

James Gardiner

List of Publications by Year in descending order

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60
papers

2,557
citations

201385

27
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189595

50
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68
all docs

68
docs citations

68
times ranked

3629
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>In Situ</i> Investigation of Multicomponent MOF Crystallization during Rapid Continuous Flow Synthesis. ACS Applied Materials & Interfaces, 2021, 13, 54284-54293.	4.0	8
2	Continuous Flow Synthesis of a Zr Magnetic Framework Composite for Post-Combustion CO ₂ Capture. Chemistry - A European Journal, 2019, 25, 13184-13188.	1.7	27
3	Î ² -Aminopeptidases: Insight into Enzymes without a Known Natural Substrate. Applied and Environmental Microbiology, 2019, 85, .	1.4	6
4	Catalytic Static Mixers for the Continuous Flow Hydrogenation of a Key Intermediate of Linezolid (Zyvox). Organic Process Research and Development, 2018, 22, 1448-1452.	1.3	39
5	Reductive aminations using a 3D printed supported metal(0) catalyst system. Journal of Flow Chemistry, 2018, 8, 81-88.	1.2	18
6	Injectable peptide-based hydrogel formulations for the extended in vivo release of opioids. Materials Today Chemistry, 2017, 3, 49-59.	1.7	23
7	Preparation of Forced Gradient Copolymers Using Tube-in-Tube Continuous Flow Reactors. Macromolecular Reaction Engineering, 2017, 11, 1600065.	0.9	15
8	Interactions of human embryonic stem cell-derived cardiovascular progenitor cells with immobilized extracellular matrix proteins. Journal of Biomedical Materials Research - Part A, 2017, 105, 1094-1104.	2.1	6
9	Immobilisation of Multiple Ligands Using Peptide Nucleic Acids: A Strategy to Prepare the Microenvironment for Cell Culture. ChemistrySelect, 2017, 2, 4028-4032.	0.7	1
10	Controlling self-assembly of diphenylalanine peptides at high pH using heterocyclic capping groups. Scientific Reports, 2017, 7, 43947.	1.6	46
11	4-Halogeno-3,5-dimethyl-1H-pyrazole-1-carbodithioates: versatile reversible addition fragmentation chain transfer agents with broad applicability. Polymer International, 2017, 66, 1438-1447.	1.6	28
12	Cover Image, Volume 66, Issue 11. Polymer International, 2017, 66, i-i.	1.6	0
13	Use of Catalytic Static Mixers for Continuous Flow Gas-Liquid and Transfer Hydrogenations in Organic Synthesis. Organic Process Research and Development, 2017, 21, 1311-1319.	1.3	50
14	Total Chemical Synthesis of an Intra-Chain Cystathionine Human Insulin Analogue with Enhanced Thermal Stability. Angewandte Chemie - International Edition, 2016, 55, 14743-14747.	7.2	45
15	Total Chemical Synthesis of an Intra-Chain Cystathionine Human Insulin Analogue with Enhanced Thermal Stability. Angewandte Chemie, 2016, 128, 14963-14967.	1.6	18
16	Dithiocarbamate RAFT agents with broad applicability - the 3,5-dimethyl-1H-pyrazole-1-carbodithioates. Polymer Chemistry, 2016, 7, 481-492.	1.9	48
17	Injectable peptide hydrogels for controlled-release of opioids. MedChemComm, 2016, 7, 542-549.	3.5	27
18	Mixed Î ¹ /Î ² -Peptides as a Class of Short Amphipathic Peptide Hydrogelators with Enhanced Proteolytic Stability. Biomacromolecules, 2016, 17, 437-445.	2.6	30

