Dale L Boger

List of Publications by Year in Descending Order

526 papers	30,751 citations	89 h-index	137 g-index
552 ext. papers	33,120 ext. citations	9.1 avg, IF	7.28 L-index

#	Paper	IF	Citations
526	Structural evolution of a DNA repair self-resistance mechanism targeting genotoxic secondary metabolites. *Nature Communications*, **2021**, 12, 6942	17.4	2
525	Chemical proteomic identification of functional cysteines with atypical electrophile reactivities. *Tetrahedron Letters*, **2021**, 67, 152861-152861	2	3
524	Synthesis, structure-activity relationship studies and evaluation of a TLR 3/8/9 agonist and its analogues. *Medicinal Chemistry Research*, **2021**, 30, 1377-1385	2.2	
523	Total Synthesis of (-)-Strempeliopine. *Journal of the American Chemical Society*, **2021**, 143, 12412-12417	16.4	7
522	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	4.2	3
521	Discovery of small-molecule enzyme activators by activity-based protein profiling. *Nature Chemical Biology*, **2020**, 16, 997-1005	11.7	14
520	Precise Targeted Cleavage of a r(CUG) Repeat Expansion in Cells by Using a Small-Molecule-Deglycobleomycin Conjugate. *ACS Chemical Biology*, **2020**, 15, 849-855	4.9	9
519	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	5.5	12
518	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	4.2	9
517	Total Synthesis of Meayamycin and -Acyl Analogues. *Organic Letters*, **2020**, 22, 8714-8719	6.2	4
516	Divergent Total Syntheses of (-)-Pseudocopsinine and (-)-Minovincinine. *Journal of Organic Chemistry*, **2020**, 85, 14817-14826	4.2	11
515	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	16.4	8
514	The quest for supernatural products: the impact of total synthesis in complex natural products medicinal chemistry. *Natural Product Reports*, **2020**, 37, 1511-1531	15.1	13
513	Maxamycins: Durable Antibiotics Derived by Rational Redesign of Vancomycin. *Accounts of Chemical Research*, **2020**, 53, 2587-2599	24.3	12
512	Next-Generation Total Synthesis of Vancomycin. *Journal of the American Chemical Society*, **2020**, 142, 16039-16050	16.4	15
511	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	16.4	4
510	Synthesis, Characterization, and Cycloaddition Reactivity of a Monocyclic Aromatic 1,2,3,5-Tetrazine. *Journal of the American Chemical Society*, **2019**, 141, 16388-16397	16.4	14

509	SAR studies of 4-acyl-1,6-dialkylpiperazin-2-one arenavirus cell entry inhibitors. *Bioorganic and Medicinal Chemistry Letters*, **2019**, 29, 126620	2.9	3
508	Total Synthesis and Stereochemical Assignment of Streptide. *Journal of the American Chemical Society*, **2019**, 141, 17361-17369	16.4	16
507	Inverse Electron Demand Diels-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	4.2	48
506	Structural Basis of TLR2/TLR1 Activation by the Synthetic Agonist Diprovocim. *Journal of Medicinal Chemistry*, **2019**, 62, 2938-2949	8.3	27
505	N-Acyl pyrazoles: Effective and tunable inhibitors of serine hydrolases. *Bioorganic and Medicinal Chemistry*, **2019**, 27, 1693-1703	3.4	11
504	Ultra-potent vinblastine analogues improve on-target activity of the parent microtubulin-targeting compound. *Bioorganic and Medicinal Chemistry Letters*, **2019**, 29, 1370-1374	2.9	3
503	Exploration of the site-specific nature and generalizability of a trimethylammonium salt modification on vancomycin: A-ring derivatives. *Tetrahedron*, **2019**, 75, 3160-3165	2.4	5
502	A small molecule drug conjugate (SMDC) of DUPA and a duocarmycin built on the solid phase. *MedChemComm*, **2019**, 10, 2170-2174	5	3
501	Synthesis, Characterization, and Rapid Cycloadditions of 5-Nitro-1,2,3-triazine. *Organic Letters*, **2018**, 20, 2628-2631	6.2	12
500	Duocarmycin SA, a potent antitumor antibiotic, sensitizes glioblastoma cells to proton radiation. *Bioorganic and Medicinal Chemistry Letters*, **2018**, 28, 2688-2692	2.9	3
499	High expression of class III Ɛtubulin 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	2.9	6
498	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	5.5	13
497	Adjuvant effect of the novel TLR1/TLR2 agonist Diprovocim synergizes with anti-PD-L1 to eliminate melanoma in mice. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E8698-E8706	11.5	55
496	Diprovocims: A New and Exceptionally Potent Class of Toll-like Receptor Agonists. *Journal of the American Chemical Society*, **2018**, 140, 14440-14454	16.4	21
495	Total Syntheses of Vancomycin-Related Glycopeptide Antibiotics and Key Analogues. *Chemical Reviews*, **2017**, 117, 11952-11993	68.1	76
494	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	16.4	17
493	Key analogs of a uniquely potent synthetic vinblastine that contain modifications of the C20Pethyl substituent. *Bioorganic and Medicinal Chemistry Letters*, **2017**, 27, 3055-3059	2.9	9
492	Peripheral modifications of [[CHNH]Tpg]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	11.5	116

