

Charlotte C Williams

List of Publications by Year in descending order

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35
papers

1,228
citations

430874

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h-index

361022

35
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35
all docs

35
docs citations

35
times ranked

1777
citing authors

#	ARTICLE	IF	CITATIONS
1	Palladium carbene complexes derived from imidazolium-linked ortho-cyclophanes. Dalton Transactions RSC, 2001, , 111-120.	2.3	131
2	Synthesis and Characterization of a Saddle-Shaped Nickel ^{II} Carbene Complex Derived from an Imidazolium-Linked meta-Cyclophane. Organometallics, 2002, 21, 2674-2678.	2.3	92
3	Engineered enzymes that retain and regenerate their cofactors enable continuous-flow biocatalysis. Nature Catalysis, 2019, 2, 1006-1015.	34.4	91
4	Enzyme-Mediated Site-Specific Bioconjugation of Metal Complexes to Proteins: Sortase-Mediated Coupling of Copper ⁶⁴ to a Single-Chain Antibody. Angewandte Chemie - International Edition, 2014, 53, 6115-6119.	13.8	82
5	Stabilisation of a heptamethine cyanine dye by rotaxane encapsulation. Chemical Communications, 2008, , 2897.	4.1	79
6	Azolium-Linked Cyclophanes: A Comprehensive Examination of Conformations by ¹ H NMR Spectroscopy and Structural Studies. Journal of Organic Chemistry, 2004, 69, 7640-7652.	3.2	73
7	Palladium, rhodium and platinum complexes of ortho-xylyl-linked bis-N-heterocyclic carbenes: Synthesis, structure and catalytic activity. Journal of Organometallic Chemistry, 2006, 691, 5845-5855.	1.8	71
8	Mercury Complexes of N-Heterocyclic Carbenes Derived from Imidazolium-Linked Cyclophanes: Synthesis, Structure, and Reactivity. Organometallics, 2009, 28, 3793-3803.	2.3	56
9	Synthesis and Optoelectronic Properties of Nonpolar Polyrotaxane Insulated Molecular Wires with High Solubility in Organic Solvents. Advanced Functional Materials, 2008, 18, 3367-3376.	14.9	51
10	Engineering of an anti-epidermal growth factor receptor antibody to single chain format and labeling by sortase A-mediated protein ligation. Biotechnology and Bioengineering, 2012, 109, 1461-1470.	3.3	51
11	Synthesis and structure of N-heterocyclic carbene complexes of rhodium and iridium derived from an imidazolium-linked cyclophane. Journal of Organometallic Chemistry, 2005, 690, 2312-2322.	1.8	43
12	Rapid Communication. Imidazolium-Linked Cyclophanes. Australian Journal of Chemistry, 1999, 52, 823.	0.9	40
13	PEGylation Does Not Significantly Change the Initial Intravenous or Subcutaneous Pharmacokinetics or Lymphatic Exposure of Trastuzumab in Rats but Increases Plasma Clearance after Subcutaneous Administration. Molecular Pharmaceutics, 2015, 12, 794-809.	4.6	34
14	Azolium-Linked Cyclophanes: Effects of Structure, Solvent, and Counteranions on Solution Conformation Behavior. Journal of Organic Chemistry, 2008, 73, 9340-9352.	3.2	32
15	Surfactant protein-A nanobody-conjugated liposomes loaded with methylprednisolone increase lung-targeting specificity and therapeutic effect for acute lung injury. Drug Delivery, 2017, 24, 1770-1781.	5.7	30
16	RAFT-Derived Polymer-Drug Conjugates: Poly(hydroxypropyl methacrylamide) (HPMA)- ⁷ â€³-Ethyl- ¹⁰ â€³-hydroxycamptothecin (SN-38) Conjugates. ChemMedChem, 2012, 7, 281-291.	3.2	28
17	Conjugation of 10 kDa Linear PEG onto Trastuzumab Fab ² Is Sufficient to Significantly Enhance Lymphatic Exposure while Preserving in Vitro Biological Activity. Molecular Pharmaceutics, 2016, 13, 1229-1241.	4.6	25
18	Functionalization of Cage Amines with Pendant Aromatic and Heteroaromatic Substituents. European Journal of Inorganic Chemistry, 2001, 2001, 1869-1881.	2.0	20

#	ARTICLE	IF	CITATIONS
19	Comparison of alternative nucleophiles for Sortase A-mediated bioconjugation and application in neuronal cell labelling. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 2675-2685.	2.8	19
20	Determination of the Structure of the Catabolic N-Succinylornithine Transaminase (AstC) from <i>Escherichia coli</i> . <i>PLoS ONE</i> , 2013, 8, e58298.	2.5	17
21	Dual Site-Specific Labeling of an Antibody Fragment through Sortase A and ϵ -Clamp Conjugation. <i>Bioconjugate Chemistry</i> , 2019, 30, 2539-2543.	3.6	17
22	Phase Segregation in Thin Films of Conjugated Polyrotaxane-Poly(ethylene oxide) Blends: A Scanning Force Microscopy Study. <i>Advanced Functional Materials</i> , 2007, 17, 927-932.	14.9	16
23	Cancer-targeting Antibody-Drug Conjugates: Site-specific Conjugation of Doxorubicin to Anti-EGFR 528 Fab' through a Polyethylene Glycol Linker. <i>Australian Journal of Chemistry</i> , 2011, 64, 779.	0.9	15
24	High-Throughput Production of Chromium(III) Complexes for Antibody Immobilization. <i>Analytical Chemistry</i> , 2016, 88, 10102-10110.	6.5	15
25	A chemiluminescent sandwich ELISA enhancement method using a chromium (III) coordination complex. <i>Journal of Immunological Methods</i> , 2016, 438, 59-66.	1.4	15
26	An Evaluation of Optimal PEGylation Strategies for Maximizing the Lymphatic Exposure and Antiviral Activity of Interferon after Subcutaneous Administration. <i>Biomacromolecules</i> , 2017, 18, 2866-2875.	5.4	15
27	Seven-Membered Rings. <i>Progress in Heterocyclic Chemistry</i> , 2018, , 493-550.	0.5	12
28	Sugar analog synthesis by in vitro biocatalytic cascade: A comparison of alternative enzyme complements for dihydroxyacetone phosphate production as a precursor to rare chiral sugar synthesis. <i>PLoS ONE</i> , 2017, 12, e0184183.	2.5	12
29	Seven-Membered Rings. <i>Progress in Heterocyclic Chemistry</i> , 2013, , 455-495.	0.5	11
30	Seven-Membered Rings. <i>Progress in Heterocyclic Chemistry</i> , 2015, 27, 531-573.	0.5	9
31	A 30 kDa polyethylene glycol-enfuvirtide complex enhances the exposure of enfuvirtide in lymphatic viral reservoirs in rats. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019, 137, 218-226.	4.3	9
32	Seven-Membered Rings. <i>Progress in Heterocyclic Chemistry</i> , 2011, 23, 465-504.	0.5	7
33	Concerning the dual emission of porphyrazines employed in biomedical imaging. <i>Photochemical and Photobiological Sciences</i> , 2013, 12, 1086-1090.	2.9	5
34	Preparation of Protein-Polymer Conjugates: Copolymerisation by RAFT. <i>Australian Journal of Chemistry</i> , 2020, , .	0.9	3
35	Preclinical Evaluation of a Fluorescent Probe Targeting Receptor CDCP1 for Identification of Ovarian Cancer. <i>Molecular Pharmaceutics</i> , 2021, 18, 3464-3474.	4.6	2