# Dale L Boger

List of Publications by Year
in descending order

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|---|---|---|---|
| 530 papers | 35,217 citations | 2538 96 h-index | 8370 147 g-index |
| 552 all docs | 552 docs citations | 552 times ranked | 17980 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Tris(4-bromophenyl)aminium Hexachloroantimonate-Mediated Intermolecular C(sp<sup>2</sup>)â€“C(sp<sup>3</sup>) Free Radical Coupling of Vindoline with Î²-Ketoesters and Related Compounds. Journal of the American Chemical Society, 2022, 144, 495-502. | 6.6 | 7 |
| 2 | N1/N4 1,4-Cycloaddition of 1,2,4,5-Tetrazines with Enamines Promoted by the Lewis Acid ZnCl<sub>2</sub>. Journal of Organic Chemistry, 2022, 87, 6288-6301. | 1.7 | 4 |
| 3 | Mechanistic Insights into the Reaction of Amidines with 1,2,3-Triazines and 1,2,3,5-Tetrazines. Journal of the American Chemical Society, 2022, 144, 10921-10928. | 6.6 | 9 |
| 4 | Next-Generation Diprovocims with Potent Human and Murine TLR1/TLR2 Agonist Activity That Activate the Innate and Adaptive Immune Response. Journal of Medicinal Chemistry, 2022, 65, 9230-9252. | 2.9 | 2 |
| 5 | Chemical proteomic identification of functional cysteines with atypical electrophile reactivities. Tetrahedron Letters, 2021, 67, 152861. | 0.7 | 6 |
| 6 | Synthesis, structure-activity relationship studies and evaluation of a TLR 3/8/9 agonist and its analogues. Medicinal Chemistry Research, 2021, 30, 1377-1385. | 1.1 | 1 |
| 7 | Total synthesis of (â^')-4-desacetoxy-1-oxovindoline: Single atom exchange of an embedded core heteroatom in vindoline. Tetrahedron, 2021, 87, 132117. | 1.0 | 0 |
| 8 | Small Molecular Weapons against Multi-Drug Resistance. Accounts of Chemical Research, 2021, 54, 2785-2787. | 7.6 | 7 |
| 9 | Total Synthesis of (â^')-Strempeliopine. Journal of the American Chemical Society, 2021, 143, 12412-12417. | 6.6 | 18 |
| 10 | Reaction Scope of Methyl 1,2,3-Triazine-5-carboxylate with Amidines and the Impact of C4/C6 Substitution. Journal of Organic Chemistry, 2021, 86, 13465-13474. | 1.7 | 8 |
| 11 | Structural evolution of a DNA repair self-resistance mechanism targeting genotoxic secondary metabolites. Nature Communications, 2021, 12, 6942. | 5.8 | 5 |
| 12 | C1-CBP-vancomycin: Impact of a Vancomycin C-Terminus Trimethylammonium Cation on Pharmacological Properties and Insights into Its Newly Introduced Mechanism of Action. Journal of Organic Chemistry, 2020, 85, 1365-1375. | 1.7 | 21 |
| 13 | Total Synthesis of Meayamycin and O-Acyl Analogues. Organic Letters, 2020, 22, 8714-8719. | 2.4 | 9 |
| 14 | Divergent Total Syntheses of (â^')-Pseudocopsinine and (â^')-Minovincinine. Journal of Organic Chemistry, 2020, 85, 14817-14826. | 1.7 | 25 |
| 15 | Selective N1/N4 1,4-Cycloaddition of 1,2,4,5-Tetrazines Enabled by Solvent Hydrogen Bonding. Journal of the American Chemical Society, 2020, 142, 20778-20787. | 6.6 | 21 |
| 16 | The quest for supernatural products: the impact of total synthesis in complex natural products medicinal chemistry. Natural Product Reports, 2020, 37, 1511-1531. | 5.2 | 29 |
