Stephen Hanessian

List of Publications by Citations

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	Design and synthesis of conformationally constrained amino acids as versatile scaffolds and peptide mimetics. *Tetrahedron*, **1997**, 53, 12789-12854	2.4	504
335	trans-1,2-Diaminocyclohexane Derivatives as Chiral Reagents, Scaffolds, and Ligands for Catalysis: Applications in Asymmetric Synthesis and Molecular Recognition. *Chemical Reviews*, **1997**, 97, 3161-3196	68.1	347
334	Catalytic asymmetric conjugate addition of nitroalkanes to cycloalkenones. *Organic Letters*, **2000**, 2, 2975-8	5.8	282
333	Chemistry of the glycosidic linkage. An efficient synthesis of 1,2-trans-di-saccharides. *Carbohydrate Research*, **1977**, 53, C13-C16	2.9	258
332	Design of Secondary Structures in Unnatural Peptides: Stable Helical Tetra-, Hexa-, and Octapeptides and Consequences of Substitution. *Journal of the American Chemical Society*, **1998**, 120, 8569-8570	16.4	248
331	Synthesis of naturally occurring C-nucleosides, their analogs, and functionalized C-glycosyl precursors. *Advances in Carbohydrate Chemistry and Biochemistry*, **1976**, 33, 111-88	3.7	208
330	Synthetic Strategies toward Natural Products Containing Contiguous Stereogenic Quaternary Carbon Atoms. *Angewandte Chemie - International Edition*, **2016**, 55, 4156-86	16.4	198
329	Chemistry and biology of the aeruginosin family of serine protease inhibitors. *Angewandte Chemie - International Edition*, **2008**, 47, 1202-23	16.4	144
328	Stereocontrolled glycosyl transfer reactions with unprotected glycosyl donors. *Chemical Reviews*, **2000**, 100, 4443-64	68.1	137
327	Synthesis of (4S)-hydroxymethyl-(2R)-(2-propyl)-butyrolactone: A quest for a practical route to an important hydroxyethylene isostere chiron. *Tetrahedron*, **1997**, 53, 6281-6294	2.4	135
326	Chemistry of the glycosidic linkage. Exceptionally fast and efficient formation of glycosides by remote activation. *Carbohydrate Research*, **1980**, 80, C17-C22	2.9	135
325	Design and reactivity of topologically unique, chiral phosphonamides. Remarkable diastereofacial selectivity in asymmetric olefination and alkylation. *Journal of the American Chemical Society*, **1984**, 106, 5754-5756	16.4	131
324	The reaction of O-benzylidene sugars with N-bromosuccinimide. *Carbohydrate Research*, **1966**, 2, 86-88	2.9	129
323	The total synthesis of (+)-ionomycin. *Journal of the American Chemical Society*, **1990**, 112, 5276-5290	16.4	115
322	The N-acyloxyiminium ion aza-Prins route to octahydroindoles: total synthesis and structural confirmation of the antithrombotic marine natural product oscillarin. *Journal of the American Chemical Society*, **2004**, 126, 6064-71	16.4	112
321	Efficient allyl to propenyl isomerization in functionally diverse compounds with a thermally modified Grubbs second-generation catalyst. *Organic Letters*, **2006**, 8, 5481-4	6.2	108
320	Mild cleavage of methoxymethyl (MOM) ethers with trimethylsilyl bromide. *Tetrahedron Letters*, **1984**, 25, 2515-2518	2	102

319	Recent Progress in the Chemistry of Daphniphyllum Alkaloids *Chemical Reviews*, **2017**, 117, 4104-4146	68.1	96
318	Molecular Recognition and Self-Assembly by Weak Hydrogen Bonding: Unprecedented Supramolecular Helicate Structures from Diamine/Diol Motifs. *Journal of the American Chemical Society*, **1994**, 116, 4495-4496	16.4	94
317	The practice of ring constraint in peptidomimetics using bicyclic and polycyclic amino acids. *Accounts of Chemical Research*, **2008**, 41, 1241-51	24.3	93
316	Synthesis of functionally diverse bicyclic sulfonamides as constrained proline analogues and application to the design of potential thrombin inhibitors. *Tetrahedron*, **2003**, 59, 7047-7056	2.4	88
315	Asymmetric synthesis of enantiomerically pure and diversely functionalized cyclopropanes.. *Journal of the American Chemical Society*, **1995**, 117, 10393-10394	16.4	87
