Stephen Hanessian

List of Publications by Year in Descending Order

336 papers	11,141 citations	52 h-index	85 g-index
376 ext. papers	11,966 ext. citations	5.4 avg, IF	6.27 L-index

#	Paper	IF	Citations
336	Catalytic properties of 4,5-bridged proline methano- and ethanologues in the Hajos-Parrish intramolecular aldol reaction. *Organic Chemistry Frontiers*, **2022**, 9, 649-659	5.2	0
335	Surprising Chemistry of 6-Azidotetrazolo[5,1-]phthalazine: What a Purported Natural Product Reveals about the Polymorphism of Explosives.. *Journal of Organic Chemistry*, **2022**, 87, 6680-6694	4.2	2
334	Design of Pseudodiproline Dimers as Mimetics of Pro-Pro Units: Stereocontrolled Synthesis, Configurational Relevance, and Structural Properties. *Journal of Organic Chemistry*, **2021**, 86, 16834-16847	4.2	1
333	Drug-like sphingolipid SH-BC-893 opposes ceramide-induced mitochondrial fission and corrects diet-induced obesity. *EMBO Molecular Medicine*, **2021**, 13, e13086	12	3
332	Stereoselective Synthesis of Oxabicyclic Pyrrolidines of Medicinal Relevance: Merging Chemoenzymatic and Catalytic Methods. *European Journal of Organic Chemistry*, **2021**, 2021, 274-283	3.2	0
331	Design and Synthesis of Backbone-Fused, Conformationally Constrained Morpholine-Proline Chimeras. *Journal of Organic Chemistry*, **2020**, 85, 4237-4247	4.2	5
330	Synthetic Sphingolipids with 1,2-Pyridazine Appendages Improve Antiproliferative Activity in Human Cancer Cell Lines. *ACS Medicinal Chemistry Letters*, **2020**, 11, 686-690	4.3	4
329	Total Synthesis and Stereochemical Confirmation of (-)-Olivil, (+)-Cycloolivil, (-)-Alashinols F and G, (+)-Cephafortin A, and Their Congeners: Filling in Biosynthetic Gaps. *Organic Letters*, **2020**, 22, 3345-3350	6.2	2
328	Cyanide-Free Synthesis of Air Stable N-Substituted Li and K Cyanamide Salts from Tetrazoles. Applications toward the Synthesis of Primary and Secondary Cyanamides as Precursors to Amidines. *Organic Letters*, **2020**, 22, 8487-8491	6.2	2
327	Ni-Catalyzed Reductive and Merged Photocatalytic Cross-Coupling Reactions toward sp/sp-Functionalized Isoquinolones: Creating Diversity at C-6 and C-7 to Address Bioactive Analogues. *ACS Omega*, **2020**, 5, 27591-27606	3.9	5
326	Design And Synthesis Of An Azabicyclic Nucleoside Phosphoramidite For Oligonucleotide Antisense Constructs. *Nucleosides, Nucleotides and Nucleic Acids*, **2020**, 39, 384-406	1.4	
325	Reductive Fragmentation of Tetrazoles: Mechanistic Insights and Applications toward the Stereocontrolled Synthesis of 2,6-Polysubstituted Morpholines. *Organic Letters*, **2019**, 21, 6593-6596	6.2	7
324	Design, synthesis and anticancer activity of constrained sphingolipid-phenoxazine/phenothiazine hybrid constructs targeting protein phosphatase 2A. *Bioorganic and Medicinal Chemistry Letters*, **2019**, 29, 2681-2685	2.9	1
323	Synthesis of 1',2'-methano-2',3'-dideoxynucleosides as potential antivirals. *Bioorganic and Medicinal Chemistry Letters*, **2019**, 29, 597-600	2.9	0
322	Dynamic Phosphoproteomics Uncovers Signaling Pathways Modulated by Anti-oncogenic Sphingolipid Analogs. *Molecular and Cellular Proteomics*, **2019**, 18, 408-422	7.6	8
321	Conception and Synthesis of Oxabicyclic Nucleoside Phosphonates as Internucleotidic Phosphate Surrogates in Antisense Oligonucleotide Constructs. *Organic Letters*, **2018**, 20, 5296-5299	6.2	7
