## Enrique Pedroso

List of Publications by Year in descending order

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159525 214721 2,925 122 30 47 citations g-index h-index papers 129 129 129 2170 docs citations times ranked citing authors all docs

#	Article	IF	Citations
1	Reactivity with monoclonal antibodies of viruses from an episode of foot-and-mouth disease. Virus Research, 1987, 8, 261-274.	1.1	127
2	Diketopiperazine formation in solid phase peptide synthesis using p-alkoxybenzyl ester resins and Fmoc-amino acids. Tetrahedron Letters, 1986, 27, 743-746.	0.7	124
3	Formation of aspartimide peptides in Asp-Gly sequences. Tetrahedron Letters, 1989, 30, 497-500.	0.7	115
4	Application of gel-phase 13c-nmr to monitor solid phase peptide synthesis. Tetrahedron, 1984, 40, 4141-4152.	1.0	104
5	Genetic reductionist approach for dissecting individual roles of GGDEF proteins within the c-di-GMP signaling network in <i>Salmonella</i> . Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 7997-8002.	3.3	86
6	Multivariate curve resolution: a powerful tool for the analysis of conformational transitions in nucleic acids. Nucleic Acids Research, 2002, 30, 92e-92.	6.5	66
7	Use of Synthetic Analogs for a Study on the Structure-Activity Relationship of Apamin. FEBS Journal, 1978, 82, 293-299.	0.2	59
8	Diels-Alder cycloadditions in water for the straightforward preparation of peptide-oligonucleotide conjugates. Nucleic Acids Research, 2006, 34, e24-e24.	6.5	59
9	Nucleic Acid Triple Helices: Stability Effects of Nucleobase Modifications. Current Organic Chemistry, 2002, 6, 1333-1368.	0.9	59
10	Convergent solid phase peptide synthesis. II. Synthesis of the 1–6 apamin protected segment on a NBB-resin. Synthesis of apamin. Tetrahedron, 1982, 38, 1193-1201.	1.0	56
11	A Straightforward Solid-Phase Synthesis of Cyclic Oligodeoxyribonucleotides. Angewandte Chemie International Edition in English, 1997, 36, 1506-1508.	4.4	56
12	Towards a Better Understanding of the Cisplatin Mode of Action. Chemistry - A European Journal, 2001, 7, 808-815.	1.7	55
13	Binding Affinities of Oligonucleotides and PNAs Containing Phenoxazine and G-Clamp Cytosine Analogues Are Unusually Sequence-Dependent. Organic Letters, 2007, 9, 4503-4506.	2.4	54
14	A Simple Cytosine to Gâ€Clamp Nucleobase Substitution Enables Chiral γâ€PNAs to Invade Mixedâ€Sequence Doubleâ€Helical Bâ€form DNA. ChemBioChem, 2008, 9, 2388-2391.	1.3	54
15	Comparative study of supports for solid-phase coupling of protected-peptide segments. Journal of Organic Chemistry, 1989, 54, 360-366.	1.7	51
16	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.	3.3	47
17	Convergent solid phase peptide synthesis. I. Synthesis of protected segments on a hydroxymethylphenyloxymethyl resin using the base labile FMOC α-amine protection. Model synthesis of LHRH Tetrahedron, 1982, 38, 1183-1192.	1.0	45
18	Maleimide-Dimethylfuran <i>exo</i> Adducts: Effective Maleimide Protection in the Synthesis of Oligonucleotide Conjugates. Organic Letters, 2011, 13, 4364-4367.	2.4	44

