

Suzanne Peyrottes

List of Publications by Year in descending order

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76
papers

1,320
citations

304743

22
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414414

32
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83
all docs

83
docs citations

83
times ranked

1701
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Trends in Nucleotide Synthesis. <i>Chemical Reviews</i> , 2016, 116, 7854-7897.	47.7	148
2	Characterization of a Gemcitabine-Resistant Murine Leukemic Cell Line. <i>Clinical Cancer Research</i> , 2004, 10, 5614-5621.	7.0	60
3	Specific Requirements for $\hat{V}^39\hat{V}^2$ T Cell Stimulation by a Natural Adenylated Phosphoantigen. <i>Journal of Immunology</i> , 2009, 183, 3848-3857.	0.8	57
4	F1-Adenosine Triphosphatase Displays Properties Characteristic of an Antigen Presentation Molecule for $\hat{V}^39\hat{V}^2$ T Cells. <i>Journal of Immunology</i> , 2010, 184, 6920-6928.	0.8	55
5	Reliability of Antimalarial Sensitivity Tests Depends on Drug Mechanisms of Action. <i>Journal of Clinical Microbiology</i> , 2010, 48, 1651-1660.	3.9	53
6	Disulfide Prodrugs of Albitiazolium (T3/SAR97276): Synthesis and Biological Activities. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 4619-4628.	6.4	51
7	Plasmodium Purine Metabolism and Its Inhibition by Nucleoside and Nucleotide Analogues. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 8365-8391.	6.4	38
8	The synthesis of peptide-oligonucleotide conjugates by a fragment coupling approach. <i>Tetrahedron</i> , 1998, 54, 12513-12522.	1.9	37
9	S-Acyl-2-thioethyl Aryl Phosphotriester Derivatives as Mononucleotide Prodrugs. <i>Journal of Medicinal Chemistry</i> , 2000, 43, 4570-4574.	6.4	37
10	Development of a sensitive and selective LC/MS/MS method for the simultaneous determination of intracellular 1-beta-d-arabinofuranosylcytosine triphosphate (araCTP), cytidine triphosphate (CTP) and deoxycytidine triphosphate (dCTP) in a human follicular lymphoma cell line. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009, 877, 1417-1425.	2.3	32
11	Identification and characterization of inhibitors of cytoplasmic 5 $\hat{\epsilon}^2$ -nucleotidase cN-II issued from virtual screening. <i>Biochemical Pharmacology</i> , 2013, 85, 497-506.	4.4	29
12	Special feature of mixed phosphotriester derivatives of cytarabine. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 6340-6347.	3.0	28
13	Ex-Chiral-Pool Synthesis of \hat{I}^2 -Hydroxyphosphonate Nucleoside Analogues. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 925-933.	2.4	26
14	Choline Analogues in Malaria Chemotherapy. <i>Current Pharmaceutical Design</i> , 2012, 18, 3454-66.	1.9	25
15	Identification of allosteric inhibitors of the ecto-5'-nucleotidase (CD73) targeting the dimer interface. <i>PLoS Computational Biology</i> , 2018, 14, e1005943.	3.2	25
16	Structural Insights into the Inhibition of Cytosolic 5 $\hat{\epsilon}^2$ -Nucleotidase II (cN-II) by Ribonucleoside 5 $\hat{\epsilon}^2$ -Monophosphate Analogues. <i>PLoS Computational Biology</i> , 2011, 7, e1002295.	3.2	24
17	CD73 inhibition by purine cytotoxic nucleoside analogue-based diphosphonates. <i>European Journal of Medicinal Chemistry</i> , 2018, 157, 1051-1055.	5.5	24
18	S-Acyl-2-Thioethyl Aryl Phosphotriester Derivatives of AZT: \hat{A} Synthesis, Antiviral Activity, and Stability Study. <i>Journal of Medicinal Chemistry</i> , 2003, 46, 782-793.	6.4	23