320	Design and synthesis of bridged piperidine and piperazine isosteres. *Bioorganic and Medicinal Chemistry Letters*, **2018**, 28, 2627-2630	2.9	3

319	In search of constrained FTY720 and phytosphingosine analogs as dual acting anticancer agents targeting metabolic and epigenetic pathways. *European Journal of Medicinal Chemistry*, **2018**, 159, 217-242	6.8	5
318	Structure-Based Design of a Eukaryote-Selective Antiprotozoal Fluorinated Aminoglycoside. *ChemMedChem*, **2018**, 13, 1541-1548	3.7	0
317	Studies directed toward the asialoglycoprotein receptor mediated delivery of 5-fluoro-2'-deoxyuridine for hepatocellular carcinoma. *Bioorganic and Medicinal Chemistry Letters*, **2018**, 28, 2652-2654	2.9	1
316	Total Synthesis and Absolute Stereochemical Assignment of the Insecticidal Metabolites Yaequinolones J1 and J2. *Organic Letters*, **2018**, 20, 4277-4280	6.2	12
315	Recent Progress in the Chemistry of Daphniphyllum Alkaloids *Chemical Reviews*, **2017**, 117, 4104-4146	68.1	96
314	Metal Coordination Controlled and Bifunctional H-Bonded Catalysis in Stereoselective Intramolecular Aldol Cyclizations toward Carbocyclic Tertiary Ketols. *European Journal of Organic Chemistry*, **2017**, 2017, 2631-2636	3.2	2
313	Properties of the Amide Bond Involving Proline 4,5-methanologues: an Experimental and Theoretical Study. *Israel Journal of Chemistry*, **2017**, 57, 292-302	3.4	3
312	Catalytic asymmetric Friedel rafts synthesis of 1,1?-diaryl-2-substituted 4-pentenes enables stereoselective access to functionalized tetrahydronaphthalenes. *Canadian Journal of Chemistry*, **2017**, 95, 1323-1331	0.9	
311	Design and synthesis of novel N-sulfonyl-2-indoles that behave as 5-HT receptor ligands with significant selectivity for D over D receptors. *Bioorganic and Medicinal Chemistry*, **2017**, 25, 38-52	3.4	10
310	Total Synthesis of Isodaphlongamine H: A Possible Biogenetic Conundrum. *Angewandte Chemie*, **2016**, 128, 2623-2627	3.6	10
309	Strategies toward the Total Synthesis of Calyciphylline B-type Alkaloids: A Computational Perspective Aided by DFT Analysis. *Journal of Organic Chemistry*, **2016**, 81, 5074-86	4.2	10
308	Solution and Solid-Phase Stereocontrolled Synthesis of 1,2-cis-Glycopyranosides with Minimally Protected Glycopyranosyl Donors Catalyzed by BF3-N,N-Dimethylformamide Complex. *Organic Letters*, **2016**, 18, 3106-9	6.2	7
307	Design, synthesis, and duplex-stabilizing properties of conformationally constrained tricyclic analogues of LNA. *Organic and Biomolecular Chemistry*, **2016**, 14, 2034-40	3.9	12
306	Synthesis of a Model Tetracyclic Core Structure of Calyciphylline B-Type Alkaloids. *Journal of Organic Chemistry*, **2016**, 81, 2182-8	4.2	10
305	Azacyclic FTY720 Analogues That Limit Nutrient Transporter Expression but Lack S1P Receptor Activity and Negative Chronotropic Effects Offer a Novel and Effective Strategy to Kill Cancer Cells in Vivo. *ACS Chemical Biology*, **2016**, 11, 409-14	4.9	26
304	Structural hybridization of three aminoglycoside antibiotics yields a potent broad-spectrum bactericide that eludes bacterial resistance enzymes. *MedChemComm*, **2016**, 7, 170-176	5	14
303	Targeting cancer metabolism by simultaneously disrupting parallel nutrient access pathways. *Journal of Clinical Investigation*, **2016**, 126, 4088-4102	15.9	45