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19	Synthesis of Amino- and Guanidino-G-Clamp PNA Monomers. Organic Letters, 2002, 4, 4073-4075.	2.4	43
20	Diketopiperazine formation in acetamido-and nitrobenzamido-bridgedpolymeric supports Tetrahedron Letters, 1981, 22, 3779-3782.	0.7	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 Tetrahedron Letters, 1991, 32, 1511-1514.	0.7	42
22	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.	6.6	42
23	Tightening the Belt on Polymerases: Evaluating the Physical Constraints on Enzyme Substrate Size. Angewandte Chemie - International Edition, 1999, 38, 3654-3657.	7.2	39
24	Towards nucleopeptides containing any trifunctional amino acid. Tetrahedron, 1999, 55, 13251-13264.	1.0	38
25	Stepwise Solid-Phase Synthesis of the Nucleopeptide Phac-Phe-Val-Ser(p3'ACT)-Gly-OH. Journal of Organic Chemistry, 1994, 59, 2482-2486.	1.7	37
26	Synthesis and Enzymatic Stability of Phosphodiester-Linked Peptideâ 'Oligonucleotide Hybrids. Bioconjugate Chemistry, 1997, 8, 785-788.	1.8	37
27	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.	1.0	36
28	Anchoring of Fmocâ€amino acids to hydroxymethyl resins. International Journal of Peptide and Protein Research, 1989, 33, 386-390.	0.1	35
29	Uteroglobin-like peptide cavities I. Synthesis of antiparallel and parallel dimers of bis-cysteine peptides. Tetrahedron Letters, 1988, 29, 3845-3848.	0.7	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. Nucleic Acids Research, 1995, 23, 4151-4161.	6.5	33
31	A minimal i-motif stabilized by minor groove G:T:G:T tetrads. Nucleic Acids Research, 2012, 40, 11737-11747.	6.5	33
32	Synthesis and characterization of oligodeoxynucleotides containing the mutagenic base analogue 4-O-ethylthymine. Nucleic Acids Research, 1990, 18, 5729-5734.	6.5	30
33	Criteria for the economic large scale solid-phase synthesis of oligonucleotides. Tetrahedron, 1994, 50, 2617-2622.	1.0	30
34	Four-Stranded DNA Structure Stabilized by a Novel G:C:A:T Tetrad. Journal of the American Chemical Society, 2003, 125, 5654-5662.	6.6	29
35	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.	6.6	29
36	Cyclic Phosphate-Linked Oligosaccharides:Â Synthesis and Conformational Behavior of Novel Cyclic Oligosaccharide Analogues. Journal of Organic Chemistry, 2006, 71, 3395-3408.	1.7	28

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37	Towards nucleopeptides containing any trifunctional amino acid (II). Tetrahedron, 2002, 58, 6965-6978.	1.0	27
38	Self-association of short DNA loops through minor groove C:G:G:C tetrads. Nucleic Acids Research, 2009, 37, 3264-3275.	6.5	27
39	Convergent solid phase peptide synthesis-III. Tetrahedron, 1986, 42, 691-698.	1.0	25
40	Gel-phase 31P-NMR. A new analytical tool to evaluate solid phase oligonucleoside synthesis Bioorganic and Medicinal Chemistry Letters, 1993, 3, 2793-2796.	1.0	25
41	A comparison of histidine protecting groups in the synthesis of peptide-oligonucleotide conjugates. Tetrahedron Letters, 1998, 39, 4115-4118.	0.7	25
42	Synthesis of modified oligonucleotides containing 4-guanidino-2-pyrimidinone nucleobases. Tetrahedron, 2001, 57, 179-194.	1.0	25
43	Local RNA flexibility perturbation of the IRES element induced by a novel ligand inhibits viral RNA translation. RNA Biology, 2015, 12, 555-568.	1.5	25
44	Polysytyrene-supported synthesis by the phosphite triester approach: An alternative for the large scale synthesis of small oligodeoxyribonucleotides Tetrahedron Letters, 1990, 31, 6231-6234.	0.7	24
45	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.	1.7	24
46	(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
47	Convergent solid phase peptide synthesis. VII. Good yields in the coupling of protected segments on a solid support. Tetrahedron, 1989, 45, 4637-4648.	1.0	21
48	Alternative Procedures for the Synthesis of Methionine-Containing Peptideâ^'Oligonucleotide Hybrids. European Journal of Organic Chemistry, 2000, 2000, 2495-2500.	1.2	21
49	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.	1.1	21
50	Exploiting Protected Maleimides to Modify Oligonucleotides, Peptides and Peptide Nucleic Acids. Molecules, 2015, 20, 6389-6408.	1.7	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 Tetrahedron, 1987, 43, 5961-5971.	1.0	20
52	Solid phase synthesis of a model nucleopeptide with a phosphodiester bond between the $5\hat{a} \in \mathbb{Z}^2$ end of a trinucleotide and a serine residue. Tetrahedron Letters, 1991, 32, 4389-4392.	0.7	20
53	Oligonucleotidecyclization: the thiol-maleimide reaction revisited. Chemical Communications, 2013, 49, 309-311.	2.2	20
54	Orthogonal Protection of Peptides and Peptoids for Cyclization by the Thiol–Ene Reaction and Conjugation. Journal of Organic Chemistry, 2014, 79, 2843-2853.	1.7	20