| 17 | Maxamycins: Durable Antibiotics Derived by Rational Redesign of Vancomycin. Accounts of Chemical Research, 2020, 53, 2587-2599. | 7.6 | 38 |
| 18 | Next-Generation Total Synthesis of Vancomycin. Journal of the American Chemical Society, 2020, 142, 16039-16050. | 6.6 | 42 |

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|---|---|---|---|
| 19 | Discovery of small-molecule enzyme activators by activity-based protein profiling. Nature Chemical Biology, 2020, 16, 997-1005. | 3.9 | 31 |
| 20 | Precise Targeted Cleavage of a r(CUG) Repeat Expansion in Cells by Using a Small-Moleculeâ€“Deglycobleomycin Conjugate. ACS Chemical Biology, 2020, 15, 849-855. | 1.6 | 15 |
| 21 | Vancomycin C-Terminus Guanidine Modifications and Further Insights into an Added Mechanism of Action Imparted by a Peripheral Structural Modification. ACS Infectious Diseases, 2020, 6, 2169-2180. | 1.8 | 28 |
| 22 | Triarylaminium Radical Cation Promoted Coupling of Catharanthine with Vindoline: Diastereospecific Synthesis of Anhydrovinblastine and Reaction Scope. Journal of the American Chemical Society, 2019, 141, 14349-14355. | 6.6 | 13 |
| 23 | Synthesis, Characterization, and Cycloaddition Reactivity of a Monocyclic Aromatic 1,2,3,5-Tetrazine. Journal of the American Chemical Society, 2019, 141, 16388-16397. | 6.6 | 27 |
| 24 | SAR studies of 4-acyl-1,6-dialkylpiperazin-2-one arenavirus cell entry inhibitors. Bioorganic and Medicinal Chemistry Letters, 2019, 29, 126620. | 1.0 | 7 |
| 25 | Total Synthesis and Stereochemical Assignment of Streptide. Journal of the American Chemical Society, 2019, 141, 17361-17369. | 6.6 | 38 |
| 26 | Inverse Electron Demand Dielsâ€“Alder Reactions of Heterocyclic Azadienes, 1-Aza-1,3-Butadienes, Cyclopropenone Ketals, and Related Systems. A Retrospective. Journal of Organic Chemistry, 2019, 84, 9397-9445. | 1.7 | 85 |
| 27 | Structural Basis of TLR2/TLR1 Activation by the Synthetic Agonist Diprovocim. Journal of Medicinal Chemistry, 2019, 62, 2938-2949. | 2.9 | 53 |
| 28 | N-Acyl pyrazoles: Effective and tunable inhibitors of serine hydrolases. Bioorganic and Medicinal Chemistry, 2019, 27, 1693-1703. | 1.4 | 18 |
| 29 | Ultra-potent vinblastine analogues improve on-target activity of the parent microtubulin-targeting compound. Bioorganic and Medicinal Chemistry Letters, 2019, 29, 1370-1374. | 1.0 | 5 |
| 30 | Exploration of the site-specific nature and generalizability of a trimethylammonium salt modification on vancomycin: A-ring derivatives. Tetrahedron, 2019, 75, 3160-3165. | 1.0 | 11 |
| 31 | A small molecule drug conjugate (SMDC) of DUPA and a duocarmycin built on the solid phase. MedChemComm, 2019, 10, 2170-2174. | 3.5 | 4 |
| 32 | Synthesis, Characterization, and Rapid Cycloadditions of 5-Nitro-1,2,3-triazine. Organic Letters, 2018, 20, 2628-2631. | 2.4 | 17 |
| 33 | Duocarmycin SA, a potent antitumor antibiotic, sensitizes glioblastoma cells to proton radiation. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 2688-2692. | 1.0 | 5 |
| 34 | High expression of class III Î²-tubulin has no impact on functional cancer cell growth inhibition of a series of key vinblastine analogs. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 863-865. | 1.0 | 7 |
