

# Joshua G Pierce

## List of Publications by Year in descending order

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Version: 2024-02-01

54  
papers

1,241  
citations

361045

20  
h-index

395343

33  
g-index

71  
all docs

71  
docs citations

71  
times ranked

1347  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Redesigned Vancomycin Engineered for Dual $\alpha$ -Ala- $\alpha$ -Ala and $\alpha$ -Ala- $\alpha$ -Lac Binding Exhibits Potent Antimicrobial Activity Against Vancomycin-Resistant Bacteria. <i>Journal of the American Chemical Society</i> , 2011, 133, 13946-13949.	6.6	133
2	Total Synthesis of $[\text{C}(\beta\text{-NH})\text{Tpg}^4]$ Vancomycin Aglycon, $[\text{C}(\alpha\text{-NH})\text{Tpg}^4]$ Vancomycin Aglycon, and Related Key Compounds: Reengineering Vancomycin for Dual $\alpha$ -Ala- $\alpha$ -Ala and $\alpha$ -Ala- $\alpha$ -Lac Binding. <i>Journal of the American Chemical Society</i> , 2012, 134, 1284-1297.	6.6	125
3	Redesign of Glycopeptide Antibiotics: Back to the Future. <i>ACS Chemical Biology</i> , 2012, 7, 797-804.	1.6	120
4	Silver(I)-Promoted Conversion of Thioamides to Amidines: Divergent Synthesis of a Key Series of Vancomycin Aglycon Residue 4 Amidines That Clarify Binding Behavior to Model Ligands. <i>Journal of the American Chemical Society</i> , 2012, 134, 8790-8793.	6.6	74
5	Expedient Synthesis of the $\beta$ -C-Glycoside Analogue of the Immunostimulant Galactosylceramide (KRN7000). <i>Organic Letters</i> , 2006, 8, 3375-3378.	2.4	46
6	Large-Scale Asymmetric Synthesis of the Bioprotective Agent JP4-039 and Analogs. <i>Organic Letters</i> , 2011, 13, 2318-2321.	2.4	46
7	The mitochondria-targeted nitroxide JP4-039 augments potentially lethal irradiation damage repair. <i>In Vivo</i> , 2009, 23, 717-26.	0.6	44
8	Synthesis of Homoallylic Amines by Hydrozirconation $\rightarrow$ Imine Addition of Allenes. <i>Organic Letters</i> , 2005, 7, 3537-3540.	2.4	42
9	A Rapid Synthesis of $\beta$ -Oxazolidinones: Total Synthesis of Synoxazolidinones A and B. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 5401-5404.	7.2	41
10	Silver(I)-Catalyzed Addition of Zirconocenes to Glycal Epoxides. A New Synthesis of $\beta$ -C-Glycosides. <i>Organic Letters</i> , 2005, 7, 483-485.	2.4	37
11	Mast cell degranulation and calcium influx are inhibited by an <i>Echinacea purpurea</i> extract and the alkylamide dodeca-2E,4E-dienoic acid isobutylamide. <i>Journal of Ethnopharmacology</i> , 2018, 212, 166-174.	2.0	34
12	Synthesis of 1,4,2-Oxathiazoles via Oxidative Cyclization of Thiohydroxamic Acids. <i>Organic Letters</i> , 2015, 17, 4542-4545.	2.4	28
13	Synthesis of Thiazolines by Copper Catalyzed Aminobromination of Thiohydroxamic Acids. <i>Organic Letters</i> , 2014, 16, 2074-2076.	2.4	27
14	Stereoselective Synthesis of Quaternary Pyrrolidine-2,3-diones and $\beta$ -Amino Acids. <i>Organic Letters</i> , 2017, 19, 2961-2964.	2.4	27
15	Structure, synthesis and biological properties of the pentacyclic guanidinium alkaloids. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 2817-2824.	1.4	25
16	Synthesis and Evaluation of Selected Key Methyl Ether Derivatives of Vancomycin Aglycon. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 7229-7235.	2.9	23
17	Synthesis of a library of tricyclic azepinoisoindolinones. <i>Beilstein Journal of Organic Chemistry</i> , 2012, 8, 1091-1097.	1.3	22
18	Synthesis of the 5,6-Dihydroxymorpholin-3-one Fragment of Monanchocidin A. <i>Organic Letters</i> , 2015, 17, 968-971.	2.4	22