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19	Phenyl phosphotriester derivatives of AZT: Variations upon the SATE moiety. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 7321-7329.	3.0	23
20	Insights into the Soluble PEG-Supported Synthesis of Cytosine-Containing Nucleoside 5'-Mono-, Di-, and Triphosphates. <i>Journal of Organic Chemistry</i> , 2009, 74, 9165-9172.	3.2	23
21	Use of microwave irradiation for sugar and nucleoside phosphonates synthesis. <i>Tetrahedron Letters</i> , 2006, 47, 7719-7721.	1.4	22
22	A Chemical Proteomics Approach for the Search of Pharmacological Targets of the Antimalarial Clinical Candidate Albitiazolium in <i>Plasmodium falciparum</i> Using Photocrosslinking and Click Chemistry. <i>PLoS ONE</i> , 2014, 9, e113918.	2.5	22
23	Structure-activity relationships of 2-hydroxyphosphonate nucleoside analogues as cytosolic 5'-nucleotidase II potential inhibitors: Synthesis, <i>in vitro</i> evaluation and molecular modeling studies. <i>European Journal of Medicinal Chemistry</i> , 2014, 77, 18-37.	5.5	21
24	Determination of the enzymatic activity of cytosolic 5'-nucleotidase cN-II in cancer cells: development of a simple analytical method and related cell line models. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 5747-5758.	3.7	20
25	Biolabile constructs for pronucleotide design. <i>Journal of Organometallic Chemistry</i> , 2005, 690, 2614-2625.	1.8	18
26	Identification of Noncompetitive Inhibitors of Cytosolic 5'-Nucleotidase II Using a Fragment-Based Approach. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 9680-9696.	6.4	18
27	5',6'-Nucleoside Phosphonate Analogues Architecture: Synthesis and Comparative Evaluation towards Metabolic Enzymes. <i>ChemMedChem</i> , 2011, 6, 1094-1106.	3.2	17
28	New Bis-thiazolium Analogues as Potential Antimalarial Agents: Design, Synthesis, and Biological Evaluation. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 496-509.	6.4	17
29	Developing an efficient route to the synthesis of nucleoside 1-alkynylphosphonates. <i>Tetrahedron</i> , 2009, 65, 6039-6046.	1.9	16
30	2 T cell activation by strongly agonistic nucleotidic phosphoantigens. <i>Cellular and Molecular Life Sciences</i> , 2017, 74, 4353-4367.	5.4	16
31	2-Hydroxy- and 2-Aminophosphonate Acyclonucleosides as Potent Inhibitors of <i>Plasmodium falciparum</i> Growth. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 8069-8087.	6.4	16
32	Exploration of potential prodrug approach of the bis-thiazolium salts T3 and T4 for orally delivered antimalarials. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 3953-3956.	2.2	15
33	Synthesis of 2',3'-Dideoxynucleoside Phosphoesters Using H-Phosphonate Chemistry on Soluble Polymer Support. <i>Journal of Organic Chemistry</i> , 2011, 76, 997-1000.	3.2	15
34	An Alternative Pathway to Ribonucleoside 2-Hydroxyphosphonate Analogues and Related Prodrugs. <i>Organic Letters</i> , 2013, 15, 4778-4781.	4.6	15
35	Straightforward Ball-Milling Access to Dinucleoside 5',5'-Polyphosphates via Phosphorimidazolide Intermediates. <i>Chemistry - A European Journal</i> , 2019, 25, 2477-2481.	3.3	15
36	Dramatic effect of the anomeric configuration on the thermal stability of duplex formed between novel dodecathymidine phosphoramidate (PNH2) and complementary DNA and RNA strands. <i>Tetrahedron Letters</i> , 1996, 37, 5869-5872.	1.4	14