491	The Difference a Single Atom Can Make: Synthesis and Design at the Chemistry-Biology Interface. *Journal of Organic Chemistry*, **2017**, 82, 11961-11980	4.2	34
490	Vinblastine 20PAmides: Synthetic Analogues That Maintain or Improve Potency and Simultaneously Overcome Pgp-Derived Efflux and Resistance. *Journal of Medicinal Chemistry*, **2017**, 60, 7591-7604	8.3	15
489	Direct Synthesis of Aminoenals through Reaction of 1,2,3-Triazine with Secondary Amines. *Organic Letters*, **2017**, 19, 3568-3571	6.2	9
488	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	9.4	13
487	Catalysis of Heterocyclic Azadiene Cycloaddition Reactions by Solvent Hydrogen Bonding: Concise Total Synthesis of Methoxatin. *Journal of the American Chemical Society*, **2016**, 138, 12408-13	16.4	46
486	Ultrapotent vinblastines in which added molecular complexity further disrupts the target tubulin dimer-dimer interface. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 9691-8	11.5	19
485	FAAH inhibitor OL-135 disrupts contextual, but not auditory, fear conditioning in rats. *Behavioural Brain Research*, **2016**, 308, 1-5	3.4	11
484	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	3.4	1
483	Tandem Intramolecular Diels-Alder/1,3-Dipolar Cycloaddition Cascade of 1,3,4-Oxadiazoles: Initial Scope and Applications. *Accounts of Chemical Research*, **2016**, 49, 241-51	24.3	65
482	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	11.5	94
481	Synthesis of a Potent Vinblastine: Rationally Designed Added Benign Complexity. *Journal of the American Chemical Society*, **2016**, 138, 8376-9	16.4	29
480	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, 6799-807	6.6	19
479	Discovery and Structure-Activity Relationships of the Neoseptins: A New Class of Toll-like Receptor-4 (TLR4) Agonists. *Journal of Medicinal Chemistry*, **2016**, 59, 4812-30	8.3	20
478	A five-membered lactone prodrug of CBI-based analogs of the duocarmycins. *Tetrahedron Letters*, **2015**, 56, 3101-3104	2	1
477	Total syntheses and initial evaluation of [[C(?S)NH]Tpg]vancomycin, [[C(?NH)NH]Tpg]vancomycin, [[CHNH]Tpg]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, 3693-704	16.4	67
476	Cycloadditions of 1,2,3-Triazines Bearing C5-Electron Donating Substituents: Robust Pyrimidine Synthesis. *Organic Letters*, **2015**, 17, 4002-5	6.2	28
475	ORGANIC SYNTHESIS. When sugar is not so sweet. *Science*, **2015**, 350, 275-6	33.3	4
474	Total Synthesis of (-)-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, 5460-3	6.2	38