| 35 | Diprovocims: A New and Exceptionally Potent Class of Toll-like Receptor Agonists. Journal of the American Chemical Society, 2018, 140, 14440-14454. | 6.6 | 35 |
| 36 | N-Terminus Alkylation of Vancomycin: Ligand Binding Affinity, Antimicrobial Activity, and Site-Specific Nature of Quaternary Trimethylammonium Salt Modification. ACS Infectious Diseases, 2018, 4, 1468-1474. | 1.8 | 24 |

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|---|---|---|---|
| 37 | Adjuvant effect of the novel TLR1/TLR2 agonist Diprovocim synergizes with antiâ€“PD-L1 to eliminate melanoma in mice. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E8698-E8706. | 3.3 | 77 |
| 38 | Total Syntheses of Vancomycin-Related Glycopeptide Antibiotics and Key Analogues. Chemical Reviews, 2017, 117, 11952-11993. | 23.0 | 116 |
| 39 | Design of Benzoxathiazin-3-one 1,1-Dioxides as a New Class of Irreversible Serine Hydrolase Inhibitors: Discovery of a Uniquely Selective PNPLA4 Inhibitor. Journal of the American Chemical Society, 2017, 139, 7052-7061. | 6.6 | 25 |
| 40 | Key analogs of a uniquely potent synthetic vinblastine that contain modifications of the C20â€² ethyl substituent. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 3055-3059. | 1.0 | 10 |
| 41 | Peripheral modifications of [Î¨[CH <sub>2</sub> NH]Tpg <sup>4</sup> ]vancomycin with added synergistic mechanisms of action provide durable and potent antibiotics. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E5052-E5061. | 3.3 | 165 |
| 42 | The Difference a Single Atom Can Make: Synthesis and Design at the Chemistryâ€“Biology Interface. Journal of Organic Chemistry, 2017, 82, 11961-11980. | 1.7 | 50 |
| 43 | Vinblastine 20â€² Amides: Synthetic Analogues That Maintain or Improve Potency and Simultaneously Overcome Pgp-Derived Efflux and Resistance. Journal of Medicinal Chemistry, 2017, 60, 7591-7604. | 2.9 | 19 |
| 44 | Direct Synthesis of Î²-Aminoenals through Reaction of 1,2,3-Triazine with Secondary Amines. Organic Letters, 2017, 19, 3568-3571. | 2.4 | 16 |
| 45 | Total synthesis of a key series of vinblastines modified at C4 that define the importance and surprising trends in activity. Chemical Science, 2017, 8, 1560-1569. | 3.7 | 19 |
| 46 | Synthesis of a Potent Vinblastine: Rationally Designed Added Benign Complexity. Journal of the American Chemical Society, 2016, 138, 8376-8379. | 6.6 | 36 |
| 47 | Small-Molecule Fusion Inhibitors Bind the pH-Sensing Stable Signal Peptide-GP2 Subunit Interface of the Lassa Virus Envelope Glycoprotein. Journal of Virology, 2016, 90, 6799-6807. | 1.5 | 34 |
| 48 | Discovery and Structureâ€“Activity Relationships of the Neoseptins: A New Class of Toll-like Receptor-4 (TLR4) Agonists. Journal of Medicinal Chemistry, 2016, 59, 4812-4830. | 2.9 | 30 |
| 49 | Catalysis of Heterocyclic Azadiene Cycloaddition Reactions by Solvent Hydrogen Bonding: Concise Total Synthesis of Methoxatin. Journal of the American Chemical Society, 2016, 138, 12408-12413. | 6.6 | 58 |