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37	Beta-hydroxyphosphonate ribonucleoside analogues derived from 4-substituted-1,2,3-triazoles as IMP/GMP mimics: synthesis and biological evaluation. <i>Beilstein Journal of Organic Chemistry</i> , 2016, 12, 1476-1486.	2.2	14
38	Probing the reactivity of H-phosphonate derivatives for the hydrophosphonylation of various alkenes and alkynes under free-radical conditions. <i>New Journal of Chemistry</i> , 2016, 40, 5318-5324.	2.8	14
39	Synthesis of Substituted 5'-Aminoadenosine Derivatives and Evaluation of Their Inhibitory Potential toward CD73. <i>ChemMedChem</i> , 2019, 14, 1431-1443.	3.2	14
40	4-Substituted-1,2,3-triazolo nucleotide analogues as CD73 inhibitors, their synthesis, in vitro screening, kinetic and in silico studies. <i>Bioorganic Chemistry</i> , 2021, 107, 104577.	4.1	13
41	Evidence that oxidative dephosphorylation by the nonheme Fe(II), Î±-ketoglutarate:UMP oxygenase occurs by stereospecific hydroxylation. <i>FEBS Letters</i> , 2017, 591, 468-478.	2.8	11
42	Quantification of 5'-monophosphate cytosine arabinoside (Ara-CMP) in cell extracts using liquid chromatography-electrospray mass spectrometry. <i>Analytica Chimica Acta</i> , 2006, 566, 178-184.	5.4	10
43	Synthesis of Pyrimidine-Containing Nucleoside 2'-Hydroxyphosphonate Analogues. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 3794-3802.	2.4	9
44	New Insight into the Mechanism of Accumulation and Intraerythrocytic Compartmentation of Albitiazolium, a New Type of Antimalarial. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 5519-5527.	3.2	9
45	Lead optimization and biological evaluation of fragment-based cN-II inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2019, 168, 28-44.	5.5	9
46	An Eco-Friendly and Efficient Photoinduced Coupling of Alkenes and Alkynes with H-Phosphinates and Other P(O)H Derivatives Under Free-Radical Conditions. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 3850-3855.	2.4	8
47	One-Pot Synthesis of Nucleotides and Conjugates in Aqueous Medium. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 241-245.	2.4	8
48	Synthesis of (R)- and (S)-2'-hydroxyphosphonate acyclonucleosides: structural analogues of Adefovir (PMEA). <i>Tetrahedron: Asymmetry</i> , 2011, 22, 1505-1511.	1.8	7
49	Aminobisphosphonates Synergize with Human Cytomegalovirus To Activate the Antiviral Activity of VÎ³9VÎ² Cells. <i>Journal of Immunology</i> , 2016, 196, 2219-2229.	0.8	7
50	Synthetic Strategies for Dinucleotides Synthesis. <i>Molecules</i> , 2019, 24, 4334.	3.8	7
51	2-(Substituted amino)-8-azachromones from 4,6-Diaryl-2-pyridones: A Synthetic Strategy toward Compounds of Broad Structural Diversity. <i>Journal of Organic Chemistry</i> , 2020, 85, 11778-11793.	3.2	7
52	Inclusion complexes of a nucleotide analogue with hydroxypropyl-beta-cyclodextrin. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2009, 63, 11-16.	1.6	6
53	Synthesis and Evaluation of Bis-Thiazolium Salts as Potential Antimalarial Drugs. <i>ChemMedChem</i> , 2010, 5, 1102-1109.	3.2	6
54	Synthesis and study of (R)- and (S)-2'-hydroxyphosphonate acyclonucleosides as structural analogues of (S)-HPMPC (cidofovir). <i>New Journal of Chemistry</i> , 2014, 38, 4736-4742.	2.8	6