302	Stereocontrolled Synthesis of Phenolic -d-Glycopyranosides. *Synthesis*, **2016**, 48, 3575-3588	2.9	4

301	Synthetic Strategies toward Natural Products Containing Contiguous Stereogenic Quaternary Carbon Atoms. *Angewandte Chemie - International Edition*, **2016**, 55, 4156-86	16.4	198
300	Total Synthesis of Isodaphlongamine H: A Possible Biogenetic Conundrum. *Angewandte Chemie - International Edition*, **2016**, 55, 2577-81	16.4	50
299	Strategien f□ die Synthese von Naturstoffen mit benachbarten stereogenen quart□en Kohlenstoffatomen. *Angewandte Chemie*, **2016**, 128, 4226-4258	3.6	61
298	Academic-Industrial Collaboration: Toward the Consilience of Two Solitudes. *ACS Medicinal Chemistry Letters*, **2016**, 7, 6-9	4.3	7
297	Synthesis and biological evaluation of sialyl-oligonucleotide conjugates targeting leukocyte B trans-membranal receptor CD22 as delivery agents for nucleic acid drugs. *Bioorganic and Medicinal Chemistry*, **2016**, 24, 2397-409	3.4	4
296	Effects of stereochemistry, saturation, and hydrocarbon chain length on the ability of synthetic constrained azacyclic sphingolipids to trigger nutrient transporter down-regulation, vacuolation, and cell death. *Bioorganic and Medicinal Chemistry*, **2016**, 24, 4390-4397	3.4	11
295	Proximity- and Chelation-Induced SNAr 1,4-Aromatic ortho-Substitution of ortho-Methoxyphenyl 2-Alkyl Ketones. *Synthesis*, **2015**, 47, 1091-1100	2.9	4
294	On the Importance of the Relative Stereochemistry of Substituents in the Formation of Nine-Membered Lactones by Ring-Closing Metathesis. *Synthesis*, **2015**, 47, 1317-1324	2.9	3
293	Cyclic enaminones. Part I: stereocontrolled synthesis using diastereoselective and catalytic asymmetric methods. *Chemical Communications*, **2015**, 51, 16437-49	5.8	43
292	Cyclic enaminones. Part II: applications as versatile intermediates in alkaloid synthesis. *Chemical Communications*, **2015**, 51, 16450-67	5.8	59
291	Structural Properties and Stereochemically Distinct Folding Preferences of 4,5-cis and trans-Methano-L-Proline Oligomers: The Shortest Crystalline PPII-Type Helical Proline-Derived Tetramer. *Angewandte Chemie - International Edition*, **2015**, 54, 13268-72	16.4	15
290	Structural Properties and Stereochemically Distinct Folding Preferences of 4,5-cis and trans-Methano-L-Proline Oligomers: The Shortest Crystalline PPII-Type Helical Proline-Derived Tetramer. *Angewandte Chemie*, **2015**, 127, 13466-13470	3.6	3
289	Proline Methanologues: Design, Synthesis, Structural Properties, and Applications in Medicinal Chemistry. *Topics in Heterocyclic Chemistry*, **2015**, 51-95	0.2	1
288	Synthesis of Functionalized Octahydroindoles Related to Daphnyphyllum Alkaloids. *Synlett*, **2014**, 25, 799-804	2.2	6
287	A Short History of the Discovery and Development of Naltrexone and Other Morphine Derivatives. *Methods and Principles in Medicinal Chemistry*, **2014**, 225-250	0.4	5
286	Lincosamide Antibacterials. *Methods and Principles in Medicinal Chemistry*, **2014**, 251-270	0.4	1
285	Platensimycin and Platencin. *Methods and Principles in Medicinal Chemistry*, **2014**, 271-300	0.4	2
284	From Natural Product to New Diabetes Therapy: Phlorizin and the Discovery of SGLT2 Inhibitor Clinical Candidates. *Methods and Principles in Medicinal Chemistry*, **2014**, 301-332	0.4	

