

Laurent Boiteau

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4719337/publications.pdf>

Version: 2024-02-01

40
papers

868
citations

567281

15
h-index

526287

27
g-index

43
all docs

43
docs citations

43
times ranked

793
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel Synthesis of Substituted 2-Trifluoromethyl and 2-Perfluoroalkyl N-Arylpyridinium Compoundsâ€”Mechanistic Insights. <i>Molecules</i> , 2019, 24, 2328.	3.8	3
2	The Prebiotic Câ€”Terminal Elongation of Peptides Can Be Initiated by <i>N</i> -Carbamoyl Amino Acids. <i>Chemistry - A European Journal</i> , 2017, 23, 7418-7421.	3.3	6
3	5(4H)-Oxazolones as Effective Aminoacylation Reagents for the 3â€²-Terminus of RNA. <i>Synlett</i> , 2016, 28, 73-77.	1.8	6
4	The Activation of Free Dipeptides Promoted by Strong Activating Agents in Water Does not Yield Diketopiperazines. <i>Origins of Life and Evolution of Biospheres</i> , 2016, 46, 19-30.	1.9	12
5	Amino Acid N-Carboxy Anhydride. , 2015, , 78-80.		0
6	Systems chemistry of Î±-amino acids and peptides. <i>BIO Web of Conferences</i> , 2014, 2, 04001.	0.2	1
7	Diastereoselectivity in prebiotically relevant 5(4H)-oxazolone-mediated peptide couplings. <i>Chemical Communications</i> , 2014, 50, 3100.	4.1	18
8	Amino Acid N-Carboxy Anhydride. , 2014, , 1-3.		0
9	5(4 <i>H</i>)-Oxazolones as Intermediates in the Carbodiimide- and Cyanamide-Promoted Peptide Activations in Aqueous Solution. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 611-614.	13.8	36
10	Functionalisation of free amino groups of lysine dendrigraft (DGL) polymers. <i>Tetrahedron Letters</i> , 2012, 53, 2976-2979.	1.4	15
11	Activation of carboxyl group with cyanate: peptide bond formation from dicarboxylic acids. <i>Amino Acids</i> , 2012, 42, 2331-2341.	2.7	11
12	Energy Sources, Self-organization, and the Origin of Life. <i>Origins of Life and Evolution of Biospheres</i> , 2011, 41, 23-33.	1.9	21
13	Energy flows, metabolism and translation. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2011, 366, 2949-2958.	4.0	35
14	An Expedient Multigram-Scale Synthesis of Lysine Dendrigraft (DGL) Polymers by Aqueous <i>N</i> -Carboxyanhydride Polycondensation. <i>Chemistry - A European Journal</i> , 2010, 16, 2309-2316.	3.3	62
15	Process improvement in amino acid N-carboxyanhydride synthesis by N-carbamoyl amino acid nitrosation. <i>Amino Acids</i> , 2009, 36, 341-347.	2.7	9
16	Regioselective Hydration and Deprotection of Chiral, Dissymmetric Iminodinitriles in the Scope of an Asymmetric Strecker Strategy. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 662-668.	2.4	11
17	Investigation of <i>N</i> -carbamoylamino acid nitrosation by {NO+O ₂ } in the solid-gas phase. Effects of NO _x speciation and kinetic evidence for a multiple-stage process. <i>Journal of Physical Organic Chemistry</i> , 2007, 20, 271-284.	1.9	4
18	Prebiotic Chemistry â€” Biochemistry â€” Emergence of Life (4.4-2 Ga). , 2006, , 153-203.		1

