

# Joshua G Pierce

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2009425/publications.pdf>

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  | Tissue-reactive drugs enable materials-free local depots. <i>Journal of Controlled Release</i> , 2022, 343, 142-151.   | 4.8 | 3         |
| 2  | Total Synthesis of Bipolamine I. <i>Journal of the American Chemical Society</i> , 2022, 144, 12638-12641.   | 6.6 | 3         |
| 3  | Design, synthesis, and evaluation of substrate $\hat{\epsilon}$ 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         |
| 4  | 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        |
| 5  | 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         |
| 6  | Restoring Carboxylates on Highly Modified Alginates Improves Gelation, Tissue Retention and Systemic Capture. <i>Acta Biomaterialia</i> , 2021, 138, 208-208.  | 4.1 | 2         |
| 7  | Stereoselective Synthesis of the Spirocyclic $\hat{3}$ -Lactam Core of the Ansalactams. <i>Organic Letters</i> , 2021, 23, 9559-9562.  | 2.4 | 5         |
| 8  | Stereocontrolled Synthesis of ( $\hat{\pm}$ )-Melokhanine E via an Intramolecular Formal [3 + 2] Cycloaddition. <i>Organic Letters</i> , 2020, 22, 714-717.  | 2.4 | 13        |
| 9  | 5-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         |
| 10 | 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        |
| 11 | Stereoselective, Multicomponent Approach to Quaternary Substituted Hydroindole Scaffolds. <i>Organic Letters</i> , 2020, 22, 5079-5084.  | 2.4 | 9         |
| 12 | 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         |
| 13 | 1,4-Oxazines and Their Benzo Derivatives. , 2020, , 480-480.   |     | 0         |
| 14 | 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         |
| 15 | Expanded Structure-Activity Studies of Lipoxazolidinone Antibiotics. <i>ACS Medicinal Chemistry Letters</i> , 2019, 10, 374-377.   | 1.3 | 8         |
| 16 | 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        |
| 17 | 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        |
| 18 | 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        |

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|----|--|-----|-----------|
| 19 | 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         |
| 20 | Synthesis and Biological Evaluation of the Antimicrobial Natural Product Lipoxazolidinoneâ€¦A. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8682-8686.                               | 7.2 | 19        |
| 21 | Synthesis and Biological Evaluation of the Antimicrobial Natural Product Lipoxazolidinoneâ€¦A. <i>Angewandte Chemie</i> , 2018, 130, 8818-8822.  | 1.6 | 10        |
| 22 | How Cancer Cells Become Resistant to Cationic Lytic Peptides: Itâ€™s the Sugar!. <i>Cell Chemical Biology</i> , 2017, 24, 121-122.   | 2.5 | 2         |
| 23 | 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        |
| 24 | Stereoselective Synthesis of Quaternary Pyrrolidine-2,3-diones and Î²-Amino Acids. <i>Organic Letters</i> , 2017, 19, 2961-2964.   | 2.4 | 27        |
| 25 | Structure, synthesis and biological properties of the pentacyclic guanidinium alkaloids. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 2817-2824.  | 1.4 | 25        |
| 26 | Direct Access to Highly Functionalized Heterocycles through the Condensation of Cyclic Imines and Î±-Oxoesters. <i>Journal of Organic Chemistry</i> , 2017, 82, 13714-13721.                         | 1.7 | 14        |
| 27 | Synthesis of 1,2,4-Oxadiazoles via DDQ-Mediated Oxidative Cyclization of Amidoximes. <i>Synthesis</i> , 2016, 48, 1902-1909.   | 1.2 | 20        |
| 28 | Stereocontrolled Synthesis of (+)-Plagiogyrin A. <i>Organic Letters</i> , 2016, 18, 5308-5311.   | 2.4 | 6         |
| 29 | Examining ubiquitinated peptide enrichment efficiency through anâ€šepitope labeled protein. <i>Analytical Biochemistry</i> , 2016, 512, 114-119.   | 1.1 | 0         |
| 30 | 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         |
| 31 | Synthesis of the 5,6-Dihydroxymorpholin-3-one Fragment of Monanchocidin A. <i>Organic Letters</i> , 2015, 17, 968-971.   | 2.4 | 22        |
| 32 | Rapid synthesis and antimicrobial activity of novel 4-oxazolidinone heterocycles. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 4887-4889.   | 1.0 | 17        |
| 33 | 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        |
| 34 | Synthesis of 1,4,2-Oxathiazoles via Oxidative Cyclization of Thiohydroxamic Acids. <i>Organic Letters</i> , 2015, 17, 4542-4545.   | 2.4 | 28        |
| 35 | Marine natural products synthesis as a driving force for chemical and biological discovery. <i>Planta Medica</i> , 2015, 81, .   | 0.7 | 0         |
| 36 | A Rapid Synthesis of 4â€šOxazolidinones: Total Synthesis of Synoxazolidinonesâ€¦A and B. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 5401-5404.                                     | 7.2 | 41        |

