Suzanne Peyrottes

List of Publications by Year
in descending order

76	1,320	304743	414414
papers	citations	22 h-index	32 g-index

83	83	83	1701
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Supported Synthesis of Adenosine Nucleotides and Derivatives on a Benzeneâ€Centered Tripodal Soluble Support. European Journal of Organic Chemistry, 2022, 2022, .	2.4	3
2	Mononucleoside phosphorodithiolates as mononucleotide prodrugs. European Journal of Medicinal Chemistry, 2022, 227, 113914.	5.5	2
3	Synthesis and Studies of Potential Inhibitors of CD73 Based on a Triazole Scaffold. European Journal of Organic Chemistry, 2022, 2022, .	2.4	2
4	Synthesis of N-methylene phosphonate aziridines: reaction scope and mechanistic insights. New Journal of Chemistry, 2022, 46, 6453-6460.	2.8	0
5	4-Substituted-1,2,3-triazolo nucleotide analogues as CD73 inhibitors, their synthesis, in vitro screening, kinetic and in silico studies. Bioorganic Chemistry, 2021, 107, 104577.	4.1	13
6	An original pronucleotide strategy for the simultaneous delivery of two bioactive drugs. European Journal of Medicinal Chemistry, 2021, 216, 113315.	5.5	4
7	2â€™â€Derivatisation of 3â€™â€Câ€Methyl Pyrimidine Nucleosides. European Journal of Organic Chemistry, 2021, 2021, 4007-4014.	2.4	1
8	Synthesis of Aminomethylene-gem-bisphosphonates Containing an Aziridine Motif: Studies of the Reaction Scope and Insight into the Mechanism. Journal of Organic Chemistry, 2021, 86, 3107-3119.	3.2	6
9	Î²-Hydroxy- and Î²-Aminophosphonate Acyclonucleosides as Potent Inhibitors of Plasmodium falciparum Growth. Journal of Medicinal Chemistry, 2020, 63, 8069-8087.	6.4	16
10	2-(Substituted amino)-8-azachromones from 4,6-Diaryl-2-pyridones: A Synthetic Strategy toward Compounds of Broad Structural Diversity. Journal of Organic Chemistry, 2020, 85, 11778-11793.	3.2	7
11	Green approaches for the synthesis of nucleotides, their conjugates and analogues. Phosphorus, Sulfur and Silicon and the Related Elements, 2020, 195, 930-931.	1.6	2
12	Synthesis of Substituted 5â€²â€Aminoadenosine Derivatives and Evaluation of Their Inhibitory Potential toward CD73. ChemMedChem, 2019, 14, 1431-1443.	3.2	14
13	Plasmodium Purine Metabolism and Its Inhibition by Nucleoside and Nucleotide Analogues. Journal of Medicinal Chemistry, 2019, 62, 8365-8391.	6.4	38
14	Lead optimization and biological evaluation of fragment-based cN-II inhibitors. European Journal of Medicinal Chemistry, 2019, 168, 28-44.	5.5	9
15	Synthetic Strategies for Dinucleotides Synthesis. Molecules, 2019, 24, 4334.	3.8	7
16	Straightforward Ballâ€Milling Access to Dinucleoside 5â€²,5â€²â€Polyphosphates via Phosphorimidazolide Intermediates. Chemistry - A European Journal, 2019, 25, 2477-2481.	3.3	15
17	One-pot synthesis of nucleotides in water medium. Phosphorus, Sulfur and Silicon and the Related Elements, 2019, 194, 335-336.	1.6	2
18	Synthesis and substrate properties towards HIV-1 reverse transcriptase of new diphosphate analogues of 9-[(2-phosphonomethoxy)ethyl]adenine. Antiviral Chemistry and Chemotherapy, 2018, 26, 204020661875763.	0.6	1