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19	Continuous flow photo-initiated RAFT polymerisation using a tubular photochemical reactor. <i>European Polymer Journal</i> , 2016, 80, 200-207.	2.6	36
20	Fluoropolymers: Origin, Production, and Industrial and Commercial Applications. <i>Australian Journal of Chemistry</i> , 2015, 68, 13.	0.5	158
21	Low Fouling Electrospun Scaffolds with Clicked Bioactive Peptides for Specific Cell Attachment. <i>Biomacromolecules</i> , 2015, 16, 2109-2118.	2.6	18
22	Rational design of a hexapeptide hydrogelator for controlled-release drug delivery. <i>Journal of Materials Chemistry B</i> , 2015, 3, 759-765.	2.9	32
23	Immobilisation of a thrombopoietin peptidic mimic by self-assembled monolayers for culture of CD34+ cells. <i>Biomaterials</i> , 2015, 37, 82-93.	5.7	8
24	Emerging rules for effective antimicrobial coatings. <i>Trends in Biotechnology</i> , 2014, 32, 82-90.	4.9	257
25	2-Nitroveratryl as a Photocleavable Thiol-Protecting Group for Directed Disulfide Bond Formation in the Chemical Synthesis of Insulin. <i>Chemistry - A European Journal</i> , 2014, 20, 9549-9552.	1.7	48
26	Polymerizable Peptide Copolymer Coatings for the Control of Biointerfacial Interactions. <i>Biomacromolecules</i> , 2014, 15, 2265-2273.	2.6	9
27	Development of ligand-immobilised surfaces for ex vivo expansion of haemopoietic stem cells. <i>Experimental Hematology</i> , 2013, 41, S67.	0.2	0
28	Monitoring the Early Stage Self-Assembly of Enzyme-Assisted Peptide Hydrogels. <i>Australian Journal of Chemistry</i> , 2013, 66, 572.	0.5	14
29	Total Chemical Synthesis of a Heterodimeric Interchain Bis-Lactam-Linked Peptide: Application to an Analogue of Human Insulin-Like Peptide 3. <i>International Journal of Peptides</i> , 2013, 2013, 1-8.	0.7	13
30	Synthesis, Structure, and Biological Applications of α -Fluorinated α -Amino Acids and Derivatives. <i>Chemistry and Biodiversity</i> , 2012, 9, 2410-2441.	1.0	57
31	On the Terminal Homologation of Physiologically Active Peptides as a Means of Increasing Stability in Human Serum – Neurotensin, Opiorphin, B27-KK10 Epitope, NPY. <i>Chemistry and Biodiversity</i> , 2011, 8, 711-739.	1.0	29
32	α -Aminopeptidase-Catalyzed Biotransformations of α -Dipeptides: Kinetic Resolution and Enzymatic Coupling. <i>ChemBioChem</i> , 2010, 11, 1129-1136.	1.3	18
33	Analysis of cellular phosphatidylinositol (3,4,5)-trisphosphate levels and distribution using confocal fluorescent microscopy. <i>Analytical Biochemistry</i> , 2010, 406, 41-50.	1.1	8
34	Synthesis and biological evaluation of phosphatidylinositol phosphate affinity probes. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 66-76.	1.5	56
35	Inversion of the Configuration of a Single Stereocenter in a α -Heptapeptide Leads to Drastic Changes in its Interaction with Phospholipid Bilayers. <i>ChemBioChem</i> , 2009, 10, 1978-1981.	1.3	12
36	Synthesis and High-Resolution NMR Structure of a α -Octapeptide with and without a Tether Introduced by Olefin Metathesis. <i>Helvetica Chimica Acta</i> , 2009, 92, 2643-2658.	1.0	17