283	Macrolides and Antifungals via Biotransformation. *Methods and Principles in Medicinal Chemistry*, **2014**, 365-402	0.4	
282	Aeruginosins as Thrombin Inhibitors. *Methods and Principles in Medicinal Chemistry*, **2014**, 333-364	0.4	
281	Camptothecin and Analogs. *Methods and Principles in Medicinal Chemistry*, **2014**, 181-224	0.4	0
280	Hybrid Natural Products. *Methods and Principles in Medicinal Chemistry*, **2014**, 441-472	0.4	3
279	Rethinking the Role of Natural Products: Function-Oriented Synthesis, Bryostatin, and Bryologs. *Methods and Principles in Medicinal Chemistry*, **2014**, 473-544	0.4	8
278	Cyclopamine and Congeners. *Methods and Principles in Medicinal Chemistry*, **2014**, 545-564	0.4	2
277	Hybrids, Congeners, Mimics, and Constrained Variants Spanning 30 Years of Natural Products Chemistry: A Personal Retrospective. *Methods and Principles in Medicinal Chemistry*, **2014**, 565-610	0.4	
276	Stereocontrolled synthesis of all-syn 3,4-disubstituted l-prolines: studies of the reductive rearrangement of unactivated tertiary allylic alcohols. *Tetrahedron*, **2014**, 70, 439-449	2.4	1
275	Iminium ion-enamine cascade cyclizations: facile access to structurally diverse azacyclic compounds and natural products. *Organic Letters*, **2014**, 16, 232-5	6.2	20
274	Alternative syntheses of (S)-cEt-BNA: a key constrained nucleoside component of bioactive antisense gapmer sequences. *Journal of Organic Chemistry*, **2014**, 79, 11651-60	4.2	8
273	Synthesis of 4?-deoxy-4?-fluoro neamine and 4?-deoxy-4?-fluoro 4?-epi neamine. *MedChemComm*, **2014**, 5, 1166-1171	5	6
272	Conception and evolution of stereocontrolled strategies toward functionalized 8-aryloctanoic acids related to the total synthesis of aliskiren. *Journal of Organic Chemistry*, **2014**, 79, 9531-45	4.2	9
271	Toxicity modulation, resistance enzyme evasion, and A-site X-ray structure of broad-spectrum antibacterial neomycin analogs. *ACS Chemical Biology*, **2014**, 9, 2067-73	4.9	20
270	Design, Synthesis, and Optimization of Balanced Dual NK1/NK3 Receptor Antagonists. *ACS Medicinal Chemistry Letters*, **2014**, 5, 550-5	4.3	12
269	Unnatural Nucleoside Analogs for Antisense Therapy. *Methods and Principles in Medicinal Chemistry*, **2014**, 403-440	0.4	8
268	Natural Product-Derived and Natural Product-Inspired Compound Collections. *Methods and Principles in Medicinal Chemistry*, **2014**, 43-80	0.4	5
267	Natural Products as Drugs and Leads to Drugs: An Introduction and Perspective as of the End of 2012. *Methods and Principles in Medicinal Chemistry*, **2014**, 1-42	0.4	2
266	Taxol, Taxoids, and Related Taxanes. *Methods and Principles in Medicinal Chemistry*, **2014**, 127-180	0.4	2

265	Chemistry and Biology of Epothilones. *Methods and Principles in Medicinal Chemistry*, **2014**, 81-126	0.4	1
264	Application and Scope of Schreiber's Gold(I)-Catalyzed Pyrone Synthesis to Ring A Aromatic Podolactones. *European Journal of Organic Chemistry*, **2014**, 2014, 5664-5669	3.2	8
263	Application of cyclic phosphonamide reagents in the total synthesis of natural products and biologically active molecules. *Beilstein Journal of Organic Chemistry*, **2014**, 10, 1848-77	2.5	9
262	Design and synthesis of potential dual NK(1)/NK(3) receptor antagonists. *Bioorganic and Medicinal Chemistry Letters*, **2014**, 24, 510-4	2.9	5
