

Florine Cavelier

List of Publications by Year in descending order

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all docs

106
docs citations

106
times ranked

1910
citing authors

#	ARTICLE	IF	CITATIONS
1	Fluorescent Pâ€Hydroxyphosphole for Peptide Labeling through Pâ€N Bond Formation. Chemistry - A European Journal, 2022, 28, .	3.3	5
2	Spotlight on release mechanisms of volatile thiols in beverages. Food Chemistry, 2021, 339, 127628.	8.2	30
3	Metabolically stable neurotensin analogs exert potent and long-acting analgesia without hypothermia. Behavioural Brain Research, 2021, 405, 113189.	2.2	6
4	Synthesis and Biological Activities of Cyclodepsipeptides of Aurilide Family from Marine Origin. Marine Drugs, 2021, 19, 55.	4.6	6
5	Silicon-Containing Neurotensin Analogues as Radiopharmaceuticals for NTS1-Positive Tumors Imaging. Bioconjugate Chemistry, 2020, 31, 2339-2349.	3.6	12
6	Optimized Opioid-Neurotensin Multitarget Peptides: From Design to Structureâ€Activity Relationship Studies. Journal of Medicinal Chemistry, 2020, 63, 12929-12941.	6.4	13
7	Synthesis of Two Epimers of Pseudopaline. European Journal of Organic Chemistry, 2020, 2020, 3975-3980.	2.4	1
8	Pain relief devoid of opioid side effects following central action of a silylated neurotensin analog. European Journal of Pharmacology, 2020, 882, 173174.	3.5	8
9	Insightful Backbone Modifications Preventing Proteolytic Degradation of Neurotensin Analogs Improve NTS1-Induced Protective Hypothermia. Frontiers in Chemistry, 2020, 8, 406.	3.6	12
10	Data set describing the in vitro biological activity of JMV2009, a novel silylated neurotensin(8â€13) analog. Data in Brief, 2020, 31, 105884.	1.0	2
11	Phosphorus-containing amino acids with a Pâ€C bond in the side chain or a Pâ€O, Pâ€S or Pâ€N bond: from synthesis to applications. RSC Advances, 2020, 10, 6678-6724.	3.6	17
12	Neurotensin Analogues Containing Cyclic Surrogates of Tyrosine at Position 11 Improve NTS2 Selectivity Leading to Analgesia without Hypotension and Hypothermia. ACS Chemical Neuroscience, 2019, 10, 4535-4544.	3.5	18
13	Control by Metals of Staphylopine Dehydrogenase Activity during Metallophore Biosynthesis. Journal of the American Chemical Society, 2019, 141, 5555-5562.	13.7	17
14	Silole Amino Acids with Aggregationâ€Induced Emission Features Synthesized by Hydrosilylation. European Journal of Organic Chemistry, 2019, 2019, 2275-2281.	2.4	7
15	Simple rules govern the diversity of bacterial nicotianamine-like metallophores. Biochemical Journal, 2019, 476, 2221-2233.	3.7	14
16	Phospholyl(borane) Amino Acids and Peptides: Stereoselective Synthesis and Fluorescent Properties with Large Stokes Shift. Journal of the American Chemical Society, 2018, 140, 1028-1034.	13.7	28
17	Revisiting the evaluation strategy of varietal thiol biogenesis. Food Chemistry, 2018, 268, 126-133.	8.2	24
18	Use of Molecular Modeling to Design Selective NTS2 Neurotensin Analogues. Journal of Medicinal Chemistry, 2017, 60, 3303-3313.	6.4	19