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55	Selective Platination of Modified Oligonucleotides and Duplex Cross-Links. Angewandte Chemie - International Edition, 2006, 45, 8194-8197.	7.2	18
56	Conjugation Reactions Involving Maleimides and Phosphorothioate Oligonucleotides. Bioconjugate Chemistry, 2012, 23, 300-307.	1.8	18
57	Protected Maleimide Building Blocks for the Decoration of Peptides, Peptoids, and Peptide Nucleic Acids. Bioconjugate Chemistry, 2013, 24, 832-839.	1.8	18
58	Convergent solid phase peptide synthesis IV Tetrahedron, 1986, 42, 6703-6711.	1.0	17
59	Use of polar picolyl protecting groups in peptide synthesis. Journal of Organic Chemistry, 1988, 53, 5386-5389.	1.7	17
60	Antibodies against Drosophila potassium channels identify membrane proteins across species. Molecular Brain Research, 1989, 5, 171-176.	2.5	16
61	A New Method for the Preparation of Modified Oligonucleotides. Organic Letters, 2002, 4, 1827-1830.	2.4	16
62	Directing Quadruplex-Stabilizing Drugs to the Telomere:  Synthesis and Properties of Acridineâ^'Oligonucleotide Conjugates. Bioconjugate Chemistry, 2006, 17, 1351-1359.	1.8	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 androctonus australis hector Tetrahedron, 1987, 43, 5973-5980.	1.0	15
64	Peptide-Oligonucleotide Hybrids with N-Acylphosphoramidate Linkages. Journal of Organic Chemistry, 1995, 60, 4856-4861.	1.7	15
65	Making cyclic RNAs easily available. Chemical Communications, 1999, , 1593-1594.	2.2	15
66	Structures and Stabilities of Small DNA Dumbbells with Watson-Crick and Hoogsteen Base Pairs. ChemBioChem, 2003, 4, 623-632.	1.3	14
67	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.	2.9	14
68	Straightforward Synthesis of Cyclic and Bicyclic Peptides. Organic Letters, 2013, 15, 2038-2041.	2.4	14
69	Fast atom bombardment mass spectrometry of protected peptide segments. Biomedical & Environmental Mass Spectrometry, 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 Tetrahedron, 1991, 47, 8917-8930.	1.0	13
71	An acid-labile linker for solid-phase oligoribonucleotide synthesis using Fmoc group for 5′-hydroxyl protection. Tetrahedron Letters, 1993, 34, 2195-2198.	0.7	13
72	Stepwise solid-phase synthesis of nucleopeptide Phac-Ser(p5′CATCAT)-Gly-Asp-OH from adenovirus-2 nucleoprotein. Tetrahedron Letters, 1994, 35, 4449-4452.	0.7	13

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73	Easy introduction of maleimides at different positions of oligonucleotide chains for conjugation purposes. Organic and Biomolecular Chemistry, 2012, 10, 8478.	1.5	13
74	α-(Phenylacetamido)benzylpolystyrene (pab-resin). Tetrahedron, 1981, 37, 2007-2010.	1.0	12
75	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
76	The relevance of imidazole tautomerism for the hormonal activity of histidine-containing peptides. Bioorganic Chemistry, 1986, 14, 405-416.	2.0	12
77	Eine kurze Festphasensynthese für cyclische Oligodesoxyribonucleotide. Angewandte Chemie, 1997, 109, 1564-1567.	1.6	12
78	NMR Structure of Two Cyclic Oligonucleotides. A Monomerâ <sup>^</sup> Dimer Equilibrium between Dumbbell and Quadruplex Structures. Journal of the American Chemical Society, 1998, 120, 2176-2177.	6.6	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). Synthesis, 1999, 1999, 43-45.	1.2	12
80	Stabilization of DNA duplexes by covalently-linked peptides. Tetrahedron, 2004, 60, 5461-5469.	1.0	12
81	A new approach to the solid-phase peptide synthesis of peptide alkyl-amides and esters. Tetrahedron Letters, 1992, 33, 2183-2186.	0.7	11
82	Self-association of cyclic oligonucleotides through G:T:G:T minor groove tetrads. Bioorganic and Medicinal Chemistry, 2010, 18, 4067-4073.	1.4	11
83	Putative Oneâ€Pot Prebiotic Polypeptides with Ribonucleolytic Activity. Chemistry - A European Journal, 2010, 16, 5314-5323.	1.7	11
84	Solid phase synthesis of tyrosine-containing histone fragments. Tetrahedron, 1983, 39, 3185-3188.	1.0	10
85	RNA recognition and self-association of CPEB4 is mediated by its tandem RRM domains. Nucleic Acids Research, 2014, 42, 10185-10195.	6.5	10
86	On-Resin Conjugation of Diene–Polyamides and Maleimides via Diels–Alder Cycloaddition. Journal of Organic Chemistry, 2015, 80, 6093-6101.	1.7	10
87	Selective Derivatization of $\langle i \rangle N \langle i \rangle$ -Terminal Cysteines Using Cyclopentenediones. Organic Letters, 2016, 18, 4836-4839.	2.4	10
88	Inverse Electron-Demand Diels–Alder Bioconjugation Reactions Using 7-Oxanorbornenes as Dienophiles. Journal of Organic Chemistry, 2020, 85, 6593-6604.	1.7	10
89	Determination of the preferred tautomeric form of 4â€nitrohistidine. Journal of Heterocyclic Chemistry, 1986, 23, 921-924.	1.4	9
90	Phosphitylation of Primary Carboxamides. Synthesis of Peptide-Oligonucleotide Conjugates with Acylphosphoramidate Linkages. Nucleosides, Nucleotides and Nucleic Acids, 1995, 14, 825-828.	0.4	9