314	Synthesis of (+)-avermectin B1a. *Journal of the American Chemical Society*, **1986**, 108, 2776-2778	16.4	87
313	Docking of aminoglycosides to hydrated and flexible RNA. *Journal of Medicinal Chemistry*, **2006**, 49, 1023-33	5.3	80
312	Total synthesis and structural confirmation of the marine natural product Dysinosin A: a novel inhibitor of thrombin and Factor VIIa. *Journal of the American Chemical Society*, **2002**, 124, 13342-3	16.4	80
311	Antibacterial aminoglycosides with a modified mode of binding to the ribosomal-RNA decoding site. *Angewandte Chemie - International Edition*, **2004**, 43, 6735-8	16.4	78
310	Total synthesis of A-315675: a potent inhibitor of influenza neuraminidase. *Journal of the American Chemical Society*, **2002**, 124, 4716-21	16.4	77
309	A stereospecifie, total synthesis of thromboxane B2. *Canadian Journal of Chemistry*, **1977**, 55, 562-565	0.9	77
308	Application of conformation design in acyclic stereoselection: total synthesis of borrelidin as the crystalline benzene solvate. *Journal of the American Chemical Society*, **2003**, 125, 13784-92	16.4	75
307	Total synthesis of (-)-tetrahydrolipstatin. *Journal of Organic Chemistry*, **1993**, 58, 7768-7781	4.2	75
306	The Iterative Synthesis of Acyclic Deoxypropionate Units and Their Implication in Polyketide-Derived Natural Products. *Synthesis*, **2006**, 2006, 1057-1076	2.9	74
305	Total synthesis of pactamycin. *Angewandte Chemie - International Edition*, **2011**, 50, 3497-500	16.4	72
304	Structure-based design, synthesis, and memapsin 2 (BACE) inhibitory activity of carbocyclic and heterocyclic peptidomimetics. *Journal of Medicinal Chemistry*, **2005**, 48, 5175-90	8.3	70
303	Total synthesis of biologically important amino sugars via thenitroaldol reaction. *Tetrahedron Letters*, **1985**, 26, 1261-1264	2	70
302	Stereoselective Synthesis of (−)-Kainic Acid and (+)-Allokainic Acid via Trimethylstannyl-Mediated Radical Carbocyclization and Oxidative Destannylation. *Journal of Organic Chemistry*, **1996**, 61, 5418-5424	4.2	68

301	The asymmetric synthesis of allylglycine and other unnatural □-amino acids via zinc-mediated allylation of oximes in aqueous media. *Tetrahedron Letters*, **1996**, 37, 5273-5276	2	67
300	On the Stereochemical Divergence in the Conjugate Addition of Lithium Dimethylcuprate/Trimethylsilyl Chloride to □-Alkoxy and □-Ureido □,□-Unsaturated Esters. *Synthesis* , **1991**, 1991, 1083-1089	2.9	67
299	Optimization of the catalytic asymmetric addition of nitroalkanes to cyclic enones with trans-4,5-methano-L-proline. *Organic Letters*, **2006**, 8, 4787-90	6.2	66
298	Total synthesis of bafilomycin A(1) relying on iterative 1,2-induction in acyclic precursors. *Journal of the American Chemical Society*, **2001**, 123, 10200-6	16.4	65
297	Isolation and characterization of antigenic components of a new heptavalent Pseudomonas vaccine. *Nature: New Biology*, **1971**, 229, 209-10		62
296	Asymmetric conjugate additions of chiral allyl- and crotylphosphonamide anions to .alpha.,.beta.-unsaturated carbonyl compounds: highly stereocontrolled access to vicinally substituted carbon centers and chemically asymmetrized chirons. *Journal of Organic Chemistry*,	4.2	61
295	Expedient assembly of carbocyclic, heterocyclic, and polycyclic compounds by trimethylstannyl radical mediated carbocyclizations of dienes and trienes: a novel oxidative cleavage of the carbon-tin bond. *Journal of the American Chemical Society*, **1992**, 114, 3115-3117	16.4	61
294	Strategien für die Synthese von Naturstoffen mit benachbarten stereogenen quartären Kohlenstoffatomen. *Angewandte Chemie*, **2016**, 128, 4226-4258	3.6	61
293	Cyclic enaminones. Part II: applications as versatile intermediates in alkaloid synthesis. *Chemical Communications*, **2015**, 51, 16450-67	5.8	59
292	A versatile protocol for the stereocontrolled elaboration of vicinal secondary and tertiary centers of relevance to natural product synthesis. *Journal of Organic Chemistry*, **1987**, 52, 1170-1172	4.2	59