#	Article	IF	Citations
19	New insights for the preparation of cytidine containing nucleotides using a soluble ether-linked polyethylene glycol support. New Journal of Chemistry, 2018, 42, 16441-16445.	2.8	2
20	CD73 inhibition by purine cytotoxic nucleoside analogue-based diphosphonates. European Journal of Medicinal Chemistry, 2018, 157, 1051-1055.	5.5	24
21	Identification of allosteric inhibitors of the ecto-5'-nucleotidase (CD73) targeting the dimer interface. PLoS Computational Biology, 2018, 14, e1005943.	3.2	25
22	Rapid synthesis of carbonucleoside phophonate analogues as potential antiviral agents via a hydrophosphonylation reaction of ethynyl carbocyclic precursors. New Journal of Chemistry, 2018, 42, 974-979.	2.8	1
23	Evidence that oxidative dephosphorylation by the nonheme Fe(<scp>II</scp>), Î±â€ketoglutarate:<scp>UMP</scp> oxygenase occurs by stereospecific hydroxylation. FEBS Letters, 2017, 591, 468-478.	2.8	11
24	Determination and quantification of intracellular fludarabine triphosphate, cladribine triphosphate and clofarabine triphosphate by LCâ€“MS/MS in human cancer cells. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2017, 1053, 101-110.	2.3	5
25	Waterâ€Medium Synthesis of Nucleoside 5â€²â€Polyphosphates. Current Protocols in Nucleic Acid Chemistry, 2017, 69, 13.16.1-13.16.11.	0.5	4
26	An Ecoâ€Friendly and Efficient Photoinduced Coupling of Alkenes and Alkynes with Hâ€Phosphinates and Other P(O)H Derivatives Under Freeâ€Radical Conditions. European Journal of Organic Chemistry, 2017, 2017, 3850-3855.	2.4	8
27	VÎ³9VÎ´2 T cell activation by strongly agonistic nucleotidic phosphoantigens. Cellular and Molecular Life Sciences, 2017, 74, 4353-4367.	5.4	16
28	Oneâ€Pot Synthesis of Nucleotides and Conjugates in Aqueous Medium. European Journal of Organic Chemistry, 2017, 2017, 241-245.	2.4	8
29	Beta-hydroxyphosphonate ribonucleoside analogues derived from 4-substituted-1,2,3-triazoles as IMP/GMP mimics: synthesis and biological evaluation. Beilstein Journal of Organic Chemistry, 2016, 12, 1476-1486.	2.2	14
30	Probing the reactivity of H-phosphonate derivatives for the hydrophosphonylation of various alkenes and alkynes under free-radical conditions. New Journal of Chemistry, 2016, 40, 5318-5324.	2.8	14
31	Exploring synthetic pathways for nucleosidic derivatives of potent phosphoantigens. New Journal of Chemistry, 2016, 40, 6046-6052.	2.8	4
32	Recent Trends in Nucleotide Synthesis. Chemical Reviews, 2016, 116, 7854-7897.	47.7	148
33	Aminobisphosphonates Synergize with Human Cytomegalovirus To Activate the Antiviral Activity of VÎ³9VÎ´2 Cells. Journal of Immunology, 2016, 196, 2219-2229.	0.8	7
34	Determination of the enzymatic activity of cytosolic 5â€²-nucleotidase cN-II in cancer cells: development of a simple analytical method and related cell line models. Analytical and Bioanalytical Chemistry, 2015, 407, 5747-5758.	3.7	20
35	Identification of Noncompetitive Inhibitors of Cytosolic 5â€²-Nucleotidase II Using a Fragment-Based Approach. Journal of Medicinal Chemistry, 2015, 58, 9680-9696.	6.4	18
36	A Chemical Proteomics Approach for the Search of Pharmacological Targets of the Antimalarial Clinical Candidate Albitiazolium in Plasmodium falciparum Using Photocrosslinking and Click Chemistry. PLoS ONE, 2014, 9, e113918.	2.5	22