261	Concise and stereocontrolled synthesis of the tetracyclic core of daphniglaucin C. *Organic Letters*, **2013**, 15, 4134-7	6.2	23
260	Studies toward the generation of functionalized quaternary carbon centers relying on Wittig and Wittig-Still allylic ether anionic transpositions. *Journal of Organic Chemistry*, **2013**, 78, 8915-21	4.2	9
259	A constrained tricyclic nucleic acid analogue of L-LNA: investigating the effects of dual conformational restriction on duplex thermal stability. *Journal of Organic Chemistry*, **2013**, 78, 9064-75	4.2	18
258	Synthesis of cis- and trans--[4.3.0]bicyclo-DNA monomers for antisense technology: methods for the diastereoselective formation of bicyclic nucleosides. *Journal of Organic Chemistry*, **2013**, 78, 9051-63	4.2	11
257	Design, Synthesis, and Anti-leukemic Activity of Stereochemically Defined Constrained Analogs of FTY720 (Gilenya). *ACS Medicinal Chemistry Letters*, **2013**, 4,	4.3	20
256	Crystal structure of a bioactive pactamycin analog bound to the 30S ribosomal subunit. *Journal of Molecular Biology*, **2013**, 425, 3907-10	6.5	19
255	Crystal structures of a bioactive 6'-hydroxy variant of sisomicin bound to the bacterial and protozoal ribosomal decoding sites. *ChemMedChem*, **2013**, 8, 733-9	3.7	13
254	Enantioselective synthesis of 3-substituted tryptamines as core components of central nervous system drugs and indole natural products. *Canadian Journal of Chemistry*, **2013**, 91, 13-20	0.9	7
253	Probing functional diversity in pactamycin toward antibiotic, antitumor, and antiprotozoal activity. *Bioorganic and Medicinal Chemistry*, **2013**, 21, 1775-86	3.4	29
252	Total synthesis of pactamycin and pactamycate: a detailed account. *Journal of Organic Chemistry*, **2012**, 77, 9458-72	4.2	46
251	Structural and kinetic study of self-assembling macrocyclic dimer natural product aminoglycoside66-40C and unnatural variants. *Chemical Science*, **2012**, 3, 249-256	9.4	5
250	Structure-Based Design of a Highly Constrained Nucleic Acid Analogue: Improved Duplex Stabilization by Restricting Sugar Pucker and Torsion Angle *Angewandte Chemie*, **2012**, 124, 11404-11407	3.6	6
249	Structure-based design of a highly constrained nucleic acid analogue: improved duplex stabilization by restricting sugar pucker and torsion angle *Angewandte Chemie - International Edition*, **2012**, 51, 11242-5	16.4	27
248	A new approach to the synthesis of peptidomimetic renin inhibitors: palladium-catalyzed asymmetric allylation of acyclic alkyl aryl ketones. *Organic Letters*, **2012**, 14, 3222-5	6.2	20

247	The enterprise of synthesis: from concept to practice. *Journal of Organic Chemistry*, **2012**, 77, 6657-88	4.2	23
246	Hybrid aminoglycoside antibiotics via Tsuji palladium-catalyzed allylic deoxygenation. *Organic Letters*, **2011**, 13, 6476-9	6.2	19
245	Toward Overcoming Staphylococcus aureus Aminoglycoside Resistance Mechanisms with a Functionally Designed Neomycin Analogue. *ACS Medicinal Chemistry Letters*, **2011**, 2, 924-8	4.3	17
244	Total synthesis of (+)-ent-cyclizidine: absolute configurational confirmation of antibiotic M146791. *Organic Letters*, **2011**, 13, 1048-51	6.2	19
243	Lewis-acid catalyzed formation of dihydropyrans. *Tetrahedron*, **2011**, 67, 9870-9884	2.4	23