291	A new synthetic strategy for the penems. Total synthesis of (5R,6S,8R)-6-(.alpha.-hydroxyethyl)-2-(hydroxymethyl)penem-3-carboxylic acid. *Journal of the American Chemical Society*, **1985**, 107, 1438-1439	16.4	59
290	1,3-Asymmetric induction in dianionic allylation reactions of amino acid derivatives-synthesis of functionally useful enantiopure glutamates, pipecolates and pyroglutamates. *Tetrahedron Letters*, **1998**, 39, 5887-5890	2	57
289	Total synthesis and structural confirmation of chlorodysinosin A. *Journal of the American Chemical Society*, **2006**, 128, 10491-5	16.4	57
288	A method for induced-fit docking, scoring, and ranking of flexible ligands. Application to peptidic and pseudopeptidic beta-secretase (BACE 1) inhibitors. *Journal of Medicinal Chemistry*, **2006**, 49, 5885-94	8.3	57
287	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
286	Catalysis of the Hajos□Parrish□der□Sauer□Wiechert Reaction by cis- and trans-4,5-Methanoprolines: Sensitivity of Proline Catalysis to Pyrrolidine Ring Conformation. *Advanced Synthesis and Catalysis*, **2004**, 346, 1111-1115	5.6	54
285	Synthesis of diversely functionalized indolizidinones and related bicyclic lactams using intramolecular Grubbs olefin metathesis and Dieckmann condensation. *Journal of Organic Chemistry*, **2003**, 68, 7219-33	4.2	54
284	Non-natural macrocyclic inhibitors of histone deacetylases: design, synthesis, and activity. *Journal of Medicinal Chemistry*, **2010**, 53, 8387-99	8.3	52

283	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
282	Design and synthesis of matrix metalloproteinase inhibitors guided by molecular modeling. Picking the S(1) pocket using conformationally constrained inhibitors. *Journal of Medicinal Chemistry*, **2001**, 44, 3074-82	8.3	50
281	Studies in asymmetric olefinations □the synthesis of enantiomerically pure allylidene, alkylidene, and benzylidene cyclohexanes. *Tetrahedron Letters*, **1992**, 33, 7655-7658	2	50
280	A novel ring-closure strategy for the carbapenems: the total synthesis of (+)-thienamycin. *Journal of Organic Chemistry*, **1990**, 55, 3098-3103	4.2	50
279	Total Synthesis of Isodaphlongamine H: A Possible Biogenetic Conundrum. *Angewandte Chemie - International Edition*, **2016**, 55, 2577-81	16.4	50
278	Total synthesis and stereochemical confirmation of manassantin A, B, and B1. *Organic Letters*, **2006**, 8, 5477-80	6.2	49
277	A novel synthetic route to the hexahydrobenzofuran subunit of the avermectins and milbemycins. *Tetrahedron Letters*, **1986**, 27, 5071-5074	2	48
276	Total synthesis of (+)-ambruticin S: probing the pharmacophoric subunit. *Journal of Organic Chemistry*, **2010**, 75, 5601-18	4.2	47
275	The Synthesis of Enantiopure □Methanoprolines and □Methanopipecolic Acids by a Novel Cyclopropanation Reaction: The □lattering□of Proline. *Angewandte Chemie International Edition in English*, **1997**, 36, 1881-1884		47
274	Electrophilic Amination and Azidation of Chiral □Alkyl Phosphonamides: Asymmetric Syntheses of □Amino □Alkyl Phosphonic Acids□ *Synthesis*, **1994**, 1994, 1272-1274	2.9	47
273	Total synthesis of pactamycin and pactamycate: a detailed account. *Journal of Organic Chemistry*, **2012**, 77, 9458-72	4.2	46
272	Targeting thrombin and factor VIIa: design, synthesis, and inhibitory activity of functionally relevant indolizidinones. *Bioorganic and Medicinal Chemistry Letters*, **2002**, 12, 2907-11	2.9	46
271	Total synthesis and structural confirmation of malayamycin A: a novel bicyclic C-nucleoside from Streptomyces malaysiensis. *Organic Letters*, **2003**, 5, 4277-80	6.2	46
270	Generation of functional diversity via nitroaldol condensations of □aminoacid aldehydes □A new and stereocontrolled route to acyclic 1,3-diamino-2-alcohols. *Tetrahedron Letters*, **1996**, 37, 987-990	2	46
269	A tactically novel alternative to acyclic stereoselection based on the concept of a replicating chiron □1,3- and 1,4-C-Methyl substitution. *Tetrahedron Letters*, **1985**, 26, 5627-5630	2	46