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19	First identification and quantification of S-3-(hexan-1-ol)- β -glutamyl-cysteine in grape must as a potential thiol precursor, using UPLC-MS/MS analysis and stable isotope dilution assay. <i>Food Chemistry</i> , 2017, 237, 877-886.	8.2	30
20	Hydrophobic β , γ -Disubstituted Disilylated TESDpg Induces Incipient 3 ₁₀ -Helix in Short Tripeptide Sequence. <i>Organic Letters</i> , 2017, 19, 2937-2940.	4.6	13
21	Neurotensin and Its Receptors β , 2017, , .		6
22	Innovative analysis of 3-mercaptohexan-1-ol, 3-mercaptohexylacetate and their corresponding disulfides in wine by stable isotope dilution assay and nano-liquid chromatography tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2016, 1468, 154-163.	3.7	26
23	Silicon-Containing Amino Acids: Synthetic Aspects, Conformational Studies, and Applications to Bioactive Peptides. <i>Chemical Reviews</i> , 2016, 116, 11654-11684.	47.7	242
24	Prediction of p <i>K</i> _a Using DFT: the Nicotianamine Polyacid Example. <i>Journal of Chemical Theory and Computation</i> , 2016, 12, 5493-5500.	5.3	9
25	Stereoselective Synthesis of β -(5-Arylthiazolyl) β -Amino Acids and Use in Neurotensin Analogues. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 1017-1024.	2.4	13
26	Expedient Synthesis of Fmoc-(S)- β -Fluoroisoleucine and Late-Stage Fluorination of Peptides. <i>Synlett</i> , 2016, 27, 1403-1407.	1.8	5
27	Silaproline, a Silicon-Containing Proline Surrogate. <i>Topics in Heterocyclic Chemistry</i> , 2015, , 27-50.	0.2	5
28	Stereoselective synthesis of unsaturated β -amino acids. <i>Amino Acids</i> , 2015, 47, 1107-1115.	2.7	25
29	Access to β , γ -Disubstituted Disilylated Amino Acids and Their Use in Solid-Phase Peptide Synthesis. <i>Organic Letters</i> , 2015, 17, 4498-4501.	4.6	11
30	Synthesis and Characterization in Vitro and in Vivo of (<i>S</i>)-(Trimethylsilyl)alanine Containing Neurotensin Analogues. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 7785-7795.	6.4	30
31	Silaproline Helical Mimetics Selectively Form an All- <i>trans</i> PPII Helix. <i>Chemistry - A European Journal</i> , 2014, 20, 14240-14244.	3.3	29
32	Analysis of ochratoxin A in grapes, musts and wines by LC-MS/MS: First comparison of stable isotope dilution assay and diastereomeric dilution assay methods. <i>Analytica Chimica Acta</i> , 2014, 818, 39-45.	5.4	22
33	<i>N</i> -Substituted Glycines with Functional Side-Chains for Peptoid Synthesis. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 8142-8147.	2.4	5
34	First Synthesis of a Stable Isotope of Ochratoxin A Metabolite for a Reliable Detoxification Monitoring. <i>Organic Letters</i> , 2013, 15, 3888-3890.	4.6	12
35	(L)-(Trimethylsilyl)alanine synthesis exploiting hydroxypinanone-induced diastereoselective alkylation. <i>Amino Acids</i> , 2013, 45, 301-307.	2.7	22
36	Spinal NTS2 receptor activation reverses signs of neuropathic pain. <i>FASEB Journal</i> , 2013, 27, 3741-3752.	0.5	31

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37	Synthesis of homopolypeptides with PPII structure. <i>Journal of Polymer Science Part A</i> , 2013, 51, 3103-3109.	2.3	11
38	How organic and analytical chemistry contribute to knowledge of the biogenesis of varietal thiols in wine. A review.. <i>Flavour and Fragrance Journal</i> , 2012, 27, 266-272.	2.6	12
39	Resolution of protected silaproline for a gram scale preparation. <i>Amino Acids</i> , 2012, 43, 649-655.	2.7	15
40	The crystallographic structure of thermoNicotianamine synthase with a synthetic reaction intermediate highlights the sequential processing mechanism. <i>Chemical Communications</i> , 2011, 47, 5825.	4.1	5
41	Varietal Thiols in Wine: Discovery, Analysis and Applications. <i>Chemical Reviews</i> , 2011, 111, 7355-7376.	47.7	179
42	Distribution of varietal thiol precursors in the skin and the pulp of Melon B. and Sauvignon Blanc grapes. <i>Food Chemistry</i> , 2011, 125, 139-144.	8.2	51
43	A flexible synthesis of C33-C39 polyketide region of apratoxin: Synthesis of natural and unnatural analogues. <i>Comptes Rendus Chimie</i> , 2011, 14, 437-440.	0.5	10
44	Efficient Synthesis of Nicotianamine and Nonâ€Natural Analogues. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 6609-6617.	2.4	6
45	Cyclization of Peptides through a Urea Bond: Application to the Argâ€Glyâ€Asp Tripeptide. <i>ChemBioChem</i> , 2010, 11, 1083-1092.	2.6	7
46	Identification and quantification by LCâ€MS/MS of a new precursor of 3-mercaptohexan-1-ol (3MH) using stable isotope dilution assay: Elements for understanding the 3MH production in wine. <i>Food Chemistry</i> , 2010, 121, 847-855.	8.2	73
47	Study of a lipophilic captopril analogue binding to angiotensin I converting enzyme. <i>Journal of Peptide Science</i> , 2010, 16, 91-97.	1.4	23
48	Straightforward Synthesis of Deuterated Precursors To Demonstrate the Biogenesis of Aromatic Thiols In Wine. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 10684-10689.	5.2	37
49	Highly Resolutive Separations of Hardly Soluble Synthetic Polypeptides by Capillary Electrophoresis. <i>Analytical Chemistry</i> , 2010, 82, 394-399.	6.5	13
50	Direct Access to <sc>L</sc>-Azetidineâ€2â€carboxylic Acid. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 2729-2732.	2.4	16
51	Synthesis and Biological Activity of Nicotianamine and Analogues. <i>Advances in Experimental Medicine and Biology</i> , 2009, 611, 555-557.	1.6	0
52	Supported Synthesis of Oxoapratoxin A. <i>Journal of Organic Chemistry</i> , 2009, 74, 4298-4304.	3.2	32
53	Straightforward Synthesis of Chiral Silylated Amino Acids through Hydrosilylation. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 3107-3112.	2.4	18
54	<i>Î±,Î±â€2</i>-Disubstituted Amino Acids with Silylated Side Chains as Lipophilic Building Blocks for the Synthesis of Peptaibol Analogues. <i>Chemistry and Biodiversity</i> , 2008, 5, 1279-1287.	2.1	20