| 50 | Ultrapotent vinblastines in which added molecular complexity further disrupts the target tubulin dimerâ€“dimer interface. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 9691-9698. | 3.3 | 26 |
| 51 | FAAH inhibitor OL-135 disrupts contextual, but not auditory, fear conditioning in rats. Behavioural Brain Research, 2016, 308, 1-5. | 1.2 | 14 |
| 52 | Synthesis and evaluation of duocarmycin SA analogs incorporating the methyl 1,2,8,8a-tetrahydrocyclopropa[c]imidazolo[4,5-e]indol-4-one-6-carboxylate (CImI) alkylation subunit. Bioorganic and Medicinal Chemistry, 2016, 24, 4779-4786. | 1.4 | 3 |
| 53 | Tandem Intramolecular Dielsâ€“Alder/1,3-Dipolar Cycloaddition Cascade of 1,3,4-Oxadiazoles: Initial Scope and Applications. Accounts of Chemical Research, 2016, 49, 241-251. | 7.6 | 82 |
| 54 | TLR4/MD-2 activation by a synthetic agonist with no similarity to LPS. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E884-93. | 3.3 | 115 |

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|---|---|---|---|
| 55 | Total synthesis of dihydrolysergic acid and dihydrolysergol: development of a divergent synthetic strategy applicable to rapid assembly of D-ring analogs. Tetrahedron, 2015, 71, 5897-5905. | 1.0 | 38 |
| 56 | Comprehensive Analysis of Structureâ€“Activity Relationships of Î±-Ketoheterocycles as sn-1-Diacylglycerol Lipase Î± Inhibitors. Journal of Medicinal Chemistry, 2015, 58, 9742-9753. | 2.9 | 13 |
| 57 | Total Synthesis of Vinblastine, Related Natural Products, and Key Analogues and Development of Inspired Methodology Suitable for the Systematic Study of Their Structureâ€“Function Properties. Accounts of Chemical Research, 2015, 48, 653-662. | 7.6 | 160 |
| 58 | A five-membered lactone prodrug of CBI-based analogs of the duocarmycins. Tetrahedron Letters, 2015, 56, 3101-3104. | 0.7 | 4 |
| 59 | Total Syntheses and Initial Evaluation of [Î¨[C(â•S)NH]Tpg<sup>4</sup>]vancomycin, [Î¨[C(â•NH)NH]Tpg<sup>4</sup>]vancomycin, [Î¨[CH<sub>2</sub>NH]Tpg<sup>4</sup>]vancomycin, and Their (4-Chlorobiphenyl)methyl Derivatives: Synergistic Binding Pocket and Peripheral Modifications for the Glycopeptide Antibiotics. Journal of the American Chemical Society, 2015, 137, 3693-3704. | 6.6 | 77 |
| 60 | Cycloadditions of 1,2,3-Triazines Bearing C5-Electron Donating Substituents: Robust Pyrimidine Synthesis. Organic Letters, 2015, 17, 4002-4005. | 2.4 | 40 |
| 61 | When sugar is not so sweet. Science, 2015, 350, 275-276. | 6.0 | 4 |
| 62 | Total Synthesis of (â^')-Vindoline and (+)-4-epi-Vindoline Based on a 1,3,4-Oxadiazole Tandem Intramolecular [4 + 2]/[3 + 2] Cycloaddition Cascade Initiated by an Allene Dienophile. Organic Letters, 2015, 17, 5460-5463. | 2.4 | 45 |
| 63 | Total synthesis of (â^')-kopsinine and ent-(+)-kopsinine. Tetrahedron, 2015, 71, 3741-3746. | 1.0 | 27 |
| 64 | Î±-Ketoheterocycle inhibitors of fatty acid amide hydrolase: Exploration of conformational constraints in the acyl side chain. Bioorganic and Medicinal Chemistry, 2014, 22, 2763-2770. | 1.4 | 6 |
| 65 | Insights into the mechanism of streptonigrin-induced protein arginine deiminase inactivation. Bioorganic and Medicinal Chemistry, 2014, 22, 1362-1369. | 1.4 | 26 |