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37	α -Peptide Conjugates: Syntheses and CD and NMR Investigations of α -Chimeric Peptides, of a DPA- α -Decapeptide, and of a PEGylated α -Heptapeptide. <i>Helvetica Chimica Acta</i> , 2009, 92, 2698-2721.	1.0	12
38	New Open-Chain and Cyclic Tetrapeptides, Consisting of α , α^2 , and α^3 -Amino Acid Residues, as Somatostatin Mimics – A Survey. <i>Helvetica Chimica Acta</i> , 2008, 91, 1736-1786.	1.0	53
39	The Enantiomer of Octreotate Binds to All Five Somatostatin Receptors with Almost Equal Micromolar Affinity – A Comparison with SANDOSTATIN [®] . <i>Chemistry and Biodiversity</i> , 2008, 5, 1213-1224.	1.0	7
40	Solution Structures of α^2 Peptides from Raman Optical Activity. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 6392-6394.	7.2	39
41	Enantioselective Synthesis of α^{\pm} -Fluorinated α^2 -Amino Acids. <i>Organic Letters</i> , 2008, 10, 885-887.	2.4	36
42	α^2 -Peptidic Peptidomimetics. <i>Accounts of Chemical Research</i> , 2008, 41, 1366-1375.	7.6	640
43	The 42 nd EUCHEM Conference on Stereochemistry (Bârgenstock-Conference 2007), Fârgen, April 14-20, 2007. <i>Chimia</i> , 2007, 61, 378-383.	0.3	0
44	Permeation of a α^2 -heptapeptide derivative across phospholipid bilayers. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2007, 1768, 2726-2736.	1.4	45
45	ADME Investigations of Unnatural Peptides: Distribution of a ¹⁴ C-labeled α^3 -Octaarginine in Rats. <i>Chemistry and Biodiversity</i> , 2007, 4, 1413-1437.	1.0	31
46	NMR-Solution Structures of Fluoro-Substituted α^2 -Peptides: A 3 ₁₄ -Helix and a Hairpin Turn. The First Case of a 90° O-C-F Dihedral Angle in an α^{\pm} -Fluoro-Amide Group. <i>Helvetica Chimica Acta</i> , 2007, 90, 2251-2273.	1.0	55
47	Imaging of a α^2 -peptide distribution in whole-body mice sections by MALDI mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2007, 18, 1921-1924.	1.2	84
48	Interaction of α^{\pm} - and α^2 -Oligoarginine-Acids and Amides with Anionic Lipid Vesicles: A Mechanistic and Thermodynamic Study. <i>Biochemistry</i> , 2006, 45, 5817-5829.	1.2	69
49	Ring closing metathesis of α^{\pm} - and α^2 -amino acid derived dienes. <i>Journal of Organometallic Chemistry</i> , 2006, 691, 5487-5496.	0.8	13
50	Comparison of Permeation through Phosphatidylcholine Bilayers of N-Dipicolinyl- α^{\pm} - and α^2 -Oligopeptides. <i>Chemistry and Biodiversity</i> , 2006, 3, 1181-1201.	1.0	14
51	Enzymatic Degradation of α^2 - and Mixed α^{\pm} , α^2 -Oligopeptides. <i>Chemistry and Biodiversity</i> , 2006, 3, 1325-1348.	1.0	55
52	Investigation of the Interactions of α^2 -Peptides with DNA Duplexes by Circular Dichroism Spectroscopy. <i>Helvetica Chimica Acta</i> , 2006, 89, 3087-3103.	1.0	14
53	Synthesis of Cyclic α^2 -Amino Acid Esters from Methionine, Allylglycine, and Serine. <i>Journal of Organic Chemistry</i> , 2004, 69, 3375-3382.	1.7	50
54	Synthesis and solid state conformation of phenylalanine mimetics constrained in a proline-like conformation. <i>Organic and Biomolecular Chemistry</i> , 2004, 2, 2365.	1.5	10

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55	Synthesis and X-ray structure of functionalised proline mimics. <i>Arkivoc</i> , 2004, 2004, 46-52.	0.3	8
56	Synthesis of Substituted Cyclohexenyl-Based $\hat{\text{I}}^2$ -Amino Acids by Ring-Closing Metathesis.. <i>ChemInform</i> , 2003, 34, no.	0.1	0
57	A diastereoselective synthesis of the tetrahydropyridazinone core of 2-oxo-1,6-diazobicyclo[4.3.0]nonane-9-carboxylate-based peptidomimetics starting from (S)-phenylalanine. <i>Tetrahedron Letters</i> , 2003, 44, 4227-4230.	0.7	12
58	Synthesis of Substituted Cyclohexenyl-Based $\hat{\text{I}}^2$ -Amino Acids by Ring-Closing Metathesis. <i>Organic Letters</i> , 2002, 4, 3663-3666.	2.4	30
59	Synthesis of Lactam-Based Peptidomimetics from $\hat{\text{I}}^2$ -Keto Esters and $\hat{\text{I}}^2$ -Keto Amides. <i>Journal of Organic Chemistry</i> , 1999, 64, 9668-9672.	1.7	16
60	Synthesis and X-ray structure of a 1,2,3,6-tetrahydropyridine-based phenylalanine mimetic. <i>Tetrahedron Letters</i> , 1998, 39, 9563-9566.	0.7	19