 309-311.	4.1	20
12	Protected Maleimide Building Blocks for the Decoration of Peptides, Peptoids, and Peptide Nucleic Acids. Bioconjugate Chemistry, 2013, 24, 832-839.	3.6	18
13	Straightforward Synthesis of Cyclic and Bicyclic Peptides. Organic Letters, 2013, 15, 2038-2041.	4.6	14
14	The effect of loop residues in four-stranded dimeric structures stabilized by minor groove tetrads. Organic and Biomolecular Chemistry, 2013, 11, 4804.	2.8	5
15	A minimal i-motif stabilized by minor groove G:T:G:T tetrads. Nucleic Acids Research, 2012, 40, 11737-11747.	14.5	33
16	Conjugation Reactions Involving Maleimides and Phosphorothioate Oligonucleotides. Bioconjugate Chemistry, 2012, 23, 300-307.	3.6	18
17	Easy introduction of maleimides at different positions of oligonucleotide chains for conjugation purposes. Organic and Biomolecular Chemistry, 2012, 10, 8478.	2.8	13
18	Maleimide-Dimethylfuran exo Adducts: Effective Maleimide Protection in the Synthesis of Oligonucleotide Conjugates. Organic Letters, 2011, 13, 4364-4367.	4.6	44

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19	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
20	Self-association of cyclic oligonucleotides through G:T:G:T minor groove tetrads. Bioorganic and Medicinal Chemistry, 2010, 18, 4067-4073.	3.0	11
21	Esterification of Maleamic Acids without Double Bond Isomerization. European Journal of Organic Chemistry, 2010, 2010, 2600-2606.	2.4	5
22	Putative Oneâ€Pot Prebiotic Polypeptides with Ribonucleolytic Activity. Chemistry - A European Journal, 2010, 16, 5314-5323.	3.3	11
23	Structure and Stability of a Dimeric G-Quadruplex Formed by Cyclic Oligonucleotides. Journal of Nucleic Acids, 2010, 2010, 1-6.	1.2	4
24	Genetic reductionist approach for dissecting individual roles of GGDEF proteins within the c-di-GMP signaling network in Salmonella. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 7997-8002.	7.1	86
25	Guanineâ€Containing DNA Minorâ€Groove Binders. European Journal of Organic Chemistry, 2009, 2009, 1398-1406.	2.4	6
26	Self-association of short DNA loops through minor groove C:G:G:C tetrads. Nucleic Acids Research, 2009, 37, 3264-3275.	14.5	27
27	A Simple Cytosine to Gâ€Clamp Nucleobase Substitution Enables Chiral Î³â€PNAs to Invade Mixedâ€Sequence Doubleâ€Helical Bâ€form DNA. ChemBioChem, 2008, 9, 2388-2391.	2.6	54
28	Stepwise Solidâ€Phase Synthesis of Nucleopeptides. Current Protocols in Nucleic Acid Chemistry, 2007, 31, Unit 4.22.	0.5	3
29	Binding Affinities of Oligonucleotides and PNAs Containing Phenoxazine and G-Clamp Cytosine Analogues Are Unusually Sequence-Dependent. Organic Letters, 2007, 9, 4503-4506.	4.6	54
30	Four-Stranded DNA Structures Can Be Stabilized by Two Different Types of Minor Groove G:C:G:C Tetrads. Journal of the American Chemical Society, 2007, 129, 2004-2014.	13.7	29
31	Incorporation of two modified nucleosides allows selective platination of an oligonucleotide making it suitable for duplex cross-linking. Journal of Biological Inorganic Chemistry, 2007, 12, 901-911.	2.6	9
32	Directing Quadruplex-Stabilizing Drugs to the Telomere:â€‰ Synthesis and Properties of Acridineâ€“Oligonucleotide Conjugates. Bioconjugate Chemistry, 2006, 17, 1351-1359.	3.6	16