#	ARTICLE	IF	CITATIONS
19	The Peptide Formation Mediated by Cyanate Revisited. N-Carboxyanhydrides as Accessible Intermediates in the Decomposition of N-Carbamoylamino Acids. <i>Journal of the American Chemical Society</i> , 2006, 128, 7412-7413.	13.7	56
20	2. Dating Methods and Corresponding Chronometers in Astrobiology. <i>Earth, Moon and Planets</i> , 2006, 98, 11-38.	0.6	0
21	5. Prebiotic Chemistry " Biochemistry " Emergence of Life (4.4 " 2 Ga). <i>Earth, Moon and Planets</i> , 2006, 98, 153-203.	0.6	14
22	Peptide Emergence, Evolution and Selection on the Primitive Earth. <i>Advances in Astrobiology and Biogeophysics</i> , 2005, , 517-545.	0.6	3
23	Peptide Emergence, Evolution and Selection on the Primitive Earth. <i>Advances in Astrobiology and Biogeophysics</i> , 2005, , 547-569.	0.6	5
24	Dynamic Co-evolution of Peptides and Chemical Energetics, a Gateway to the Emergence of Homochirality and the Catalytic Activity of Peptides. <i>Origins of Life and Evolution of Biospheres</i> , 2004, 34, 35-55.	1.9	33
25	Molecular Origins of Life: Homochirality as a Consequence of the Dynamic Co-Emergence and Co-Evolution of Peptides and Chemical Energetics. , 2004, , 49-64.		0
26	Synthesis of a Diblock Copolymer with Pendent Luminescent and Charge Transport Units through Nitroxide-Mediated Free Radical Polymerization. <i>Macromolecules</i> , 2002, 35, 1543-1548.	4.8	26
27	N-Carbamoyl Derivatives and Their Nitrosation by Gaseous NO _x " A New, Promising Tool in Stepwise Peptide Synthesis. <i>European Journal of Organic Chemistry</i> , 2002, 2002, 1026-1032.	2.4	10
28	Prebiotic synthesis of sequential peptides on the Hadean beach by a molecular engine working with nitrogen oxides as energy sources. <i>Polymer International</i> , 2002, 51, 661-665.	3.1	66
29	From prebiotic macromolecules to synthetic polypeptides: a new, efficient synthesis of $\hat{\pm}$ -amino acid N-carboxyanhydrides (NCAs). <i>Polymer International</i> , 2002, 51, 1037-1040.	3.1	7
30	Key parameters for carbamate stability in dilute aqueous "organic solution. <i>Journal of Environmental Management</i> , 2001, 6, 67-80.	1.7	8
31	A pH-dependent cyanate reactivity model: application to preparative N-carbamoylation of amino acids. <i>Perkin Transactions II RSC</i> , 2001, , 1247-1254.	1.1	38
32	Solid phase decarbamoylation of monoalkylureas and N-carbamoylpeptides using gaseous NO _x : A new easy deprotection reaction with minimum waste. <i>Tetrahedron Letters</i> , 1999, 40, 3355-3358.	1.4	16
33	N-Carbamoyl Amino Acid Solid " Gas Nitrosation by NO/NO _x : A New Route to Oligopeptides via $\hat{\pm}$ -Amino Acid N-Carboxyanhydride. Prebiotic Implications. <i>Journal of Molecular Evolution</i> , 1999, 48, 638-645.	1.8	41
34	Synthetic routes to $\hat{2}$ -lactams. Some unexpected hydrogen atom transfer reactions. <i>Tetrahedron</i> , 1998, 54, 2087-2098.	1.9	24
35	A Short Synthesis of ($\hat{\pm}$)-Matrine. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 1128-1131.	13.8	62
36	Electronic and Geometrical Structures of Dialuminumoxane, Diboroxane, and Their Sulfur Analogues: Ab Initio Study of H ₂ X-Y-XH ₂ (X = Al, B; Y = O, S) Compounds. <i>Chemistry - A European Journal</i> , 1997, 3, 1860-1865.	3.3	9

#	ARTICLE	IF	CITATIONS
37	A new radical based synthesis of lactams and indolones from dithiocarbonates (xanthates). Tetrahedron Letters, 1994, 35, 1719-1722.	1.4	74
38	From the Prebiotic Synthesis of α -Amino Acids Towards a Primitive Translation Apparatus for the Synthesis of Peptides. , 0, , 69-122.		114
39	Energetic constraints on prebiotic pathways: application to the emergence of translation. , 0, , 247-258.		4
40	Diastereoselective Synthesis of Perfluoroalkylmethyl-Substituted 1,2,3,4-Tetrahydroquinolines Derivatives through 1,3-Bis(acetoxy) Synthons. European Journal of Organic Chemistry, 0, , .	2.4	0