Christopher A Alabi

List of Publications by Year in Descending Order

35 papers	655 citations	12 h-index	25 g-index
38 ext. papers	831 ext. citations	8.3 avg, IF	4.52 L-index

#	Paper	IF	Citations
35	Mechanism of Action and Resistance Evasion of an Antimicrobial Oligomer against Multidrug-Resistant Gram-Negative Bacteria.. *ACS Applied Bio Materials*, **2022**,	4.1	1
34	Intranasal fusion inhibitory lipopeptide prevents direct-contact SARS-CoV-2 transmission in ferrets. *Science*, **2021**, 371, 1379-1382	33.3	72
33	Characterization of 14-Crown-4 Ethers for the Extraction of Lithium from Natural Brines: Synthesis, Solubility Measurements in Supercritical Carbon Dioxide, and Thermodynamic Modeling. *Industrial & Engineering Chemistry Research*, **2021**, 60, 7926-7934	3.9	3
32	Predictive Platforms of Bond Cleavage and Drug Release Kinetics for Macromolecule-Drug Conjugates. *Annual Review of Chemical and Biomolecular Engineering*, **2021**, 12, 241-261	8.9	3
31	PEGylated Oligothioetheramide Prodrugs Activated by Host Serum Proteases. *ChemBioChem*, **2021**, 22, 2697-2702	3.8	1
30	Effect of backbone and end-group regioisomerism on thermomechanical properties of vanillin-based polyurethane networks. *Polymer Chemistry*, **2021**, 12, 1526-1532	4.9	2
29	Quantitative Determination of Intracellular Bond Cleavage. *Methods in Pharmacology and Toxicology*, **2021**, 305-330	1.1	0
28	Design of a PEGylated Antimicrobial Prodrug with Species-Specific Activation. *Biomacromolecules*, **2021**, 22, 984-992	6.9	3
27	Inhibition of Measles Viral Fusion Is Enhanced by Targeting Multiple Domains of the Fusion Protein. *ACS Nano*, **2021**,	16.7	1
26	Thiol-Ene Networks from Sequence-Defined Polyurethane Macromers. *Journal of the American Chemical Society*, **2020**, 142, 6729-6736	16.4	12
25	Hijacking the Fusion Complex of Human Parainfluenza Virus as an Antiviral Strategy. *MBio*, **2020**, 11,	7.8	7
24	Intranasal fusion inhibitory lipopeptide prevents direct contact SARS-CoV-2 transmission in ferrets **2020**,		4
23	Design of protein-based □turn on□molecular probes for intracellular bond cleavage. *Molecular Systems Design and Engineering*, **2020**, 5, 385-391	4.6	1
22	Decomplexation as a rate limitation in the thiol-Michael addition of N-acrylamides. *Organic and Biomolecular Chemistry*, **2020**, 18, 6364-6377	3.9	3
21	Biophysical Characterization of Cationic Antibacterial Oligothioetheramides. *Analytical Chemistry*, **2019**, 91, 3118-3124	7.8	7
20	Dual Site-Specific Antibody Conjugates for Sequential and Orthogonal Cargo Release. *Bioconjugate Chemistry*, **2019**, 30, 1702-1710	6.3	20
19	Antibody-Mediated Endocytosis of Polysialic Acid Enables Intracellular Delivery and Cytotoxicity of a Glycan-Directed Antibody-Drug Conjugate. *Cancer Research*, **2019**, 79, 1810-1821	10.1	11

18	Substrate Design Enables Heterobifunctional, Dual "Click" Antibody Modification via Microbial Transglutaminase. *Bioconjugate Chemistry*, **2019**, 30, 2452-2457	6.3	19
17	Responsive Antibody Conjugates Enable Quantitative Determination of Intracellular Bond Degradation Rate. *Cell Chemical Biology*, **2019**, 26, 1643-1651.e4	8.2	12
16	Hydrophilic Sequence-Defined Cross-Linkers for Antibody-Drug Conjugates. *Bioconjugate Chemistry* , **2019**, 30, 2982-2988	6.3	9
15	Inhibiting Human Parainfluenza Virus Infection by Preactivating the Cell Entry Mechanism. *MBio*, **2019**, 10,	7.8	9
14	Biomimetic Electronic Devices for Measuring Bacterial Membrane Disruption. *Advanced Materials*, **2018**, 30, e1803130	24	35
13	Antibacterial isoamphipathic oligomers highlight the importance of multimeric lipid aggregation for antibacterial potency. *Communications Biology*, **2018**, 1, 220	6.7	14
12	Sensitivity of Antibacterial Activity to Backbone Sequence in Constitutionally Isomeric OligoTEAs. *Macromolecular Bioscience*, **2018**, 18, e1800241	5.5	8
11	Effective in Vivo Targeting of Influenza Virus through a Cell-Penetrating/Fusion Inhibitor Tandem Peptide Anchored to the Plasma Membrane. *Bioconjugate Chemistry*, **2018**, 29, 3362-3376	6.3	19
10	Effect of Composition on Antibacterial Activity of Sequence-Defined Cationic Oligothioetheramides. *ACS Infectious Diseases*, **2018**, 4, 1257-1263	5.5	15
9	Intracellular Delivery via Noncharged Sequence-Defined Cell-Penetrating Oligomers. *Bioconjugate Chemistry*, **2018**, 29, 2628-2635	6.3	9
8	Sequence-Defined Backbone Modifications Regulate Antibacterial Activity of OligoTEAs. *ACS Chemical Biology*, **2017**, 12, 715-723	4.9	36
7	Versatile Platform for the Synthesis of Orthogonally Cleavable Heteromultifunctional Cross-Linkers. *Bioconjugate Chemistry*, **2017**, 28, 907-912	6.3	10
6	Synthesis and Solution-Phase Characterization of Sulfonated Oligothioetheramides. *Macromolecules*, **2017**, 50, 8731-8738	5.5	9
5	Iterative Synthetic Methods for the Assembly of Sequence-Controlled Non-Natural Polymers **2017**, 159-181		
4	In Vivo Efficacy of Measles Virus Fusion Protein-Derived Peptides Is Modulated by the Properties of Self-Assembly and Membrane Residence. *Journal of Virology*, **2017**, 91,	6.6	28
3	Sequence-defined bioactive macrocycles via an acid-catalysed cascade reaction. *Nature Chemistry*, **2016**, 8, 590-6	17.6	98
2	Sequence-Defined Oligothioetheramides. *Synlett*, **2015**, 26, 565-571	2.2	23
1	Sequence-defined polymers via orthogonal allyl acrylamide building blocks. *Journal of the American Chemical Society*, **2014**, 136, 13162-5	16.4	150