473	Total synthesis of (-)-kopsinine and -(+)-kopsinine. *Tetrahedron*, **2015**, 71, 3741-3746	2.4	23
472	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	2.4	27
471	Comprehensive Analysis of Structure-Activity Relationships of -Ketoheterocycles as sn-1-Diacylglycerol Lipase -Inhibitors. *Journal of Medicinal Chemistry*, **2015**, 58, 9742-53	8.3	12
470	Total synthesis of vinblastine, related natural products, and key analogues and development of inspired methodology suitable for the systematic study of their structure-function properties. *Accounts of Chemical Research*, **2015**, 48, 653-62	24.3	114
469	-Ketoheterocycle inhibitors of fatty acid amide hydrolase: exploration of conformational constraints in the acyl side chain. *Bioorganic and Medicinal Chemistry*, **2014**, 22, 2763-70	3.4	6
468	Insights into the mechanism of streptonigrin-induced protein arginine deiminase inactivation. *Bioorganic and Medicinal Chemistry*, **2014**, 22, 1362-9	3.4	22
467	Total synthesis of [[C(?NH)NH]Tpg(4)]vancomycin and its (4-chlorobiphenyl)methyl derivative: impact of peripheral modifications on vancomycin analogues redesigned for dual D-Ala-D-Ala and D-Ala-D-Lac binding. *Journal of the American Chemical Society*, **2014**, 136, 13522-5	16.4	73
466	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, 3572-5	6.2	44
465	Asymmetric synthesis of a CBI-based cyclic N-acyl O-amino phenol duocarmycin prodrug. *Journal of Organic Chemistry*, **2014**, 79, 9699-703	4.2	6
464	Design, synthesis, and characterization of -ketoheterocycles that additionally target the cytosolic port Cys269 of fatty acid amide hydrolase. *Journal of Medicinal Chemistry*, **2014**, 57, 1079-89	8.3	17
463	Discovery libraries targeting the major enzyme classes: the serine hydrolases. *Bioorganic and Medicinal Chemistry Letters*, **2014**, 24, 3807-13	2.9	8
462	Cycloadditions of noncomplementary substituted 1,2,3-triazines. *Organic Letters*, **2014**, 16, 5084-7	6.2	33
461	Total syntheses of (-)-kopsifoline D and (-)-deoxoapodine: divergent total synthesis via late-stage key strategic bond formation. *Journal of the American Chemical Society*, **2014**, 136, 3312-7	16.4	77
460	Total syntheses of (-)-pyrimidoblamic acid and P-3A. *Journal of the American Chemical Society*, **2014**, 136, 2119-25	16.4	32
459	Inhibition of adenovirus replication by a trisubstituted piperazin-2-one derivative. *Antiviral Research* , **2014**, 108, 65-73	10.8	20
458	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, 569-82	4.2	6
457	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, 6845-57	8.3	11
456	Potent Vinblastine C20PUreas Displaying Additionally Improved Activity Against a Vinblastine-Resistant Cancer Cell Line. *ACS Medicinal Chemistry Letters*, **2013**, 4,	4.3	47

455	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, 4116-24	8.3	31
454	Transannular Diels-Alder/1,3-dipolar cycloaddition cascade of 1,3,4-oxadiazoles: total synthesis of a unique set of vinblastine analogues. *Organic Letters*, **2013**, 15, 5306-9	6.2	32
453	Investigation into the functional impact of the vancomycin C-ring aryl chloride. *Bioorganic and Medicinal Chemistry Letters*, **2013**, 23, 4817-9	2.9	34
452	A remarkable series of vinblastine analogues displaying enhanced activity and an unprecedented tubulin binding steric tolerance: C20Purea derivatives. *Journal of Medicinal Chemistry*, **2013**, 56, 628-39	8.3	60
451	Total synthesis of kopsinine. *Organic Letters*, **2013**, 15, 868-70	6.2	61
450	A Pd(0)-mediated indole (macro)cyclization reaction. *Journal of the American Chemical Society*, **2013**, 135, 1600-6	16.4	94
449	Hypervalent iodine(III)-promoted intermolecular C-C coupling of vindoline with β-ketoesters and related substrates. *Organic Letters*, **2013**, 15, 1100-3	6.2	21
448	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, 483-95	8.3	51
447	Efficacious cyclic N-acyl O-amino phenol duocarmycin prodrugs. *Journal of Medicinal Chemistry*, **2013**, 56, 4104-15	8.3	15
446	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, 6289-99	16.4	28
445	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, 5133-44	3.2	6
444	Discovery of HIV fusion inhibitors targeting gp41 using a comprehensive α-helix mimetic library. *Bioorganic and Medicinal Chemistry Letters*, **2012**, 22, 2861-5	2.9	29
443	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, 13240-3	16.4	50
442	α-Ketoheterocycle-based Inhibitors of Fatty Acid Amide Hydrolase (FAAH). *ACS Chemical Neuroscience*, **2012**, 3, 340-348	5.7	29
441	The fatty acid amide hydrolase (FAAH) inhibitor PF-3845 acts in the nervous system to reverse LPS-induced tactile allodynia in mice. *British Journal of Pharmacology*, **2012**, 165, 2485-96	8.6	87
440	Iron(III)/NaBH4-mediated additions to unactivated alkenes: synthesis of novel 20Pvinblastine analogues. *Organic Letters*, **2012**, 14, 1428-31	6.2	216
439	Divergent total syntheses of (-)-aspidospermine and (+)-spegazzinine. *Organic Letters*, **2012**, 14, 2078-81	6.2	53
438	A novel, unusually efficacious duocarmycin carbamate prodrug that releases no residual byproduct. *Journal of Medicinal Chemistry*, **2012**, 55, 5878-86	8.3	33