#	Article	IF	Citations
37	Structureâ€“activity relationships of Î²-hydroxyphosphonate nucleoside analogues as cytosolic 5â€²-nucleotidase II potential inhibitors: Synthesis, inÂvitro evaluation and molecular modeling studies. European Journal of Medicinal Chemistry, 2014, 77, 18-37.	5.5	21
38	New Insight into the Mechanism of Accumulation and Intraerythrocytic Compartmentation of Albitiazolium, a New Type of Antimalarial. Antimicrobial Agents and Chemotherapy, 2014, 58, 5519-5527.	3.2	9
39	Synthesis and study of (R)- and (S)-Î²-hydroxyphosphonate acyclonucleosides as structural analogues of (S)-HPMPC (cidofovir). New Journal of Chemistry, 2014, 38, 4736-4742.	2.8	6
40	Exploring Prodrug Approaches for Albitiazolium and its Analogues. Current Topics in Medicinal Chemistry, 2014, 14, 1653-1667.	2.1	0
41	Identification and characterization of inhibitors of cytoplasmic 5â€²-nucleotidase cN-II issued from virtual screening. Biochemical Pharmacology, 2013, 85, 497-506.	4.4	29
42	An Alternative Pathway to Ribonucleoside Î²-Hydroxyphosphonate Analogues and Related Prodrugs. Organic Letters, 2013, 15, 4778-4781.	4.6	15
43	New Bis-thiazolium Analogues as Potential Antimalarial Agents: Design, Synthesis, and Biological Evaluation. Journal of Medicinal Chemistry, 2013, 56, 496-509.	6.4	17
44	Choline Analogues in Malaria Chemotherapy. Current Pharmaceutical Design, 2012, 18, 3454-66.	1.9	25
45	Disulfide Prodrugs of Albitiazolium (T3/SAR97276): Synthesis and Biological Activities. Journal of Medicinal Chemistry, 2012, 55, 4619-4628.	6.4	51
46	Synthesis of 2â€²,3â€²-Dideoxynucleoside Phosphoesters Using H-Phosphonate Chemistry on Soluble Polymer Support. Journal of Organic Chemistry, 2011, 76, 997-1000.	3.2	15
47	Synthesis of (R)- and (S)-Î²-hydroxyphosphonate acyclonucleosides: structural analogues of Adefovir (PMEA). Tetrahedron: Asymmetry, 2011, 22, 1505-1511.	1.8	7
48	Synthesis of Pyrimidineâ€Containing Nucleoside Î²â€(R/S)â€Hydroxyphosphonate Analogues. European Journal of Organic Chemistry, 2011, 2011, 3794-3802.	2.4	9
49	5â€²,6â€²â€Nucleoside Phosphonate Analogues Architecture: Synthesis and Comparative Evaluation towards Metabolic Enzymes. ChemMedChem, 2011, 6, 1094-1106.	3.2	17
50	Structural Insights into the Inhibition of Cytosolic 5â€²-Nucleotidase II (cN-II) by Ribonucleoside 5â€²-Monophosphate Analogues. PLoS Computational Biology, 2011, 7, e1002295.	3.2	24
51	Synthesis and Evaluation of Bisâ€Thiazolium Salts as Potential Antimalarial Drugs. ChemMedChem, 2010, 5, 1102-1109.	3.2	6
52	Exploration of potential prodrug approach of the bis-thiazolium salts T3 and T4 for orally delivered antimalarials. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 3953-3956.	2.2	15
53	F1-Adenosine Triphosphatase Displays Properties Characteristic of an Antigen Presentation Molecule for Vγ9Vδ2 T Cells. Journal of Immunology, 2010, 184, 6920-6928.	0.8	55
54	Reliability of Antimalarial Sensitivity Tests Depends on Drug Mechanisms of Action. Journal of Clinical Microbiology, 2010, 48, 1651-1660.	3.9	53