268	Total synthesis of jerangolid A. *Organic Letters*, **2010**, 12, 3172-5	6.2	45
267	Total Synthesis of (-)-Reserpine Using the Chiron Approach. *Journal of Organic Chemistry*, **1997**, 62, 465-473	4.3	45
266	Synthesis of chemically functionalized superparamagnetic nanoparticles as delivery vectors for chemotherapeutic drugs. *Bioorganic and Medicinal Chemistry*, **2008**, 16, 2921-31	3.4	45

265	Targeting cancer metabolism by simultaneously disrupting parallel nutrient access pathways. *Journal of Clinical Investigation*, **2016**, 126, 4088-4102	15.9	45
264	Tobramycin analogues with C-5 aminoalkyl ether chains intended to mimic rings III and IV of paromomycin. *Tetrahedron*, **2003**, 59, 983-993	2.4	44
263	N-Aryl sulfonyl homocysteine hydroxamate inhibitors of matrix metalloproteinases: further probing of the S(1), S(1)', and S(2)' pockets. *Journal of Medicinal Chemistry*, **2001**, 44, 3066-73	8.3	44
262	A versatile synthesis of a □turn peptidomimetic scaffold: An approach towards a designed model antagonist of the tachykinin NK-2 receptor. *Bioorganic and Medicinal Chemistry Letters*, **1996**, 6, 1567-1572	2.9	44
261	Synthetic studies on the mevinic acids using the chiron approach: total synthesis of (+)-dihydromevinolin. *Journal of Organic Chemistry*, **1990**, 55, 5766-5777	4.2	44
260	Cyclic enaminones. Part I: stereocontrolled synthesis using diastereoselective and catalytic asymmetric methods. *Chemical Communications*, **2015**, 51, 16437-49	5.8	43
259	The synthesis of enantiomerically pure, symmetrically substituted cyclopropane phosphonic acids □A constrained analog of the GABA antagonist phaclophen. *Tetrahedron Letters*, **1997**, 38, 1103-1106	2	43
258	Synthesis of glycophostones: cyclic phosphonate analogues of biologically relevant sugars. *Journal of Organic Chemistry*, **2000**, 65, 2667-74	4.2	43
257	A Novel Asymmetric Synthesis of □and □Amino Aryl Phosphonic Acids. *Synlett*, **1993**, 1993, 35-36	2.2	43
256	Stereocontrolled Access to all-trans□Substituted Pyrrolidinones and Pyrrolidines of High Optical Purity from D-Pyroglutamic Acid. *Synlett*, **1990**, 1990, 501-503	2.2	43
255	Synthesis of a Bromine-Rich Marine Antibiotic. *Journal of the American Chemical Society*, **1966**, 88, 4509-4510	15.4	43
254	Total synthesis of N-malayamycin A and related bicyclic purine and pyrimidine nucleosides. *Journal of Organic Chemistry*, **2005**, 70, 6721-34	4.2	42
253	Exploring the chiral space within the active site of alpha-thrombin with a constrained mimic of D-Phe-Pro-Arg--design, synthesis, inhibitory activity, and X-ray structure of an enzyme-inhibitor complex. *Bioorganic and Medicinal Chemistry Letters*, **2000**, 10, 243-7	2.9	42
252	Supramolecular Chirons Based on Enantiodifferentiating Self-Assembly between Amines and Alcohols (Supraminols). *Chemistry - A European Journal*, **1999**, 5, 2169-2183	4.8	42
251	Stereocontrolled Total Synthesis of an Annonacin A-Type Acetogenin: Pseudoannonacin A?□ *Journal of Organic Chemistry*, **1998**, 63, 1049-1057	4.2	41
250	Stereocontrolled functionalization in acyclic systems by exploiting internal 1,2-asymmetric induction □generation of polypropionate and related motifs. *Tetrahedron Letters*, **1996**, 37, 7473-7476	2	41
249	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
248	A General and Stereocontrolled Strategy for the Iterative Assembly of Enantiopure Polypropionate Subunits: Synthesis of the C19□28 Segment of Rifamycin S from a Single Chiron. *Journal of the American Chemical Society*, **1997**, 119, 10034-10041	16.4	40

247	Structure-based organic synthesis of drug prototypes: a personal odyssey. *ChemMedChem*, **2006**, 1, 1301-30	3.7	40
246	Studies on the deconjugation-epimerization strategy en route to avermectin B1a. Problems and solutions. *Journal of the American Chemical Society*, **1987**, 109, 7063-7067	16.4	39