437	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, 8790-3	16.4	64
436	Total synthesis of [[C(?S)NH]Tpg4]vancomycin aglycon, [[C(?NH)NH]Tpg4]vancomycin aglycon, and related key compounds: reengineering vancomycin for dual D-Ala-D-Ala and D-Ala-D-Lac binding. *Journal of the American Chemical Society*, **2012**, 134, 1284-97	16.4	113
435	Comprehensive peptidomimetic libraries targeting protein-protein interactions. *Accounts of Chemical Research*, **2012**, 45, 1698-709	24.3	82
434	Redesign of glycopeptide antibiotics: back to the future. *ACS Chemical Biology*, **2012**, 7, 797-804	4.9	109
433	Fe(III)/NaBH4-mediated free radical hydrofluorination of unactivated alkenes. *Journal of the American Chemical Society*, **2012**, 134, 13588-91	16.4	237
432	Inhibitors of Fatty Acid Amide Hydrolase **2012**, 37-49		
431	Reversible competitive -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, 2805-22	8.3	46
430	Scope of the inverse electron demand Diels-Alder reactions of 1,2,3-triazine. *Organic Letters*, **2011**, 13, 2492-4	6.2	55
429	10PFluorovinblastine and 10PFluorovincristine: Synthesis of a Key Series of Modified Vinca Alkaloids. *ACS Medicinal Chemistry Letters*, **2011**, 2, 948-952	4.3	51
428	Inverse electron demand Diels-Alder reactions of 1,2,3-triazines: pronounced substituent effects on reactivity and cycloaddition scope. *Journal of the American Chemical Society*, **2011**, 133, 12285-92	16.4	96
427	Design, synthesis, and validation of a -turn mimetic library targeting protein-protein and peptide-receptor interactions. *Journal of the American Chemical Society*, **2011**, 133, 10184-94	16.4	65
426	The discovery and development of inhibitors of fatty acid amide hydrolase (FAAH). *Bioorganic and Medicinal Chemistry Letters*, **2011**, 21, 4674-85	2.9	105
425	A redesigned vancomycin engineered for dual D-Ala-D-ala And D-Ala-D-Lac binding exhibits potent antimicrobial activity against vancomycin-resistant bacteria. *Journal of the American Chemical Society*, **2011**, 133, 13946-9	16.4	118
424	Synthesis and stereochemical determination of complestatin A and B (neuroprotectin A and B). *Journal of the American Chemical Society*, **2011**, 133, 18495-502	16.4	29
423	Fluoride-mediated capture of a noncovalent bound state of a reversible covalent enzyme inhibitor: X-ray crystallographic analysis of an exceptionally potent -ketoheterocycle inhibitor of fatty acid amide hydrolase. *Journal of the American Chemical Society*, **2011**, 133, 4092-100	16.4	31
422	Asymmetric synthesis of 1,2,9,9a-tetrahydrocyclopropa[c]benzo[e]indol-4-one (CBI). *Journal of Organic Chemistry*, **2011**, 76, 583-7	4.2	24
421	A specific interaction of small molecule entry inhibitors with the envelope glycoprotein complex of the Jun hemorrhagic fever arenavirus. *Journal of Biological Chemistry*, **2011**, 286, 6192-200	5.4	32
420	Identification of broad-based HIV-1 protease inhibitors from combinatorial libraries. *Biochemical Journal*, **2010**, 429, 527-32	3.8	17