| 66 | Total Synthesis of [Î¨[C(â•NH)NH]Tpg<sup>4</sup>]Vancomycin and its (4-Chlorobiphenyl)methyl Derivative: Impact of Peripheral Modifications on Vancomycin Analogues Redesigned for Dual <scp>d</scp>-Ala-<scp>d</scp>-Ala and <scp>d</scp>-Ala-<scp>d</scp>-Lac Binding. Journal of the American Chemical Society, 2014, 136, 13522-13525. | 6.6 | 88 |
| 67 | Enzymatic Glycosylation of Vancomycin Aglycon: Completion of a Total Synthesis of Vancomycin and N- and C-Terminus Substituent Effects of the Aglycon Substrate. Organic Letters, 2014, 16, 3572-3575. | 2.4 | 48 |
| 68 | Asymmetric Synthesis of a CBI-Based Cyclic N-Acyl O-Amino Phenol Duocarmycin Prodrug. Journal of Organic Chemistry, 2014, 79, 9699-9703. | 1.7 | 9 |
| 69 | Design, Synthesis, and Characterization of Î±-Ketoheterocycles That Additionally Target the Cytosolic Port Cys269 of Fatty Acid Amide Hydrolase. Journal of Medicinal Chemistry, 2014, 57, 1079-1089. | 2.9 | 22 |
| 70 | Discovery libraries targeting the major enzyme classes: The serine hydrolases. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 3807-3813. | 1.0 | 10 |
| 71 | Cycloadditions of Noncomplementary Substituted 1,2,3-Triazines. Organic Letters, 2014, 16, 5084-5087. | 2.4 | 46 |
| 72 | Total Syntheses of (â^')-Kopsifoline D and (â^')-Deoxoapodine: Divergent Total Synthesis via Late-Stage Key Strategic Bond Formation. Journal of the American Chemical Society, 2014, 136, 3312-3317. | 6.6 | 95 |

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|---|---|---|---|
| 73 | Total Syntheses of (â˜)-Pyrimidoblamic Acid and P-3A. Journal of the American Chemical Society, 2014, 136, 2119-2125. | 6.6 | 39 |
| 74 | Inhibition of adenovirus replication by a trisubstituted piperazin-2-one derivative. Antiviral Research, 2014, 108, 65-73. | 1.9 | 26 |
| 75 | NMR-assisted computational studies of peptidomimetic inhibitors bound in the hydrophobic pocket of HIV-1 glycoprotein 41. Journal of Computer-Aided Molecular Design, 2013, 27, 569-582. | 1.3 | 7 |
| 76 | A Fundamental Relationship between Hydrophobic Properties and Biological Activity for the Duocarmycin Class of DNA-Alkylating Antitumor Drugs: Hydrophobic-Binding-Driven Bonding. Journal of Medicinal Chemistry, 2013, 56, 6845-6857. | 2.9 | 20 |
| 77 | Potent Vinblastine C20â€² Ureas Displaying Additionally Improved Activity Against a Vinblastine-Resistant Cancer Cell Line. ACS Medicinal Chemistry Letters, 2013, 4, 985-988. | 1.3 | 50 |
| 78 | Probing the Role of the Vancomycin E-Ring Aryl Chloride: Selective Divergent Synthesis and Evaluation of Alternatively Substituted E-Ring Analogues. Journal of Medicinal Chemistry, 2013, 56, 4116-4124. | 2.9 | 35 |
| 79 | Transannular Dielsâ€“Alder/1,3-Dipolar Cycloaddition Cascade of 1,3,4-Oxadiazoles: Total Synthesis of a Unique Set of Vinblastine Analogues. Organic Letters, 2013, 15, 5306-5309. | 2.4 | 39 |
| 80 | Investigation into the functional impact of the vancomycin C-ring aryl chloride. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 4817-4819. | 1.0 | 38 |
| 81 | A Remarkable Series of Vinblastine Analogues Displaying Enhanced Activity and an Unprecedented Tubulin Binding Steric Tolerance: C20â€² Urea Derivatives. Journal of Medicinal Chemistry, 2013, 56, 628-639. | 2.9 | 65 |