33	Cyclic Phosphate-Linked Oligosaccharides:Â Synthesis and Conformational Behavior of Novel Cyclic Oligosaccharide Analogues. Journal of Organic Chemistry, 2006, 71, 3395-3408.	3.2	28
34	Induced-Fit Recognition of DNA by Small Circular Oligonucleotides. Chemistry - A European Journal, 2006, 12, 4035-4042.	3.3	6
35	Selective Platination of Modified Oligonucleotides and Duplex Cross-Links. Angewandte Chemie - International Edition, 2006, 45, 8194-8197.	13.8	18
36	Linking the 3â€² Ends of Oligonucleotide Duplexes with Cystine Disulfide Bridges. European Journal of Organic Chemistry, 2006, 2006, 958-963.	2.4	3

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37	Diels-Alder cycloadditions in water for the straightforward preparation of peptide-oligonucleotide conjugates. Nucleic Acids Research, 2006, 34, 1668-1668.	14.5	7
38	Diels-Alder cycloadditions in water for the straightforward preparation of peptide-oligonucleotide conjugates. Nucleic Acids Research, 2006, 34, e24-e24.	14.5	59
39	Solid-Phase Synthesis of Circular Oligonucleotides. , 2005, 288, 101-126.		3
40	Stepwise Solidâ€Phase Synthesis of Nucleopeptides. Current Protocols in Nucleic Acid Chemistry, 2004, 16, 4.22.1.	0.5	2
41	Insights into the Reaction of Transplatin with DNA and Proteins: Methionine-Mediated Formation of Histidine-Guaninetrans-Pt(NH3)2Cross-Links. Chemistry - A European Journal, 2004, 10, 5369-5375.	3.3	24
42	Stabilization of DNA duplexes by covalently-linked peptides. Tetrahedron, 2004, 60, 5461-5469.	1.9	12
43	Structures and Stabilities of Small DNA Dumbbells with Watson-Crick and Hoogsteen Base Pairs. ChemBioChem, 2003, 4, 623-632.	2.6	14
44	Four-Stranded DNA Structure Stabilized by a Novel G:C:A:T Tetrad. Journal of the American Chemical Society, 2003, 125, 5654-5662.	13.7	29
45	4-Guanidino-2-pyrimidinone Nucleobases: Synthesis and Hybridization Properties. Nucleosides, Nucleotides and Nucleic Acids, 2003, 22, 1085-1087.	1.1	1
46	A New Method for the Preparation of Modified Oligonucleotides. Organic Letters, 2002, 4, 1827-1830.	4.6	16
47	Synthesis of Amino- and Guanidino-G-Clamp PNA Monomers. Organic Letters, 2002, 4, 4073-4075.	4.6	43
48	Multivariate curve resolution: a powerful tool for the analysis of conformational transitions in nucleic acids. Nucleic Acids Research, 2002, 30, 92e-92.	14.5	66
49	Towards nucleopeptides containing any trifunctional amino acid (II). Tetrahedron, 2002, 58, 6965-6978.	1.9	27
50	Nucleic Acid Triple Helices: Stability Effects of Nucleobase Modifications. Current Organic Chemistry, 2002, 6, 1333-1368.	1.6	59
51	AN IMPROVED SYNTHESIS OF N-[(9-HYDROXYMETHYL)-2-FLUORENYL]SUCCINAMIC ACID (HMFS), A VERSATILE HANDLE FOR THE SOLID-PHASE SYNTHESIS OF BIOMOLECULES. Synthetic Communications, 2001, 31, 225-232.	2.1	21
52	Synthesis of modified oligonucleotides containing 4-guanidino-2-pyrimidinone nucleobases. Tetrahedron, 2001, 57, 179-194.	1.9	25
53	Towards a Better Understanding of the Cisplatin Mode of Action. Chemistry - A European Journal, 2001, 7, 808-815.	3.3	55
54	Alternative Procedures for the Synthesis of Methionine-Containing Peptideâ^'Oligonucleotide Hybrids. European Journal of Organic Chemistry, 2000, 2000, 2495-2500.	2.4	21

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55	Dimeric Solution Structure of Two Cyclic Octamers:Â Four-Stranded DNA Structures Stabilized by A:T:A:T and G:C:G:C Tetrads. Journal of the American Chemical Society, 2000, 122, 12732-12742.	13.7	42