419	Total synthesis of (+)-fendleridine (aspidoalbidine) and (+)-1-acetylaspidoalbidine. *Journal of the American Chemical Society*, **2010**, 132, 3009-12	16.4	99
418	Design, synthesis, and evaluation of duocarmycin O-amino phenol prodrugs subject to tunable reductive activation. *Journal of Medicinal Chemistry*, **2010**, 53, 7731-8	8.3	27
417	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, 13936-40	16.4	6
416	Intramolecular [1 + 2] and [3 + 2] cycloaddition reactions of cyclopropenone ketals. *Journal of the American Chemical Society*, **2010**, 132, 8527-9	16.4	19
415	Total synthesis and evaluation of a key series of C5-substituted vinblastine derivatives. *Journal of the American Chemical Society*, **2010**, 132, 8489-95	16.4	56
414	Total synthesis of complestatin: development of a Pd(0)-mediated indole annulation for macrocyclization. *Journal of the American Chemical Society*, **2010**, 132, 7776-83	16.4	61
413	Asymmetric total synthesis of vindoline. *Journal of the American Chemical Society*, **2010**, 132, 3685-7	16.4	125
412	Synthesis and evaluation of selected key methyl ether derivatives of vancomycin aglycon. *Journal of Medicinal Chemistry*, **2010**, 53, 7229-35	8.3	17
411	Intramolecular Diels-Alder reactions of cyclopropenone ketals. *Organic Letters*, **2010**, 12, 3540-3	6.2	12
410	Total synthesis of lycogarubin C and lycogalic acid. *Organic Letters*, **2010**, 12, 1132-4	6.2	50
409	Total synthesis and evaluation of phostriecin and key structural analogues. *Journal of Organic Chemistry*, **2010**, 75, 7505-13	4.2	24
408	Asymmetric total synthesis of vindorosine, vindoline, and key vinblastine analogues. *Journal of the American Chemical Society*, **2010**, 132, 13533-44	16.4	123
407	X-ray crystallographic analysis of alpha-ketoheterocycle inhibitors bound to a humanized variant of fatty acid amide hydrolase. *Journal of Medicinal Chemistry*, **2010**, 53, 230-40	8.3	49
406	Total synthesis, assignment of the relative and absolute stereochemistry, and structural reassignment of phostriecin (aka Sultriecin). *Journal of the American Chemical Society*, **2010**, 132, 2157-9	16.4	26
405	Diels-alder Reactions of Azadienes: Scope and Applications. *Bulletin Des Soci□s Chimiques Belges*, **2010**, 99, 599-615		30
404	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, 1854-7	2.9	8
403	Small molecule peptidomimetic inhibitors of importin □-mediated nuclear transport. *Bioorganic and Medicinal Chemistry*, **2010**, 18, 7611-20	3.4	19
402	Synthesis and evaluation of a series of C5-substituted duocarmycin SA analogs. *Bioorganic and Medicinal Chemistry Letters*, **2010**, 20, 2722-5	2.9	6