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91	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.	1.1	9
92	Study of the interaction between a histidine-deoxyguanosine hybrid and cisplatin. Journal of Biological Inorganic Chemistry, 1999, 4, 701-707.	1.1	8
93	Reversible protection of lysine to facilitate the purification of protected peptide segments. Tetrahedron Letters, 1992, 33, 397-400.	0.7	7
94	Diels-Alder cycloadditions in water for the straightforward preparation of peptide-oligonucleotide conjugates. Nucleic Acids Research, 2006, 34, 1668-1668.	6.5	7
95	Reversed-phase high-performance liquid chromatography of protected peptide segments. Journal of Chromatography A, 1987, 409, 281-290.	1.8	6
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	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
98	The Mechanism of Cleavage Under Basic Conditions of Succinyl-Anchored Oligonucleotides. Nucleosides & Nucleotides, 1998, 17, 1177-1182.	0.5	6
99	Induced-Fit Recognition of DNA by Small Circular Oligonucleotides. Chemistry - A European Journal, 2006, 12, 4035-4042.	1.7	6
100	Guanineâ€Containing DNA Minorâ€Groove Binders. European Journal of Organic Chemistry, 2009, 2009, 1398-1406.	1.2	6
101	Homoserine derivatives for the preparation of base-stable nucleopeptide analogues. International Journal of Peptide Research and Therapeutics, 1997, 4, 147-155.	0.1	5
102	Synthesis and triple helix-forming ability of oligonucleotides with N,N-dimethylaminoethyl phosphoramidate linkages. Tetrahedron Letters, 1999, 40, 7131-7134.	0.7	5
103	Esterification of Maleamic Acids without Double Bond Isomerization. European Journal of Organic Chemistry, 2010, 2010, 2600-2606.	1.2	5
104	The effect of loop residues in four-stranded dimeric structures stabilized by minor groove tetrads. Organic and Biomolecular Chemistry, 2013, 11, 4804.	1.5	5
105	Stepwise Solid-Phase Synthesis of Serine-, Tyrosine- and Homoserine-nucleopeptides. Nucleosides & Nucleotides, 1997, 16, 1487-1488.	0.5	4
106	Structure and Stability of a Dimeric G-Quadruplex Formed by Cyclic Oligonucleotides. Journal of Nucleic Acids, 2010, 2010, 1-6.	0.8	4
107	A Solid-Phase Method for the Synthesis of Small to Medium-Sized Cyclic Oligonucleotides. Nucleosides & Nucleotides, 1997, 16, 1513-1514.	0.5	3
108	Progress in the Synthesis of Cyclic Deoxyribo- and Oligoribonucleotides. Nucleosides & Nucleotides, 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.	1.2	3
111	Stepwise Solidâ€Phase Synthesis of Nucleopeptides. Current Protocols in Nucleic Acid Chemistry, 2007, 31, Unit 4.22.	0.5	3
112	Preparation of an aspartic acidâ€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.	2.4	3
114	Retro-1-Oligonucleotide Conjugates. Synthesis and Biological Evaluation. Molecules, 2019, 24, 579.	1.7	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 4-0-Ethylthymidine. Nucleosides & Nucleotides, 1991, 10, 623-624.	0.5	2
117	Stepwise Solidâ€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.	0.4	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(⟨scp⟩i⟨/scp⟩)-catalyzed azide–alkyne cycloaddition. Organic and Biomolecular Chemistry, 2018, 16, 9185-9190.	1.5	0
122	Synthesis of serine-phosphitylated peptides and peptide-oligonucleotide conjugates., 1993,, 336-337.		0