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|----|---|-----|-----------|
| 37 | Synthesis of Thiazolines by Copper Catalyzed Aminobromination of Thiohydroxamic Acids. <i>Organic Letters</i> , 2014, 16, 2074-2076.  | 2.4 | 27        |
| 38 | Synthesis of Thiohydroxamic Acids and Thiohydroxamic Acid Derivatives. <i>Journal of Organic Chemistry</i> , 2014, 79, 2321-2330.   | 1.7 | 19        |
| 39 | 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        |
| 40 | Synthesis of a library of tricyclic azepinoisoindolinones. <i>Beilstein Journal of Organic Chemistry</i> , 2012, 8, 1091-1097.  | 1.3 | 22        |
| 41 | Total Synthesis of $[\text{C}(\text{NH})\text{Tpg}^4]$ Vancomycin Aglycon, $[\text{C}(\text{NH})\text{NH}]\text{Tpg}^4$ Vancomycin Aglycon, and Related Key Compounds: Reengineering Vancomycin for Dual $d$ -Ala- $d$ -Ala and $d$ -Ala- $d$ -Lac Binding. <i>Journal of the American Chemical Society</i> , 2012, 134, 1284-1297. | 6.6 | 125       |
| 42 | Redesign of Glycopeptide Antibiotics: Back to the Future. <i>ACS Chemical Biology</i> , 2012, 7, 797-804.   | 1.6 | 120       |
| 43 | Large-Scale Asymmetric Synthesis of the Bioprotective Agent JP4-039 and Analogs. <i>Organic Letters</i> , 2011, 13, 2318-2321.  | 2.4 | 46        |
| 44 | A Redesigned Vancomycin Engineered for Dual $d$ -Ala- $d$ -Ala and $d$ -Ala- $d$ -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       |
| 45 | 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        |
| 46 | The mitochondria-targeted nitroxide JP4-039 augments potentially lethal irradiation damage repair. <i>In Vivo</i> , 2009, 23, 717-26.   | 0.6 | 44        |
| 47 | 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         |
| 48 | 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        |
| 49 | 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        |
| 50 | Expedient Synthesis of the $\text{C}$ -Glycoside Analogue of the Immunostimulant Galactosylceramide (KRN7000). <i>Organic Letters</i> , 2006, 8, 3375-3378.   | 2.4 | 46        |
| 51 | Synthesis of Homoallylic Amines by Hydrozirconation~Imine Addition of Allenes.. <i>ChemInform</i> , 2005, 36, no.   | 0.1 | 0         |
| 52 | Silver(I)-Catalyzed Addition of Zirconocenes to Glycal Epoxides. A New Synthesis of $\text{C}$ -Glycosides. <i>Organic Letters</i> , 2005, 7, 483-485.  | 2.4 | 37        |
| 53 | Synthesis of Homoallylic Amines by Hydrozirconation~Imine Addition of Allenes. <i>Organic Letters</i> , 2005, 7, 3537-3540.   | 2.4 | 42        |
| 54 | Investigation of ligand loading and asymmetric amplification in CHAOx-catalyzed asymmetric diethylzinc additions. <i>Tetrahedron: Asymmetry</i> , 2003, 14, 3605-3611.  | 1.8 | 7         |