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55	Synthesis and Biological Effects of c(Lys-Lys-Pro-Tyr-Ile-Leu-Lys-Lys-Pro-Tyr-Ile-Leu) (JMV2012), a New Analogue of Neurotensin that Crosses the Blood-Brain Barrier. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 1610-1616.	6.4	39
56	Replacement of a Proline with Silaproline Causes a 20-Fold Increase in the Cellular Uptake of a Pro-Rich Peptide. <i>Journal of the American Chemical Society</i> , 2006, 128, 8479-8483.	13.7	66
57	Conformational studies of proline-, thiaproline- and dimethylsilaproline-containing diketopiperazines. <i>Journal of Peptide Science</i> , 2006, 12, 621-625.	1.4	17
58	Toward high yield synthesis of peptide-oligonucleotide chimera through a disulfide bridge: A simplified method for oligonucleotide activation. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005, 15, 5084-5087.	2.2	14
59	Biological activity of silylated amino acid containing substance P analogues. <i>Chemical Biology and Drug Design</i> , 2004, 63, 290-296.	1.1	31
60	A contribution to the nomenclature of depsipeptides. <i>Journal of Peptide Science</i> , 2004, 10, 115-118.	1.4	8
61	Peptide Bond Formation Using Polymer-Bound BOP. <i>European Journal of Organic Chemistry</i> , 2004, 2004, 1936-1939.	2.4	13
62	Towards a selective Boc deprotection on acid cleavable Wang resin. <i>Tetrahedron Letters</i> , 2003, 44, 4757-4759.	1.4	9
63	Influence of Silaproline on Peptide Conformation and Bioactivity. <i>Journal of the American Chemical Society</i> , 2002, 124, 2917-2923.	13.7	77
64	JMS Letters. <i>Journal of Mass Spectrometry</i> , 2002, 37, 1168-1170.	1.6	5
65	High yield synthesis of tentoxin, a cyclic tetrapeptide. <i>Journal of Peptide Science</i> , 2002, 8, 335-346.	1.4	22
66	Design of new tentoxin analogues: Study of the ATP-synthase catalytic mechanism. , 2002, , 110-111.		0
67	Isolation, structure and synthesis of mahafacyclin B, a cyclic heptapeptide from the latex of <i>Jatropha mahafalensis</i> . <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2001, , 2098-2103.	1.3	43
68	New general strategy of dimerization of bioactive molecules. <i>Tetrahedron Letters</i> , 2001, 42, 1895-1897.	1.4	8
69	Synthesis of tritium labelled delta sleep-inducing peptide. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2001, 44, 501-508.	1.0	1
70	Original and General Strategy of Dimerization of Bioactive Molecules. , 2001, , 152-154.		3
71	Synthesis of Silaproline, a New Proline Surrogate. , 2000, 2000, 807-811.		67
72	A silaproline-containing dipeptide. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2000, 56, 1452-1454.	0.4	20