56	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). Synthesis, 1999, 1999, 43-45.	2.3	12
57	Crystal and Solution Structure of the Bi-Loop Motif in Cyclic Octanucleotides. Nucleosides & Nucleotides, 1999, 18, 1601-1602.	0.5	0
58	Synthesis and triple helix-forming ability of oligonucleotides with N,N-dimethylaminoethyl phosphoramidate linkages. Tetrahedron Letters, 1999, 40, 7131-7134.	1.4	5
59	Towards nucleopeptides containing any trifunctional amino acid. Tetrahedron, 1999, 55, 13251-13264.	1.9	38
60	Study of the interaction between a histidine-deoxyguanosine hybrid and cisplatin. Journal of Biological Inorganic Chemistry, 1999, 4, 701-707.	2.6	8
61	Tightening the Belt on Polymerases: Evaluating the Physical Constraints on Enzyme Substrate Size. Angewandte Chemie - International Edition, 1999, 38, 3654-3657.	13.8	39
62	Progress in the Synthesis of Cyclic Deoxyribo- and Oligoribonucleotides. Nucleosides & Nucleotides, 1999, 18, 1181-1182.	0.5	3
63	Making cyclic RNAs easily available. Chemical Communications, 1999, , 1593-1594.	4.1	15
64	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
65	A comparison of histidine protecting groups in the synthesis of peptide-oligonucleotide conjugates. Tetrahedron Letters, 1998, 39, 4115-4118.	1.4	25
66	NMR Structure of Two Cyclic Oligonucleotides. A Monomerâ^'Dimer Equilibrium between Dumbbell and Quadruplex Structures. Journal of the American Chemical Society, 1998, 120, 2176-2177.	13.7	12
67	The Mechanism of Cleavage Under Basic Conditions of Succinyl-Anchored Oligonucleotides. Nucleosides & Nucleotides, 1998, 17, 1177-1182.	0.5	6
68	A Solid-Phase Method for the Synthesis of Small to Medium-Sized Cyclic Oligonucleotides. Nucleosides & Nucleotides, 1997, 16, 1513-1514.	0.5	3
69	Stepwise Solid-Phase Synthesis of Serine-, Tyrosine- and Homoserine-nucleopeptides. Nucleosides & Nucleotides, 1997, 16, 1487-1488.	0.5	4
70	The bi-loop, a new general four-stranded DNA motif. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 5515-5518.	7.1	47
71	Synthesis and Enzymatic Stability of Phosphodiester-Linked Peptideâ^'Oligonucleotide Hybrids. Bioconjugate Chemistry, 1997, 8, 785-788.	3.6	37
72	Homoserine derivatives for the preparation of base-stable nucleopeptide analogues. International Journal of Peptide Research and Therapeutics, 1997, 4, 147-155.	0.1	5

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73	A Straightforward Solid-Phase Synthesis of Cyclic Oligodeoxyribonucleotides. Angewandte Chemie International Edition in English, 1997, 36, 1506-1508.	4.4	56
74	Eine kurze Festphasensynthese fÃ¼r cyclische Oligodesoxyribonucleotide. Angewandte Chemie, 1997, 109, 1564-1567.	2.0	12
75	Solid-phase synthesis of a nucleopeptide from the linking site of adenovirus-2 nucleoprotein, -Ser(p5â€²CATCAT)-Gly-Asp-. Convergent versus stepwise strategy. Nucleic Acids Research, 1995, 23, 4151-4161.	14.5	33
76	Peptide-Oligonucleotide Hybrids with N-Acylphosphoramidate Linkages. Journal of Organic Chemistry, 1995, 60, 4856-4861.	3.2	15
77	Phosphitylation of Primary Carboxamides. Synthesis of Peptide-Oligonucleotide Conjugates with Acylphosphoramidate Linkages. Nucleosides, Nucleotides and Nucleic Acids, 1995, 14, 825-828.	1.1	9