245	Asymmetric conjugate additions of chiral phosphonamide anions to alpha,beta-unsaturated carbonyl compounds. A versatile method for vicinally substituted chirons. *Journal of Organic Chemistry*, **2000**, 65, 5623-31	4.2	38
244	Synthesis of 6-amino-6-deoxy- , -trehalose: a positional isomer of trehalosamine. *Journal of Antibiotics*, **1972**, 25, 683-4	3.7	38
243	One-Step, Stereocontrolled Synthesis of Glycosyl 1-Phosphates, Uridine-5□diphosphogalactose, and Uridine-5□diphosphoglucose from Unprotected Glycosyl Donors. *Journal of the American Chemical Society*, **1998**, 120, 13296-13300	16.4	37
242	Synthesis of Hydroxamic Esters via Alkoxyaminocarbonylation of □Dicarbonyl Compounds. *Journal of Organic Chemistry*, **1999**, 64, 5896-5903	4.2	37
241	An Enzyme-Bound Bisubstrate Hybrid Inhibitor of Adenylosuccinate Synthetase. *Angewandte Chemie - International Edition*, **1999**, 38, 3159-3162	16.4	37
240	Synthesis of (+)-spectinomycin. *Journal of the American Chemical Society*, **1979**, 101, 5839-5841	16.4	37
239	Stereoselective synthesis of constrained azacyclic hydroxyethylene isosteres as aspartic protease inhibitors: dipolar cycloaddition and related methodologies toward branched pyrrolidine and pyrrolidinone carboxylic acids. *Journal of Organic Chemistry*, **2005**, 70, 6746-56	4.2	36
238	The power of visual imagery in drug design. Isopavines as a new class of morphinomimetics and their human opioid receptor binding activity. *Journal of Medicinal Chemistry*, **2003**, 46, 34-48	8.3	36
237	Design, modeling and synthesis of functionalized paromamine analogs. *Tetrahedron*, **2001**, 57, 3255-3265	2.4	36
236	The power of visual imagery in synthesis planning. Stereocontrolled approaches to CGP-60536B, a potent renin inhibitor. *Journal of Organic Chemistry*, **2002**, 67, 4261-74	4.2	36
235	A Highly Stereoselective and Practical Total Synthesis of the Tricyclic □Lactam Antibiotic GV104326 (4-Methoxytrinem). *Journal of the American Chemical Society*, **1996**, 118, 9884-9891	16.4	36
234	Stereocontrolled sequential functionalization in acyclic systems by exploiting internal 1,2-asymmetric induction □generation of symmetry-related polyamino alcohol motifs. *Tetrahedron Letters*, **1996**, 37, 7477-7480	2	36
233	Novel methods for the preparation of partially acetylated carbohydrates. *Carbohydrate Research*, **1990**, 202, 67-79	2.9	36
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231	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
230	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

229	Synthetic studies in the intramolecular carbocyclization of N-acyloxyiminium ions. Stereoelectronic and steric implications of nucleophilic alkene, alkyne, and allene tethers. *Journal of Organic Chemistry*, **2005**, 70, 5070-85	4.2	35
228	Stereocontrolled access to the octosyl acids - total synthesis of octosyl acid A. *Journal of the American Chemical Society*, **1986**, 108, 2758-2759	16.4	35
227	Surface-functionalized ultrasmall superparamagnetic nanoparticles as magnetic delivery vectors for camptothecin. *ChemMedChem*, **2009**, 4, 988-97	3.7	34
226	Probing the importance of spacial and conformational domains in captopril analogs for angiotensin converting enzyme activity. *Bioorganic and Medicinal Chemistry Letters*, **1998**, 8, 2123-8	2.9	34
225	Asymmetric synthesis of L-azetidine-2-carboxylic acid and 3-substituted congeners--conformationally constrained analogs of phenylalanine, naphthylalanine, and leucine. *Bioorganic and Medicinal Chemistry Letters*, **1999**, 9, 1437-42	2.9	34
224	Picking the S1, S1' and S2' pockets of matrix metalloproteinases. A niche for potent acyclic sulfonamide inhibitors. *Bioorganic and Medicinal Chemistry Letters*, **1999**, 9, 1691-6	2.9	34
223	"Quantamycin" - a computer-simulated new-generation inhibitor of bacterial ribosomal binding. *Journal of the American Chemical Society*, **1984**, 106, 6114-6115	16.4	34