#	Article	IF	Citations
55	Specific Requirements for VÎ³9VÎ´2 T Cell Stimulation by a Natural Adenylated Phosphoantigen. Journal of Immunology, 2009, 183, 3848-3857.	0.8	57
56	Decomposition of 3â€²â€azidoâ€2â€²,3â€²â€dideoxythymidine 5â€²â€monophosphate (AZTMP) prodrugs in biological media studied by onâ€line solidâ€phase extraction coupled to liquid chromatography mass spectrometry. Biomedical Chromatography, 2009, 23, 1160-1168.	1.7	2
57	Inclusion complexes of a nucleotide analogue with hydroxypropyl-beta-cyclodextrin. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2009, 63, 11-16.	1.6	6
58	Developing an efficient route to the synthesis of nucleoside 1-alkynylphosphonates. Tetrahedron, 2009, 65, 6039-6046.	1.9	16
59	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. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2009, 877, 1417-1425.	2.3	32
60	Special feature of mixed phosphotriester derivatives of cytarabine. Bioorganic and Medicinal Chemistry, 2009, 17, 6340-6347.	3.0	28
61	Insights into the Soluble PEG-Supported Synthesis of Cytosine-Containing Nucleoside 5â€²-Mono-, Di-, and Triphosphates. Journal of Organic Chemistry, 2009, 74, 9165-9172.	3.2	23
62	Phenyl phosphotriester derivatives of AZT: Variations upon the SATE moiety. Bioorganic and Medicinal Chemistry, 2008, 16, 7321-7329.	3.0	23
63	Improvement of the Synthesis of Sugar Phosphonates Using Microwave Irradiations. Nucleosides, Nucleotides and Nucleic Acids, 2007, 26, 1513-1515.	1.1	4
64	Chemistry of bisSATE Mononucleotide Prodrugs. Current Protocols in Nucleic Acid Chemistry, 2007, 29, Unit 15.3.	0.5	0
65	Ex-Chiral-Pool Synthesis of Î²-Hydroxyphosphonate Nucleoside Analogues. European Journal of Organic Chemistry, 2007, 2007, 925-933.	2.4	26
66	Quantification of 5â€²-monophosphate cytosine arabinoside (Ara-CMP) in cell extracts using liquid chromatographyâ€“electrospray mass spectrometry. Analytica Chimica Acta, 2006, 566, 178-184.	5.4	10
67	Use of microwave irradiation for sugar and nucleoside phosphonates synthesis. Tetrahedron Letters, 2006, 47, 7719-7721.	1.4	22
68	Biolabile constructs for pronucleotide design. Journal of Organometallic Chemistry, 2005, 690, 2614-2625.	1.8	18
69	Characterization of a Gemcitabine-Resistant Murine Leukemic Cell Line. Clinical Cancer Research, 2004, 10, 5614-5621.	7.0	60
70	S-Acyl-2-Thioethyl Aryl Phosphotriester Derivatives of AZT:Â Synthesis, Antiviral Activity, and Stability Study. Journal of Medicinal Chemistry, 2003, 46, 782-793.	6.4	23
71	S-Acyl-2-thioethyl Aryl Phosphotriester Derivatives as Mononucleotide Prodrugs. Journal of Medicinal Chemistry, 2000, 43, 4570-4574.	6.4	37
72	Studies Towards the Synthesis of Peptide-Oligonucleotide Conjugates. Nucleosides & Nucleotides, 1999, 18, 1443-1448.	0.5	5

#	Article	IF	Citations
73	The synthesis of peptide-oligonucleotide conjugates by a fragment coupling approach. Tetrahedron, 1998, 54, 12513-12522.	1.9	37
74	Dramatic effect of the anomeric configuration on the thermal stability of duplex formed between novel dodecathymidine phosphoramidate (PNH2) and complementary DNA and RNA strands. Tetrahedron Letters, 1996, 37, 5869-5872.	1.4	14
75	Synthesis and Biophysical Properties of Oligothymidylates Containing Alkoxyphosphoramidate Internucleoside Linkages. Nucleosides, Nucleotides and Nucleic Acids, 1995, 14, 1061-1064.	1.1	0
76	Alternative synthetic approaches for nucleotides and derivatives. Phosphorus, Sulfur and Silicon and the Related Elements, 0, , 1-4.	1.6	0