| 82 | Total Synthesis of Kopsinine. Organic Letters, 2013, 15, 868-870. | 2.4 | 68 |
| 83 | A Pd(0)-Mediated Indole (Macro)cyclization Reaction. Journal of the American Chemical Society, 2013, 135, 1600-1606. | 6.6 | 102 |
| 84 | Hypervalent Iodine(III)-Promoted Intermolecular Câ€“C Coupling of Vindoline with Î²-Ketoesters and Related Substrates. Organic Letters, 2013, 15, 1100-1103. | 2.4 | 27 |
| 85 | Total Synthesis and Evaluation of Vinblastine Analogues Containing Systematic Deep-Seated Modifications in the Vindoline Subunit Ring System: Core Redesign. Journal of Medicinal Chemistry, 2013, 56, 483-495. | 2.9 | 58 |
| 86 | Efficacious Cyclic N-Acyl O-Amino Phenol Duocarmycin Prodrugs. Journal of Medicinal Chemistry, 2013, 56, 4104-4115. | 2.9 | 16 |
| 87 | Rational Design of Fatty Acid Amide Hydrolase Inhibitors That Act by Covalently Bonding to Two Active Site Residues. Journal of the American Chemical Society, 2013, 135, 6289-6299. | 6.6 | 30 |
| 88 | Biological and Structural Evaluation of 10R- and 10S-Methylthio-DDACTHF Reveals a New Role for Sulfur in Inhibition of Glycinamide Ribonucleotide Transformylase. Biochemistry, 2013, 52, 5133-5144. | 1.2 | 7 |
| 89 | New Insights into the Mechanism and an Expanded Scope of the Fe(III)-Mediated Vinblastine Coupling Reaction. Journal of the American Chemical Society, 2012, 134, 13240-13243. | 6.6 | 57 |
| 90 | Î±-Ketoheterocycle-Based Inhibitors of Fatty Acid Amide Hydrolase (FAAH). ACS Chemical Neuroscience, 2012, 3, 340-348. | 1.7 | 32 |

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|---|---|---|---|
| 91 | The fatty acid amide hydrolase (FAAH) inhibitor PFâ€3845 acts in the nervous system to reverse LPSâ€induced tactile allodynia in mice. British Journal of Pharmacology, 2012, 165, 2485-2496. | 2.7 | 96 |
| 92 | Iron(III)/NaBH<sub>4</sub>-Mediated Additions to Unactivated Alkenes: Synthesis of Novel 20â€²-Vinblastine Analogues. Organic Letters, 2012, 14, 1428-1431. | 2.4 | 254 |
| 93 | Divergent Total Syntheses of (â^')-Aspidospermine and (+)-Spegazzinine. Organic Letters, 2012, 14, 2078-2081. | 2.4 | 56 |
| 94 | A Novel, Unusually Efficacious Duocarmycin Carbamate Prodrug That Releases No Residual Byproduct. Journal of Medicinal Chemistry, 2012, 55, 5878-5886. | 2.9 | 36 |
| 95 | 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. Journal of the American Chemical Society, 2012, 134, 8790-8793. | 6.6 | 74 |
| 96 | Total Synthesis of [Î·[C(â•S)NH]Tpg<sup>4</sup>]Vancomycin Aglycon, [Î·[C(â•NH)NH]Tpg<sup>4</sup>]Vancomycin Aglycon, and Related Key Compounds: Reengineering Vancomycin for Dual <scp>d</scp>-Ala-<scp>d</scp>-Ala and <scp>d</scp>-Ala-<scp>d</scp>-Lac Binding. Journal of the American Chemical Society, 2012, 134, 1284-1297. | 6.6 | 125 |
| 97 | Comprehensive Peptidomimetic Libraries Targeting Proteinâ€"Protein Interactions. Accounts of Chemical Research, 2012, 45, 1698-1709. | 7.6 | 94 |
| 98 | Redesign of Glycopeptide Antibiotics: Back to the Future. ACS Chemical Biology, 2012, 7, 797-804. | 1.6 | 120 |