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19	Synthesis of Hydroxylated Bicyclic Amino Acids from L-Tyrosine: Octahydro-1H-indole Carboxylates. <i>Journal of Organic Chemistry</i> , 2008, 73, 7807-7810.	1.7	21
20	5-Benzylidene-4-oxazolidinones potently inhibit biofilm formation in Methicillin-resistant <i>Staphylococcus aureus</i> . <i>Chemical Communications</i> , 2017, 53, 7353-7356.	2.2	21
21	Synthesis of functionalized isoindolinones: Addition of in situ generated organoalanes to acyliminium ions. <i>Journal of Organometallic Chemistry</i> , 2007, 692, 4618-4629.	0.8	20
22	Synthesis of 1,2,4-Oxadiazoles via DDQ-Mediated Oxidative Cyclization of Amidoximes. <i>Synthesis</i> , 2016, 48, 1902-1909.	1.2	20
23	Synthesis of Thiohydroxamic Acids and Thiohydroxamic Acid Derivatives. <i>Journal of Organic Chemistry</i> , 2014, 79, 2321-2330.	1.7	19
24	Synthesis and Biological Evaluation of the Antimicrobial Natural Product Lipoxazolidinone...A. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8682-8686.	7.2	19
25	Synthesis of Quaternary-Substituted Thiazolines via Halocyclization of <i>S</i> -Allyl Thioimidate Salts. <i>Journal of Organic Chemistry</i> , 2018, 83, 12-22.	1.7	18
26	Rapid synthesis and antimicrobial activity of novel 4-oxazolidinone heterocycles. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 4887-4889.	1.0	17
27	Direct Access to Highly Functionalized Heterocycles through the Condensation of Cyclic Imines and $\beta$ -Oxoesters. <i>Journal of Organic Chemistry</i> , 2017, 82, 13714-13721.	1.7	14
28	3-Hydroxy-1,5-dihydro-2H-pyrrol-2-ones as novel antibacterial scaffolds against methicillin-resistant <i>Staphylococcus aureus</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 2732-2735.	1.0	14
29	Stereocontrolled Synthesis of ( $\Delta^{\pm}$ )-Melokhanine E via an Intramolecular Formal [3 + 2] Cycloaddition. <i>Organic Letters</i> , 2020, 22, 714-717.	2.4	13
30	Leveraging Marine Natural Products as a Platform to Tackle Bacterial Resistance and Persistence. <i>Accounts of Chemical Research</i> , 2021, 54, 1866-1877.	7.6	13
31	Synthesis and biological evaluation of a series of fatty acid amides from Echinacea. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 3091-3094.	1.0	12
32	Concise Synthesis and Antimicrobial Evaluation of the Guanidinium Alkaloid Batzelladine D: Development of a Stereodivergent Strategy. <i>Journal of the American Chemical Society</i> , 2020, 142, 9850-9857.	6.6	11
33	Synthesis and Biological Evaluation of the Antimicrobial Natural Product Lipoxazolidinone...A. <i>Angewandte Chemie</i> , 2018, 130, 8818-8822.	1.6	10
34	Stereoselective, Multicomponent Approach to Quaternary Substituted Hydroindole Scaffolds. <i>Organic Letters</i> , 2020, 22, 5079-5084.	2.4	9
35	Expanded Structure-Activity Studies of Lipoxazolidinone Antibiotics. <i>ACS Medicinal Chemistry Letters</i> , 2019, 10, 374-377.	1.3	8
36	Investigation of ligand loading and asymmetric amplification in CHAOx-catalyzed asymmetric diethylzinc additions. <i>Tetrahedron: Asymmetry</i> , 2003, 14, 3605-3611.	1.8	7

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37	Synthesis of 2,3-Dihydro-1,3-oxazin-4-ones via a Mild Formal [4+2] Cycloaddition of Acylketenes with Aldimines. <i>Synthesis</i> , 2015, 47, 3363-3370.	1.2	7
38	Stereocontrolled Synthesis of (+)-Plagiogyrin A. <i>Organic Letters</i> , 2016, 18, 5308-5311.	2.4	6
39	5- <i>n</i> -Benzylidene-oxazolidinones Are Synergistic with Antibiotics for the Treatment of <i>Staphylococcus aureus</i> Biofilms. <i>ChemBioChem</i> , 2020, 21, 933-937.	1.3	6
40	Stereoselective Synthesis of the Spirocyclic $\beta$ -Lactam Core of the Ansalactams. <i>Organic Letters</i> , 2021, 23, 9559-9562.	2.4	5
41	The Mitochondrial Targeted GS-Nitroxide JP4-039 is Radioprotective In Vitro and In Vivo. <i>International Journal of Radiation Oncology Biology Physics</i> , 2008, 72, S82.	0.4	4
42	Coupling of thioamides with 4-bromocrotonate esters and subsequent conjugate addition for the rapid one-pot synthesis of functionalized thiazolines. <i>Tetrahedron Letters</i> , 2018, 59, 277-279.	0.7	4
43	In Vitro Evaluation of a Novel Synthetic Bilirubin Analog as an Antioxidant and Cytoprotective Agent for Pancreatic Islet Transplantation. <i>Cell Transplantation</i> , 2020, 29, 096368972090641.	1.2	3
44	Design, synthesis, and evaluation of substrate $\alpha$ analogue inhibitors of <i>Trypanosoma cruzi</i> ribose 5-phosphate isomerase type B. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021, 32, 127723.	1.0	3
45	Rapid synthesis of the core scaffold of crinine and haemanthamine through a multi-component approach. <i>Tetrahedron Letters</i> , 2021, 75, 153201.	0.7	3
46	Tissue-reactive drugs enable materials-free local depots. <i>Journal of Controlled Release</i> , 2022, 343, 142-151.	4.8	3
47	Total Synthesis of Bipolarine I. <i>Journal of the American Chemical Society</i> , 2022, 144, 12638-12641.	6.6	3
48	How Cancer Cells Become Resistant to Cationic Lytic Peptides: It's the Sugar!. <i>Cell Chemical Biology</i> , 2017, 24, 121-122.	2.5	2
49	Accidental intoxications in toddlers: lack of cross-reactivity of vilazodone and its urinary metabolite M17 with drug of abuse screening immunoassays. <i>BMC Clinical Pathology</i> , 2019, 19, 2.	1.8	2
50	Restoring Carboxylates on Highly Modified Alginates Improves Gelation, Tissue Retention and Systemic Capture. <i>Acta Biomaterialia</i> , 2021, 138, 208-208.	4.1	2
51	Synthesis of Homoallylic Amines by Hydrozirconation-Imine Addition of Allenes. <i>ChemInform</i> , 2005, 36, no.	0.1	0
52	Examining ubiquitinated peptide enrichment efficiency through an epitope labeled protein. <i>Analytical Biochemistry</i> , 2016, 512, 114-119.	1.1	0
53	Marine natural products synthesis as a driving force for chemical and biological discovery. <i>Planta Medica</i> , 2015, 81, .	0.7	0
54	1,4-Oxazines and Their Benzo Derivatives. , 2020, , 480-480.		0