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73	Neurotensin Modulates the Electrical Activity of Frog Pituitary Melanotropes via Activation of a G-Protein-Coupled Receptor Pharmacologically Related to Both the NTS1 and nts2 Receptors of Mammals. <i>Neuroendocrinology</i> , 2000, 72, 379-391.	2.5	10
74	A side-reaction in the SPPS of Trp-containing peptides. , 1999, 5, 457-461.		22
75	Natural cyclopeptides as leads for novel pesticides: tentoxin and destruxin. <i>Pest Management Science</i> , 1998, 52, 81-89.	0.4	32
76	Isolation, structure and synthesis of chevalierins A, B and C, cyclic peptides from the latex of <i>Jatropha chevalieri</i> . <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1998, , 3033-3040.	0.9	24
77	REGIOSELECTIVE EPOXIDE RING-OPENING TO THE ENANTIOMERICALLY PURE $\hat{\pm}$ -HYDROXY ANALOGUE OF S-TERT-BUTYL CYSTEINE. <i>Organic Preparations and Procedures International</i> , 1998, 30, 103-106.	1.3	6
78	Natural cyclopeptides as leads for novel pesticides: tentoxin and destruxin. <i>Pest Management Science</i> , 1998, 52, 81-89.	0.4	2
79	Studies on Side Chain Interactions during the Isopenicillin N Synthase Catalysed Biosynthesis of Penicillins. <i>Journal of Chemical Research Synopses</i> , 1997, , 200-201.	0.3	0
80	Metabolism of Tentoxin by Hepatic Cytochrome P-450 3A Isozymes. <i>FEBS Journal</i> , 1997, 250, 150-157.	0.2	22
81	Analogues of tentoxin: Tools for mechanistic investigations. <i>International Journal of Peptide Research and Therapeutics</i> , 1997, 4, 283-288.	0.1	1
82	First synthesis of the enantiomerically pure $\hat{\pm}$ -hydroxy analogue of S-tert-butyl cysteine. <i>Tetrahedron: Asymmetry</i> , 1997, 8, 41-43.	1.8	5
83	Destruxin analogs: variations of the $\hat{\pm}$ -hydroxy acid side chain. <i>Chemical Biology and Drug Design</i> , 1997, 50, 94-101.	1.1	16
84	Synthesis, Structure, and Properties of MeSer1-Tentoxin, a New Cyclic Tetrapeptide Which Interacts Specifically with Chloroplast F1H+-ATPase Differentiation of Inhibitory and Stimulating Effects. <i>Biochemistry</i> , 1996, 35, 12804-12811.	2.5	20
85	Tentoxin has at least two binding sites on CF1 and $\hat{\mu}$ -depleted CF1ATPases isolated from spinach chloroplast. <i>FEBS Letters</i> , 1996, 395, 217-220.	2.8	18
86	Destruxin analogues: Depsi peptidic bond replacement by amide bond. <i>Tetrahedron</i> , 1996, 52, 6173-6186.	1.9	22
87	Studies of selective Boc removal in the presence of silyl ethers. <i>Tetrahedron Letters</i> , 1996, 37, 5131-5134.	1.4	36
88	Gas-phase reactivity of protonated cyclodepsipeptidic toxins: The study of a systematic fragmentation pathway under fast-atom bombardment desorption. <i>Rapid Communications in Mass Spectrometry</i> , 1995, 9, 1512-1515.	1.5	5
89	New synthesis of the cyclic tetrapeptide tentoxin employing an azlactone as key intermediate. <i>Tetrahedron Letters</i> , 1995, 36, 4425-4428.	1.4	45
90	Effects of Tentoxin and Analogues on ATPase Properties of CF1 and TF1. , 1995, , 2063-2066.		0

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91	A first approach to asymmetric protonation via a polymer supported chiral proton donor. <i>Tetrahedron Letters</i> , 1994, 35, 2891-2894.	1.4	39
92	AN EFFICIENT ONE STEP SYNTHESIS OF <i>tert</i> -BUTYL GLYCINATE AND <i>tert</i> -BUTYL SARCOSINATE. <i>Organic Preparations and Procedures International</i> , 1994, 26, 608-610.	1.3	5
93	Determination of the enantiomeric excess of $\hat{\pm}$ -hydroxy acids. <i>Tetrahedron: Asymmetry</i> , 1993, 4, 2495-2500.	1.8	11
94	Deracemization of silyl enol ethers. <i>Tetrahedron: Asymmetry</i> , 1993, 4, 2501-2505.	1.8	23
95	How to perform small peptide cyclizations. <i>Computational and Theoretical Chemistry</i> , 1993, 286, 125-130.	1.5	36
96	New diastereoselective synthesis of protected meso-lanthionine with discrimination of the chiral centers. <i>Tetrahedron: Asymmetry</i> , 1992, 3, 85-94.	1.8	17
97	N-bis-silylation of $\hat{\pm}$ -amino acids: $\hat{\pm}$ -benzostabases as amino protecting group. <i>Tetrahedron</i> , 1991, 47, 9807-9822.	1.9	22
98	Improved synthesis of preformed Boc-aminoacid-bridging groups for use in solid phase peptide synthesis. <i>Tetrahedron Letters</i> , 1990, 31, 2003-2006.	1.4	1