| 99 | Fe(III)/NaBH<sub>4</sub>-Mediated Free Radical Hydrofluorination of Unactivated Alkenes. Journal of the American Chemical Society, 2012, 134, 13588-13591. | 6.6 | 289 |
| 100 | Discovery of HIV fusion inhibitors targeting gp41 using a comprehensive Î±-helix mimetic library. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 2861-2865. | 1.0 | 30 |
| 101 | Inhibitors of Fatty Acid Amide Hydrolase. , 2012, , 37-49. | | 0 |
| 102 | Synthesis and Stereochemical Determination of Complestatin A and B (Neuroprotectin A and B). Journal of the American Chemical Society, 2011, 133, 18495-18502. | 6.6 | 36 |
| 103 | Fluoride-Mediated Capture of a Noncovalent Bound State of a Reversible Covalent Enzyme Inhibitor: X-ray Crystallographic Analysis of an Exceptionally Potent Î±-Ketoheterocycle Inhibitor of Fatty Acid Amide Hydrolase. Journal of the American Chemical Society, 2011, 133, 4092-4100. | 6.6 | 33 |
| 104 | Asymmetric Synthesis of 1,2,9,9a-Tetrahydrocyclopropa[c]benzo[e]indol-4-one (CBI). Journal of Organic Chemistry, 2011, 76, 583-587. | 1.7 | 26 |
| 105 | Reversible Competitive Î±-Ketoheterocycle Inhibitors of Fatty Acid Amide Hydrolase Containing Additional Conformational Constraints in the Acyl Side Chain: Orally Active, Long-Acting Analgesics. Journal of Medicinal Chemistry, 2011, 54, 2805-2822. | 2.9 | 48 |
| 106 | Scope of the Inverse Electron Demand Dielsâ€"Alder Reactions of 1,2,3-Triazine. Organic Letters, 2011, 13, 2492-2494. | 2.4 | 67 |
| 107 | 10â€²-Fluorovinblastine and 10â€²-Fluorovincristine: Synthesis of a Key Series of Modified Vinca Alkaloids. ACS Medicinal Chemistry Letters, 2011, 2, 948-952. | 1.3 | 54 |
| 108 | Inverse Electron Demand Dielsâ€"Alder Reactions of 1,2,3-Triazines: Pronounced Substituent Effects on Reactivity and Cycloaddition Scope. Journal of the American Chemical Society, 2011, 133, 12285-12292. | 6.6 | 122 |

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|---|---|---|---|
| 109 | Design, Synthesis, and Validation of a Î²-Turn Mimetic Library Targeting Proteinâ€“Protein and Peptideâ€“Receptor Interactions. Journal of the American Chemical Society, 2011, 133, 10184-10194. | 6.6 | 74 |
| 110 | The discovery and development of inhibitors of fatty acid amide hydrolase (FAAH). Bioorganic and Medicinal Chemistry Letters, 2011, 21, 4674-4685. | 1.0 | 114 |
| 111 | A Redesigned Vancomycin Engineered for Dual <scp>d</scp>-Ala-<scp>d</scp>-Ala and <scp>d</scp>-Ala-<scp>d</scp>-Lac Binding Exhibits Potent Antimicrobial Activity Against Vancomycin-Resistant Bacteria. Journal of the American Chemical Society, 2011, 133, 13946-13949. | 6.6 | 133 |
| 112 | A Specific Interaction of Small Molecule Entry Inhibitors with the Envelope Glycoprotein Complex of the JunÃ¬n Hemorrhagic Fever Arenavirus. Journal of Biological Chemistry, 2011, 286, 6192-6200. | 1.6 | 39 |
| 113 | Total Synthesis, Assignment of the Relative and Absolute Stereochemistry, and Structural Reassignment of Phostriecin (aka Sultriecin). Journal of the American Chemical Society, 2010, 132, 2157-2159. | 6.6 | 30 |