222	Total stereospecific synthesis of (+) azimic and (+) carpamic acids from D-glucose. *Tetrahedron Letters*, **1979**, 20, 3391-3394	2	33
221	Total synthesis of "aliskiren": the first Renin inhibitor in clinical practice for hypertension. *Organic Letters*, **2010**, 12, 1816-9	6.2	32
220	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
219	Total synthesis of tricyclic ╫lactams. *Tetrahedron*, **1999**, 55, 3427-3443	2.4	32
218	Assembly of the carbon skeletal framework of erythronolide A. *Canadian Journal of Chemistry*, **1978**, 56, 1843-1846	0.9	31
217	Design and synthesis of a prototypical non-peptidic inhibitor model for the enzme renin. *Bioorganic and Medicinal Chemistry Letters*, **1994**, 4, 1697-1702	2.9	30
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215	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
214	Total synthesis and structural confirmation of (+)-longicin. *Organic Letters*, **2005**, 7, 3989-92	6.2	29
213	Probing the "additive effect" in the proline and proline hydroxamic acid catalyzed asymmetric addition of nitroalkanes to cyclic enones. *Chirality*, **2005**, 17, 540-3	2.1	29
212	Aminoglycoside antibiotics - a method for selective n-acylation based on the temporary protection of amino alcohol functions as copper chelates. *Tetrahedron Letters*, **1978**, 19, 1035-1038	2	29

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210	Aeruginosine: Chemie und Biologie der Serinprotease-Inhibitoren. *Angewandte Chemie*, **2008**, 120, 1220-1242	3.6	28
209	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
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207	Synthesis of 3 10-helix-inducing constrained analogues of L-proline. *Journal of Organic Chemistry*, **2004**, 69, 4891-9	4.2	27
206	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
205	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
204	Highly Diastereoselective Intramolecular [1,2]-Stevens Rearrangements-Asymmetric Syntheses of Functionalized Isopavines as Morphinomimetics. *Angewandte Chemie - International Edition*, **2001**, 40, 3810-3813	16.4	26
203	A comparative docking study and the design of potentially selective MMP inhibitors. *Journal of Computer-Aided Molecular Design*, **2001**, 15, 873-81	4.2	26
202	The synthesis of enantiomerically pure disubstituted aziridines and N-alkoxy aziridines. *Tetrahedron Letters*, **2000**, 41, 787-790	2	26
201	Highly stereocontrolled sequential asymmetric Michael addition reactions with cinnamate esters - generation of three and four contiguous stereogenic centers on seven-carbon acyclic motifs. *Tetrahedron Letters*, **1994**, 35, 7509-7512	2	26
200	Total synthesis of the cytotoxic cyclodepsipeptide (-)-doliculide: the "ester" effect in acyclic 1,3-induction of deoxypropionates. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 11996-2001	11.5	25
199	Tandem functionalization of nonactivated alkenes and alkynes in intramolecular N-acyloxyiminium ion carbocyclization. Synthesis of 6-substituted hydroindole 2-carboxylic acids. *Organic Letters*, **2004**, 6, 4683-6	6.2	25
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197	Design and synthesis of a novel class of constrained tricyclic pyrrolizidinone carboxylic acids as carbapenem mimics. *Journal of Organic Chemistry*, **2002**, 67, 3387-97	4.2	25
196	Design and Reactivity of Organic Functional Groups 2-Pyridylsulfonates as Nucleofugal Esters: Remarkably Mild Transformations into HAlides and Olefins. *Heterocycles*, **1989**, 28, 1115	0.8	25
195	Total synthesis of (+)-thromboxane B2 from D-glucose. A detailed account. *Canadian Journal of Chemistry*, **1981**, 59, 870-877	0.9	25
194	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

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192	The stereocontrolled synthesis of enantiopure □-methano heterocycles and constrained amino acid analogs. *Tetrahedron Letters*, **1996**, 37, 8967-8970	2	24
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