242	Applications of organocatalytic asymmetric synthesis to drug prototypes--dual action and selective inhibitors of n-nitric oxide synthase with activity against the 5-HT1D/1B subreceptors. *Organic Letters*, **2011**, 13, 840-3	6.2	23
241	Inhibition of aminoglycoside-deactivating enzymes APH(3')-IIIa and AAC(6')-Ii by amphiphilic paromomycin O2''-ether analogues. *ChemMedChem*, **2011**, 6, 1961-6	3.7	28
240	Inside Cover: Inhibition of Aminoglycoside-Deactivating Enzymes APH(3?)-IIIa and AAC(6?)-Ii by Amphiphilic Paromomycin O2??-Ether Analogues (ChemMedChem 11/2011). *ChemMedChem*, **2011**, 6, 1942-1942	3.7	
239	Total Synthesis of Pactamycin. *Angewandte Chemie*, **2011**, 123, 3559-3562	3.6	8
238	Titelbild: Total Synthesis of Pactamycin (Angew. Chem. 15/2011). *Angewandte Chemie*, **2011**, 123, 3383-3383	3.6	
237	Total synthesis of pactamycin. *Angewandte Chemie - International Edition*, **2011**, 50, 3497-500	16.4	72
236	Cover Picture: Total Synthesis of Pactamycin (Angew. Chem. Int. Ed. 15/2011). *Angewandte Chemie - International Edition*, **2011**, 50, 3325-3325	16.4	
235	An Organocatalytic Approach to Enantiopure 2,6-Disubstituted Tetrahydropyranols. *Synlett*, **2010**, 2010, 761-764	2.2	7
234	Robust polymeric nanoparticles for the delivery of aminoglycoside antibiotics using carboxymethyldextran-b-poly(ethyleneglycols) lightly grafted with n-dodecyl groups. *Soft Matter*, **2010**, 6, 4504	3.6	16
233	Proximity-assisted cycloaddition reactions of α-azido cyanohydrin ethers: Synthesis of diversely functionalized bicyclic tetrazoles. *Pure and Applied Chemistry*, **2010**, 82, 1761-1771	2.1	4
232	Total synthesis of "aliskiren": the first Renin inhibitor in clinical practice for hypertension. *Organic Letters*, **2010**, 12, 1816-9	6.2	32
231	Vorinostat-like molecules as structural, stereochemical, and pharmacological tools. *ACS Medicinal Chemistry Letters*, **2010**, 1, 70-4	4.3	14
230	Non-natural macrocyclic inhibitors of histone deacetylases: design, synthesis, and activity. *Journal of Medicinal Chemistry*, **2010**, 53, 8387-99	8.3	52

229	Total synthesis of jerangolid A. *Organic Letters*, **2010**, 12, 3172-5	6.2	45
228	Biomimetic synthesis and structural refinement of the macrocyclic dimer aminoglycoside 66-40C--the remarkably selective self-condensation of a putative aldehyde intermediate in the submerged culture medium producing sisomicin. *Chemical Communications*, **2010**, 46, 2013-5	5.8	8
227	Substrate-controlled and organocatalytic asymmetric synthesis of carbocyclic amino acid dipeptide mimetics. *Journal of Organic Chemistry*, **2010**, 75, 2861-76	4.2	21
226	Total synthesis of (+)-ambruticin S: probing the pharmacophoric subunit. *Journal of Organic Chemistry*, **2010**, 75, 5601-18	4.2	47
225	Novel Synthetic Approaches to Monocyclic β-Lactam Antibiotics. *Bulletin Des Sociétés Chimiques Belges*, **2010**, 93, 571-578		11
224	Structure-based design and synthesis of novel P2/P3 modified, non-peptidic beta-secretase (BACE-1) inhibitors. *Bioorganic and Medicinal Chemistry Letters*, **2010**, 20, 1924-7	2.9	23
223	Structure-based design, synthesis and A-site rRNA co-crystal complexes of novel amphiphilic aminoglycoside antibiotics with new binding modes: a synergistic hydrophobic effect against resistant bacteria. *Bioorganic and Medicinal Chemistry Letters*, **2010**, 20, 7097-101	2.9	40