78	Stepwise solid-phase synthesis of nucleopeptide Phac-Ser(p5â€²CATCAT)-Gly-Asp-OH from adenovirus-2 nucleoprotein. Tetrahedron Letters, 1994, 35, 4449-4452.	1.4	13
79	Criteria for the economic large scale solid-phase synthesis of oligonucleotides. Tetrahedron, 1994, 50, 2617-2622.	1.9	30
80	Stepwise Solid-Phase Synthesis of the Nucleopeptide Phac-Phe-Val-Ser(p3'ACT)-Gly-OH. Journal of Organic Chemistry, 1994, 59, 2482-2486.	3.2	37
81	Preparation of an aspartic acidâ€containing protected peptide. International Journal of Peptide and Protein Research, 1994, 43, 359-362.	0.1	3
82	An acid-labile linker for solid-phase oligoribonucleotide synthesis using Fmoc group for 5â€²-hydroxyl protection. Tetrahedron Letters, 1993, 34, 2195-2198.	1.4	13
83	Gel-phase 31P-NMR. A new analytical tool to evaluate solid phase oligonucleoside synthesis.. Bioorganic and Medicinal Chemistry Letters, 1993, 3, 2793-2796.	2.2	25
84	Predictable and Reproducible Yields in the Anchoring of Dmt-nucleoside-succinates to Highly Loaded Aminoalkyl-Polystyrene Resins. Nucleosides & Nucleotides, 1993, 12, 967-971.	0.5	6
85	Synthesis of serine-phosphitylated peptides and peptide-oligonucleotide conjugates. , 1993, , 336-337.		0
86	A synthetic procedure for the preparation of oligonucleotides without using ammonia and its application for the synthesis of oligonucleotides containing 0-4-alkyl thymidines.. Tetrahedron, 1992, 48, 4171-4182.	1.9	36
87	Reversible protection of lysine to facilitate the purification of protected peptide segments. Tetrahedron Letters, 1992, 33, 397-400.	1.4	7
88	A new approach to the solid-phase peptide synthesis of peptide alkyl-amides and esters. Tetrahedron Letters, 1992, 33, 2183-2186.	1.4	11
89	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.. Tetrahedron Letters, 1991, 32, 1511-1514.	1.4	42
90	Solid phase synthesis of a model nucleopeptide with a phosphodiester bond between the 5â€² end of a trinucleotide and a serine residue. Tetrahedron Letters, 1991, 32, 4389-4392.	1.4	20

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91	Preparation of oligonucleotides containing dAICA using an unexpected side-reaction observed on a protected derivative of 2-aza-2â€²-deoxyinosine.. Tetrahedron, 1991, 47, 8917-8930.	1.9	13
92	Syhthesis of Oligonucleotides Containing 4-0-Ethylthymidine. Nucleosides & Nucleotides, 1991, 10, 623-624.	0.5	2
93	NPE-resin, a new approach to the solid-phase synthesis of protected peptides and oligonucleotides. , 1991, , 134-136.		3
94	Polysytyrene-supported synthesis by the phosphite triester approach: An alternative for the large scale synthesis of small oligodeoxyribonucleotides.. Tetrahedron Letters, 1990, 31, 6231-6234.	1.4	24
95	Synthesis and characterization of oligodeoxynucleotides containing the mutagenic base analogue 4-O-ethylthymine. Nucleic Acids Research, 1990, 18, 5729-5734.	14.5	30
96	Use of polystyrene-1% divinylbenzene and Kel-F-g-styrene for the simultaneous synthesis of peptides. Reactive & Functional Polymers, 1989, 10, 259-268.	0.8	6
97	Formation of aspartimide peptides in Asp-Gly sequences. Tetrahedron Letters, 1989, 30, 497-500.	1.4	115
98	Convergent solid phase peptide synthesis. VII. Good yields in the coupling of protected segments on a solid support. Tetrahedron, 1989, 45, 4637-4648.	1.9	21