| 114 | Synthesis and evaluation of duocarmycin SA analogs incorporating the methyl 1,2,8,8a-tetrahydrocyclopropa[c]oxazolo[2,3-e]indol-4-one-6-carboxylate (COI) alkylation subunit. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 1854-1857. | 1.0 | 9 |
| 115 | Small molecule peptidomimetic inhibitors of importin Î±/Î² mediated nuclear transport. Bioorganic and Medicinal Chemistry, 2010, 18, 7611-7620. | 1.4 | 23 |
| 116 | Synthesis and evaluation of a series of C5â€²-substituted duocarmycin SA analogs. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 2722-2725. | 1.0 | 10 |
| 117 | Fatty acid amide signaling molecules. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 5959-5968. | 1.0 | 119 |
| 118 | Catharanthine C16 substituent effects on the biomimetic coupling with vindoline: Preparation and evaluation of a key series of vinblastine analogues. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 6408-6410. | 1.0 | 45 |
| 119 | Identification of broad-based HIV-1 protease inhibitors from combinatorial libraries. Biochemical Journal, 2010, 429, 527-532. | 1.7 | 18 |
| 120 | Total Synthesis of (+)-Fendleridine (Aspidoalbidine) and (+)-1-Acetylaspidoalbidine. Journal of the American Chemical Society, 2010, 132, 3009-3012. | 6.6 | 111 |
| 121 | Design, Synthesis, and Evaluation of DuocarmycinO-Amino Phenol Prodrugs Subject to Tunable Reductive Activation. Journal of Medicinal Chemistry, 2010, 53, 7731-7738. | 2.9 | 31 |
| 122 | Synthesis and Characterization of a Cyclobutane Duocarmycin Derivative Incorporating the 1,2,10,11-Tetrahydro-9H-cyclobuta[c]benzo[e]indol-4-one (CbBI) Alkylation Subunit. Journal of the American Chemical Society, 2010, 132, 13936-13940. | 6.6 | 6 |
| 123 | Intramolecular [1 + 2] and [3 + 2] Cycloaddition Reactions of Cyclopropenone Ketals. Journal of the American Chemical Society, 2010, 132, 8527-8529. | 6.6 | 22 |
| 124 | Total Synthesis and Evaluation of a Key Series of C5-Substituted Vinblastine Derivatives. Journal of the American Chemical Society, 2010, 132, 8489-8495. | 6.6 | 61 |
| 125 | Total Synthesis of Complestatin: Development of a Pd(0)-Mediated Indole Annulation for Macrocyclization. Journal of the American Chemical Society, 2010, 132, 7776-7783. | 6.6 | 70 |
| 126 | Asymmetric Total Synthesis of Vindoline. Journal of the American Chemical Society, 2010, 132, 3685-3687. | 6.6 | 132 |

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|---|---|---|---|
| 127 | Synthesis and Evaluation of Selected Key Methyl Ether Derivatives of Vancomycin Aglycon. Journal of Medicinal Chemistry, 2010, 53, 7229-7235. | 2.9 | 23 |
| 128 | Intramolecular Dielsâ^'Alder Reactions of Cyclopropenone Ketals. Organic Letters, 2010, 12, 3540-3543. | 2.4 | 14 |
| 129 | Total Synthesis of Lycogarubin C and Lycogalic Acid. Organic Letters, 2010, 12, 1132-1134. | 2.4 | 60 |
| 130 | Total Synthesis and Evaluation of Phostriecin and Key Structural Analogues. Journal of Organic Chemistry, 2010, 75, 7505-7513. | 1.7 | 26 |
| 131 | Asymmetric Total Synthesis of Vindorosine, Vindoline, and Key Vinblastine Analogues. Journal of the American Chemical Society, 2010, 132, 13533-13544. | 6.6 | 135 |
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