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55	Synthesis of Aminomethylene-gem-bisphosphonates Containing an Aziridine Motif: Studies of the Reaction Scope and Insight into the Mechanism. <i>Journal of Organic Chemistry</i> , 2021, 86, 3107-3119.	3.2	6
56	Studies Towards the Synthesis of Peptide-Oligonucleotide Conjugates. <i>Nucleosides & Nucleotides</i> , 1999, 18, 1443-1448.	0.5	5
57	Determination and quantification of intracellular fludarabine triphosphate, cladribine triphosphate and clofarabine triphosphate by LC-MS/MS in human cancer cells. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1053, 101-110.	2.3	5
58	Improvement of the Synthesis of Sugar Phosphonates Using Microwave Irradiations. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2007, 26, 1513-1515.	1.1	4
59	Exploring synthetic pathways for nucleosidic derivatives of potent phosphoantigens. <i>New Journal of Chemistry</i> , 2016, 40, 6046-6052.	2.8	4
60	Water-Medium Synthesis of Nucleoside 5'-Polyphosphates. <i>Current Protocols in Nucleic Acid Chemistry</i> , 2017, 69, 13.16.1-13.16.11.	0.5	4
61	An original pronucleotide strategy for the simultaneous delivery of two bioactive drugs. <i>European Journal of Medicinal Chemistry</i> , 2021, 216, 113315.	5.5	4
62	Supported Synthesis of Adenosine Nucleotides and Derivatives on a Benzene-Centered Tripodal Soluble Support. <i>European Journal of Organic Chemistry</i> , 2022, 2022, .	2.4	3
63	Decomposition of 3-azido-3-deoxythymidine 5'-monophosphate (AZTMP) prodrugs in biological media studied by online solid-phase extraction coupled to liquid chromatography mass spectrometry. <i>Biomedical Chromatography</i> , 2009, 23, 1160-1168.	1.7	2
64	New insights for the preparation of cytidine containing nucleotides using a soluble ether-linked polyethylene glycol support. <i>New Journal of Chemistry</i> , 2018, 42, 16441-16445.	2.8	2
65	One-pot synthesis of nucleotides in water medium. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2019, 194, 335-336.	1.6	2
66	Green approaches for the synthesis of nucleotides, their conjugates and analogues. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2020, 195, 930-931.	1.6	2
67	Mononucleoside phosphorodithiolates as mononucleotide prodrugs. <i>European Journal of Medicinal Chemistry</i> , 2022, 227, 113914.	5.5	2
68	Synthesis and Studies of Potential Inhibitors of CD73 Based on a Triazole Scaffold. <i>European Journal of Organic Chemistry</i> , 2022, 2022, .	2.4	2
69	Synthesis and substrate properties towards HIV-1 reverse transcriptase of new diphosphate analogues of 9-[(2-phosphonomethoxy)ethyl]adenine. <i>Antiviral Chemistry and Chemotherapy</i> , 2018, 26, 204020661875763.	0.6	1
70	Derivatisation of 3-Methyl Pyrimidine Nucleosides. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 4007-4014.	2.4	1
71	Rapid synthesis of carbonucleoside phosphonate analogues as potential antiviral agents via a hydrophosphonylation reaction of ethynyl carbocyclic precursors. <i>New Journal of Chemistry</i> , 2018, 42, 974-979.	2.8	1
72	Synthesis and Biophysical Properties of Oligothymidylates Containing Alkoxyphosphoramidate Internucleoside Linkages. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 1995, 14, 1061-1064.	1.1	0

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73	Chemistry of bisSATE Mononucleotide Prodrugs. Current Protocols in Nucleic Acid Chemistry, 2007, 29, Unit 15.3.	0.5	0
74	Exploring Prodrug Approaches for Albitiazolium and its Analogues. Current Topics in Medicinal Chemistry, 2014, 14, 1653-1667.	2.1	0
75	Alternative synthetic approaches for nucleotides and derivatives. Phosphorus, Sulfur and Silicon and the Related Elements, 0, , 1-4.	1.6	0
76	Synthesis of <i>N</i> -methylene phosphonate aziridines: reaction scope and mechanistic insights. New Journal of Chemistry, 2022, 46, 6453-6460.	2.8	0