222	Design and synthesis of macrocyclic indoles targeting blood coagulation cascade Factor XIa. *Bioorganic and Medicinal Chemistry Letters*, **2010**, 20, 6925-8	2.9	19
221	Applications of the N-tert-Butylsulfonyl (Bus) Protecting Group in Amino Acid and Peptide Chemistry. *Synlett*, **2009**, 2009, 2803-2808	2.2	8
220	Structure-based synthesis: From natural products to drug prototypes. *Pure and Applied Chemistry*, **2009**, 81, 1085-1091	2.1	4
219	Surface-functionalized ultrasmall superparamagnetic nanoparticles as magnetic delivery vectors for camptothecin. *ChemMedChem*, **2009**, 4, 988-97	3.7	34
218	Exploring the unique reactivities of heterobicyclic tetrazoles□access to functionally diverse and versatile heterocyclic scaffolds. *Tetrahedron*, **2009**, 65, 6656-6669	2.4	8
217	From natural products to achiral drug prototypes: potent thrombin inhibitors based on P2/P3 dihydropyrid-2-one core motifs. *Bioorganic and Medicinal Chemistry Letters*, **2009**, 19, 5429-32	2.9	10
216	Total synthesis of oidiodendrolides and related norditerpene dilactones from a common precursor: metabolites CJ-14,445, LL-Z1271gamma, oidiolactones A, B, C, and D, and nagilactone F. *Organic Letters*, **2009**, 11, 4640-3	6.2	32
215	Total synthesis and structural revision of the presumed aeruginosins 205A and B. *Organic Letters*, **2009**, 11, 4232-5	6.2	23
214	Synthesis and comparative antibacterial activity of verdamicin C2 and C2a. A new oxidation of primary allylic azides in dihydro[2H]pyrans. *Organic Letters*, **2009**, 11, 429-32	6.2	20
213	Alternative and expedient asymmetric syntheses of L-(+)-noviose. *Organic Letters*, **2008**, 10, 261-4	6.2	19
212	Proximity-assisted cycloaddition reactions--facile Lewis acid-mediated synthesis of diversely functionalized bicyclic tetrazoles. *Organic Letters*, **2008**, 10, 1381-4	6.2	19

211	Self-assembly of noncyclic bis-D- and L-tripeptides into higher order tubular constructs: design, synthesis, and X-ray crystal superstructure. *Journal of Organic Chemistry*, **2008**, 73, 1181-91	4.2	10
210	The practice of ring constraint in peptidomimetics using bicyclic and polycyclic amino acids. *Accounts of Chemical Research*, **2008**, 41, 1241-51	24.3	93
209	Chemistry and biology of the aeruginosin family of serine protease inhibitors. *Angewandte Chemie - International Edition*, **2008**, 47, 1202-23	16.4	144
208	Cover Picture: Chemistry and Biology of the Aeruginosin Family of Serine Protease Inhibitors (Angew. Chem. Int. Ed. 7/2008). *Angewandte Chemie - International Edition*, **2008**, 47, 1153-1153	16.4	1
207	Aeruginosine: Chemie und Biologie der Serinprotease-Inhibitoren. *Angewandte Chemie*, **2008**, 120, 1220-1242	3.6	28
206	Titelbild: Aeruginosine: Chemie und Biologie der Serinprotease-Inhibitoren (Angew. Chem. 7/2008). *Angewandte Chemie*, **2008**, 120, 1169-1169	3.6	
205	Synthesis of chemically functionalized superparamagnetic nanoparticles as delivery vectors for chemotherapeutic drugs. *Bioorganic and Medicinal Chemistry*, **2008**, 16, 2921-31	3.4	45
204	Targeting ACE and ECE with dual acting inhibitors. *Bioorganic and Medicinal Chemistry Letters*, **2008**, 18, 1058-62	2.9	3
203	Design, synthesis, and thrombin-inhibitory activity of pyridin-2-ones as P2/P3 core motifs. *Bioorganic and Medicinal Chemistry Letters*, **2008**, 18, 1972-6	2.9	24