99	Antibodies against Drosophila potassium channels identify membrane proteins across species. Molecular Brain Research, 1989, 5, 171-176.	2.3	16
100	Comparative study of supports for solid-phase coupling of protected-peptide segments. Journal of Organic Chemistry, 1989, 54, 360-366.	3.2	51
101	Anchoring of Fmocâ€amino acids to hydroxymethyl resins. International Journal of Peptide and Protein Research, 1989, 33, 386-390.	0.1	35
102	Fast atom bombardment mass spectrometry of protected peptide segments. Biomedical & Environmental Mass Spectrometry, 1988, 15, 681-684.	1.6	13
103	Uteroglobin-like peptide cavities I. Synthesis of antiparallel and parallel dimers of bis-cysteine peptides. Tetrahedron Letters, 1988, 29, 3845-3848.	1.4	34
104	Use of polar picolyl protecting groups in peptide synthesis. Journal of Organic Chemistry, 1988, 53, 5386-5389.	3.2	17
105	Reactivity with monoclonal antibodies of viruses from an episode of foot-and-mouth disease. Virus Research, 1987, 8, 261-274.	2.2	127
106	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
107	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
108	Reversed-phase high-performance liquid chromatography of protected peptide segments. Journal of Chromatography A, 1987, 409, 281-290.	3.7	6

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109	(S)-9-Fluorenylmethyl-L-cysteine, a useful HF-stable derivative for peptide synthesis. Journal of the Chemical Society Chemical Communications, 1986, , 1501.	2.0	23
110	Convergent solid phase peptide synthesis IV.. Tetrahedron, 1986, 42, 6703-6711.	1.9	17
111	Convergent solid phase peptide synthesis-III. Tetrahedron, 1986, 42, 691-698.	1.9	25
112	Diketopiperazine formation in solid phase peptide synthesis using p-alkoxybenzyl ester resins and Fmoc-amino acids. Tetrahedron Letters, 1986, 27, 743-746.	1.4	124
113	Determination of the preferred tautomeric form of 4â€nitrohistidine. Journal of Heterocyclic Chemistry, 1986, 23, 921-924.	2.6	9
114	The relevance of imidazole tautomerism for the hormonal activity of histidine-containing peptides. Bioorganic Chemistry, 1986, 14, 405-416.	4.1	12
115	Application of gel-phase 13c-nmr to monitor solid phase peptide synthesis. Tetrahedron, 1984, 40, 4141-4152.	1.9	104
116	Solid phase synthesis of tyrosine-containing histone fragments. Tetrahedron, 1983, 39, 3185-3188.	1.9	10
117	Determination of acid dissociation constants of histidine-containing peptides by proton magnetic resonance spectroscopy. Magnetic Resonance in Chemistry, 1983, 21, 208-213.	0.7	12
118	Convergent solid phase peptide synthesis. I. Synthesis of protected segments on a hydroxymethylphenyloxymethyl resin using the base labile FMOC Î±-amine protection. Model synthesis of LHRH.. Tetrahedron, 1982, 38, 1183-1192.	1.9	45
119	Convergent solid phase peptide synthesis. II. Synthesis of the 1â€“6 apamin protected segment on a NBB-resin. Synthesis of apamin. Tetrahedron, 1982, 38, 1193-1201.	1.9	56
120	Diketopiperazine formation in acetamido-and nitrobenzamido-bridgedpolymeric supports.. Tetrahedron Letters, 1981, 22, 3779-3782.	1.4	42
121	Î±-(Phenylacetamido)benzylpolystyrene (pab-resin). Tetrahedron, 1981, 37, 2007-2010.	1.9	12
122	Use of Synthetic Analogs for a Study on the Structure-Activity Relationship of Apamin. FEBS Journal, 1978, 82, 293-299.	0.2	59