401	Fatty acid amide signaling molecules. *Bioorganic and Medicinal Chemistry Letters*, **2010**, 20, 5959-68	2.9	107
400	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, 6408-10	2.9	39
399	Methods to characterize the effect of DNA-modifying compounds on nucleosomal DNA. *Methods in Molecular Biology*, **2010**, 613, 173-92	1.4	
398	Structure-activity relationship studies of fostriecin, cytostatin, and key analogs, with PP1, PP2A, PP5, and(beta12-beta13)-chimeras (PP1/PP2A and PP5/PP2A), provide further insight into the inhibitory actions of fostriecin family inhibitors. *Journal of Pharmacology and Experimental Therapeutics*, **2009**, 331, 45-53	4.7	40
397	Endocannabinoid modulation of scratching response in an acute allergenic model: a new prospective neural therapeutic target for pruritus. *Journal of Pharmacology and Experimental Therapeutics*, **2009**, 329, 314-23	4.7	63
396	CSI-FID: high throughput label-free detection of DNA binding molecules. *Bioorganic and Medicinal Chemistry Letters*, **2009**, 19, 3779-82	2.9	21
395	Functional and biochemical analysis of a key series of ramoplanin analogues. *Bioorganic and Medicinal Chemistry Letters*, **2009**, 19, 6189-91	2.9	18
394	Synthesis of the Chlorofusin Cyclic Peptide. *Tetrahedron*, **2009**, 65, 3281-3284	2.4	6
393	Synthesis and Preliminary Evaluation of Duocarmycin Analogues Incorporating the 1,2,11,11a-Tetrahydrocyclopropa[c]naphtho[2,3-e]indol-4-one (CNI) and 1,2,11,11a-Tetrahydrocyclopropa[c]naphtho[1,2-e]indol-4-one (iso-CNI) Alkylation Subunits. *Tetrahedron*, **2009**, 65, 6591-6599	2.4	7
392	Evaluation of Chlorofusin, its Seven Chromophore Diastereomers, and Key Analogues. *Tetrahedron Letters*, **2009**, 50, 3151-3153	2	8
391	Characterization of lassa virus cell entry inhibitors: determination of the active enantiomer by asymmetric synthesis. *Bioorganic and Medicinal Chemistry Letters*, **2009**, 19, 3771-4	2.9	22
390	Small molecule inhibitors of Myc/Max dimerization and Myc-induced cell transformation. *Bioorganic and Medicinal Chemistry Letters*, **2009**, 19, 6038-41	2.9	49
389	Synthesis and evaluation of a thio analogue of duocarmycin SA. *Bioorganic and Medicinal Chemistry Letters*, **2009**, 19, 6962-5	2.9	13
388	Discovery of inhibitors of aberrant gene transcription from Libraries of DNA binding molecules: inhibition of LEF-1-mediated gene transcription and oncogenic transformation. *Journal of the American Chemical Society*, **2009**, 131, 3342-8	16.4	32
387	Total synthesis of chloropeptin II (complestatin) and chloropeptin I. *Journal of the American Chemical Society*, **2009**, 131, 16036-8	16.4	79
386	Binding and inactivation mechanism of a humanized fatty acid amide hydrolase by alpha-ketoheterocycle inhibitors revealed from cocrystal structures. *Journal of the American Chemical Society*, **2009**, 131, 10497-506	16.4	80
385	Total synthesis and evaluation of iso-duocarmycin SA and iso-yatakemycin. *Journal of the American Chemical Society*, **2009**, 131, 1187-94	16.4	36
384	Synthesis and evaluation of vancomycin aglycon analogues that bear modifications in the N-terminal D-leucyl amino acid. *Journal of Medicinal Chemistry*, **2009**, 52, 1471-6	8.3	33

383	Design, synthesis, and evaluation of an alpha-helix mimetic library targeting protein-protein interactions. *Journal of the American Chemical Society*, **2009**, 131, 5564-72	16.4	131
382	Total synthesis of vinblastine, vincristine, related natural products, and key structural analogues. *Journal of the American Chemical Society*, **2009**, 131, 4904-16	16.4	247
381	The isolation, total synthesis and structure elucidation of chlorofusin, a natural product inhibitor of the p53-mDM2 protein-protein interaction. *Natural Product Reports*, **2009**, 26, 465-77	15.1	36
380	Fundamental relationships between structure, reactivity, and biological activity for the duocarmycins and CC-1065. *Journal of Medicinal Chemistry*, **2009**, 52, 5771-80	8.3	104
379	Total Synthesis of Vindoline and Related Alkaloids. *Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry*, **2009**, 67, 123-133	0.2	2
378	Yatakemycin: total synthesis, DNA alkylation, and biological properties. *Natural Product Reports*, **2008**, 25, 220-6	15.1	61
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1	Preparation and Diels-Alder Reaction of a Reactive, Electron-Deficient Heterocyclic Azadiene: Dimethyl 1,2,4,5-Tetrazine-3,6-Dicarboxylate. 1,2-Diazine (Dimethyl 4-Phenyl-1,2-Diazine-3,6-Dicarboxylate) and Pyrrole (Dimethyl 3-Phenylpyrrole-2,5-Dicarboxylate) Introduction79-79		1