202	Structure-based design, synthesis, and A-site rRNA cocrystal complexes of functionally novel aminoglycoside antibiotics: C2" ether analogues of paromomycin. *Journal of Medicinal Chemistry*, **2007**, 50, 2352-69	8.3	51
201	Antibacterial Aminoglycosides with a Modified Mode of Binding to the Ribosomal-RNA Decoding Site. *Angewandte Chemie - International Edition*, **2007**, 46, 2971-2971	16.4	1
200	Antibacterial Aminoglycosides with a Modified Mode of Binding to the Ribosomal-RNA Decoding Site. *Angewandte Chemie*, **2007**, 119, 3029-3029	3.6	
199	Crystal structure of the bacterial ribosomal decoding site complexed with a synthetic doubly functionalized paromomycin derivative: a new specific binding mode to an a-minor motif enhances in vitro antibacterial activity. *ChemMedChem*, **2007**, 2, 1631-8	3.7	35
198	Probing the ribosomal RNA A-site with functionally diverse analogues of paromomycin□synthesis of ring I mimetics. *Tetrahedron*, **2007**, 63, 827-846	2.4	7
197	6-hydroxy to 6'''-amino tethered ring-to-ring macrocyclic aminoglycosides as probes for APH(3')-IIIa kinase. *Bioorganic and Medicinal Chemistry Letters*, **2007**, 17, 3221-5	2.9	14
196	Omega-alkoxy analogues of SAHA (vorinostat) as inhibitors of HDAC: a study of chain-length and stereochemical dependence. *Bioorganic and Medicinal Chemistry Letters*, **2007**, 17, 6261-5	2.9	26
195	Structure-based organic synthesis of unnatural aeruginosin hybrids as potent inhibitors of thrombin. *Bioorganic and Medicinal Chemistry Letters*, **2007**, 17, 3480-5	2.9	29
194	Constrained azacyclic analogues of the immunomodulatory agent FTY720 as molecular probes for sphingosine 1-phosphate receptors. *Bioorganic and Medicinal Chemistry Letters*, **2007**, 17, 491-4	2.9	35

193	Total Synthesis and Stereochemical Confirmation of 2,5-Diaryl-3,4-dimethyltetrahydrofuran Lignans: (+)-Fragransin A2, (+)-Galbelgin, (+)-Talaumidin, (-)-Saucernetin and (-)-Verrucosin. *Synlett*, **2007**, 2007, 0475-0479	2.2	18
192	Ring-modified analogues and molecular dynamics studies to probe the requirements for fungicidal activities of malayamycin A and its N-nucleoside variants. *Journal of Organic Chemistry*, **2007**, 72, 6353-63	4.2	20
191	Phenolic P2/P3 core motif as thrombin inhibitors--design, synthesis, and X-ray co-crystal structure. *Bioorganic and Medicinal Chemistry Letters*, **2006**, 16, 1032-6	2.9	15
190	Structure-based organic synthesis of drug prototypes: a personal odyssey. *ChemMedChem*, **2006**, 1, 1301-30	3.7	40
189	Diastereoselective [3,2]-Stevens and Sommelet-Hauser Rearrangements in the Dihydromethanodibenzoazocine Series. *Synthesis*, **2006**, 2006, 723-734	2.9	18
188	The Iterative Synthesis of Acyclic Deoxypropionate Units and Their Implication in Polyketide-Derived Natural Products. *Synthesis*, **2006**, 2006, 1057-1076	2.9	74
187	Design and synthesis of diversely substituted azacyclic inhibitors of endothelin converting enzyme. *Journal of Organic Chemistry*, **2006**, 71, 2760-78	4.2	18
186	Structure-based organic synthesis of a tricyclic N-malayamycin analogue. *Journal of Organic Chemistry*, **2006**, 71, 9807-17	4.2	12
185	Structure-based design and synthesis of macroheterocyclic peptidomimetic inhibitors of the aspartic protease beta-site amyloid precursor protein cleaving enzyme (BACE). *Journal of Medicinal Chemistry*, **2006**, 49, 4544-67	8.3	56
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